

## HARPER STATE #005 BATTERY CLOSURE/DEFERRAL REQUEST

API NO. 30-015-30831 CLOSEST WELL TO FACILITY IS HARPER STATE #001 U/L – P, SECTION 16, TOWNSHIP 17S, RANGE 30E EDDY COUNTY, NEW MEXICO RELEASE DATE: 11/25/2020 INCIDENT NO. NRM2034254162

April 14, 2021

**PREPARED BY:** 



April 14, 2021

New Mexico Energy, Minerals & Natural Resources NMOCD District I C/O Mike Bratcher, Robert Hamlet & Christina Eads 811 S. First Street Artesia, NM 88210

Spur Energy Partners C/O Braidy Moulder 920 Memorial City Way, Suite 1000 Houston, TX 77024

Subject: Closure/Deferral Request for Spur Energy – Harper State #005 Battery

API No. 30-015-30831 (Closest Well to Facility – Harper State #001) Incident ID: NRM2034254162 U/L P, Section 16, Township 17S, Range 30E Eddy County, New Mexico

To Whom it May Concern:

Spur Energy Partners retained Energy Staffing Services, LLC (ESS) to conduct a spill assessment for the Harper State #005 Battery (hereafter referred to as the "Harper State") for the produced water release that occurred on November 15, 2020. Spur Energy provided the immediate notification of the release to the New Mexico Oil Conservation Division (NMOCD) District 1 and II office, via email on November 25, 2020 at 12:07 PM (notification attached). On behalf of Spur Energy Partners, ESS submitted the initial C141 Release Notification (attached) on November 26, 2020. The NMOCD Incident ID Number assigned to this release is NRM2034254162.

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

### **Incident Description**

On November 25, 2020 at approximately 12PM, a release was found and had occurred due to the filter pot on the water pump had failed. Approximately 17bbls of produced water was released into the unlined containment. A vacuum truck was dispatched out to the Harper State and recovered approximately 15bbls of standing fluid. No fluid was released onto the pad, pasture or waterway.

#### **Site Characterization**

The release at the Harper State occurred on state owned land and is located at 32.8285027, -103.9695053, .72 miles northwest of Loco Hills, New Mexico. The legal description for the site is Unit Letter P, Section 16, Township 17S, Range 30E, in Eddy County, New Mexico. A site schematic is included in this report.

The Harper State consists of oil and gas production equipment and is contained in an unlined containment, by a nearby oil and gas exploration well and on a production well-pad. The elevation is 3,683 ft. This area historically, has been dominated by perennial forbs, dropseed, little bluestem, shrubs, bush muhly, cane bluestem and Harvard's oak. (Please see the Rangeland and Vegetation Classification information attached).

The United States Department of Agriculture Natural Resources Conservation Services indicates that the soil type found in the area consists of Berino Complex, with 0 to 3 percent slopes and is eroded. Please also find the Soil Map attached.

There is a "low potential" for Karst Geology to be present near the Harper State according to the *United States Department of the Interior, Bureau of Land Management.* Please find the Karst Map attached herein.

No surface water is located on the Harper State site. There are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes or other critical or community features at the Harper State, as outlined in *Paragraph (4) of Subsection C of 19.15.29.12 NMAC*.

The nearest recent water well to the site according to the *New Mexico Office of the State Engineer* is RA 11914 POD1, which is located 1810' from the site and was drilled in 2013, with groundwater of 80'bgs. The next closest well to the site is RA 11590 POD4, located 7693' from the site and was drilled in 2010 with no measured groundwater depth. Please find the groundwater data and map from the NMOSE wells attached herein. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that there is a groundwater well within ½ a mile from the release area from the Harper State refer to RA 11826 with POD1, POD2 and POD3, but no groundwater information was available. RA 11826 is permitted for COG Operating in 2013. Please find documentation attached.

#### **Closure Criteria Determination**

The Closure Criteria for Soils Impacted by a Release is shown below, based on groundwater depth of 80'bgs, with no water data located within ½ a mile from the release point, being on state land, and in a low karst area, the site would fall under the 51-100'dgw category. The other wells found on the OSE Website, show to be downgradient and side-gradient of the site but fall outside the ½ mile radius. With the well showing inside the ½ mile of the release point does not show any groundwater recorded depths, the site was classified under the 51-100'dgw category. Please see the chart below:

DGW	Constituent	Method	Limit
51'-100'	Chloride	EPA 300.0 OR SM4500 CLB	10,000 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	2,500 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	1,000 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	50 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

### **Soil Remediation Action Levels**

ESS has provided sufficient data that this produced water release has impacted the soil at the Harper State and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018.

The guidance document provides direction for Spur Energy's initial response actions, site assessment, sampling procedures conducted by ESS Staff, we would like to present to you the following information concerning the delineation process for the release detailed herein.

### **Soil Sampling Procedures**

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

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

The following lab analysis method was used for each bottom hole and side wall sample submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

• Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes Nonhalogenated Organics by EPA 8015D – GRO

• Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

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

Anions by EPA 300.0/9056A

Chloride

### **Release Investigation Data Evaluation**

On November 25, 2020 ESS was dispatched out to the Harper State to complete a site assessment. Initial photos were taken of the release which was contained inside an unlined facility. On December 14, 2020 begin the delineation of the site. A total of 18 sample points were placed in the impacted area of the facility. Each sample point was hand augured until with the samples met regulatory levels or refusal was reached. At this time the samples were field tested for chlorides by use of a titration kit in 1' intervals and TPH was tested by use of a PID Meter. Each bottom hole and sidewall sample was jarred and delivered to Envirotech Laboratories for confirmation.

The samples confirmed with laboratory analysis on the delineation sampling procedure were well below the closure criteria for this site. With that being said, the depth of these samples cannot be remediated to said levels due to production equipment, lines and electrical equipment in the area of impact. Laboratory analyses included Method 300/9056A for chlorides, Method 8021B for Volatile Organics (BTEX) and Method 8015D for TPH which included extended GRO, DRO and ORO. Confirmatory sample analytical data is summarized in the below chart as well as attached to this report and are found below:

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	3280							
	7'	2720							
	8'	1280							
	9'	3000							
	10'	2860		ND	ND	ND	ND	ND	2880
SP2	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	>4000							
	8'	>4000							
	9'	1600							
	10'	2800							

	11'	2080							
	12'	2000		ND	ND	ND	ND	ND	2080
SP3	SURFACE	>4000							
	1'	3200							
	2'	560							
	3'	560							
	4'	720							
	5'	480							
	6'	480							
	7'	560							
	8'	480							
	9'	640							
	10'	720							
	11'	700							
	12'	700		ND	ND	ND	ND	ND	687
	÷								
SP4	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	2560							
	6'	2160							
	7'	1080							
	8'	800							
	9'	560							
	10'	560		ND	ND	ND	ND	ND	300
	÷								
SP5	SURFACE	>4000							
	1'	2640							
	2'	960							
	3'	560							
	4'	800							
	5'	560							
	6'	480		ND	ND	ND	ND	ND	55
SP6	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	1840							
	4'	1440							
	5'	1760							
	6'	1840							
	7'	1760							
	8'	1120							

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	-		r	1		T		r	1
	9'	800							
	10'	4000							
	11'	1040							
	12'	800		ND	ND	ND	ND	ND	728
	T	T	r	T	T	T	T	T	T
SP7	SURFACE	>4000							
	1'	2080							
	2'	640							
	3'	720							
	4'	560							
	5'	560		ND	ND	ND	ND	ND	249
	1	T	1	T	T	T	T	T	T
SP8	SURFACE	>4000							
	1'	1760							
	2'	960							
	3'	1760							
	4'	3520							
	5'	4000							
	6'	1840							
	7'	720							
	8'	600							
	9'	600		ND	ND	ND	ND	ND	614
	I			•	1	1	1	1	
SP9	SURFACE	>4000							
	1'	400							
	2'	30		ND	ND	ND	ND	ND	20.8
	1				1	1	1	1	
SP10	SURFACE	560							
	1'	240							
	2'	240							
	3'	20		ND	ND	ND	ND	ND	27.2
	0.10-1-0-5								
SP11	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	800						ļ	
	8'	1040							
	9'	480							
	10'	480		ND	ND	ND	ND	ND	167
SP12	SURFACE	>4000	[			[			1

1'

>4000

	2'	>4000							
	3'	1360							
	4'	400							
	5'	60		ND	ND	ND	ND	ND	52.
SP13	SURFACE	2240							
51 15	1'	640							
	2'	400							
	3	ND		ND	ND	ND	ND	ND	ND
SP14	SURFACE	>4000	1						[
0	1'	960							
	2'	1120							
	3'	1600							
	4'	960							
	5'	720							
	6'	480							
	7'	480		ND	ND	ND	ND	ND	395
SP15	SURFACE	800	1						[
0.10	1'	240							
	2'	40		ND	ND	ND	ND	ND	28.
	-								
SP16	SURFACE	3200							
0. 10	1'	400							
	2'	180		ND	ND	ND	ND	ND	158
	1				1				
SP17	SURFACE	800							
	1'	400							
	2'	30		ND	ND	ND	ND	ND	20.
	-	<u> </u>	I		<u> </u>	<b>.</b>	<b>.</b>	<b>.</b>	•
SP18	SURFACE	>4000							
	1'	960							
	2'	880							
	3'	880							
	4'	1200							1
	5'	1120							1
	6'	2000							
	7'	1280							
	8'	1760							1
	9'	1120							
	10'	2320							
	11'	960							
	12'	2000		ND	ND	ND	ND	ND	178

**Released to Imaging: 8/11/2021 9:36:29 AM** 

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A Geo 700 Series Trimble, a global positioning system (GPS) was used to map the approximate center of each sample point that was obtained. Please refer to the Sample Map with GPS, that is attached herein.

Due to the infrastructure in and around the release area, 6" to 1'bgs was excavated inside the unlined facility area by use of hand shovel. 24 cubic yards of material was hauled to Lea Landfill for disposal. 24 cubic yards of clean imported soil from Lea Landfill was hauled into the site and was used as backfill material and was stockpiled on location.

At this time composite samples were taken inside the 1,594 sq. ft., a total of 8 composite samples were obtained and field tested. These eight composite samples were sent in for final confirmation analysis. Each composite sample had elevated analysis for DRO/ORO and chlorides. The delineation sidewall samples were used in this case due to the excavation to the sidewall sample point destinations. Due to the infrastructure further excavation could not be completed at this time. Further excavation would cause the production equipment and lines to be compromised. Please find the sample data below for the confirmation samples. The sample data, lab analysis and composite sample map is attached.

SP ID	Depth	Titr	PID	L- BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
COMP1	1'BGS	>4000		ND	ND	503	680	1183	35200
COMP2	1'BGS	>4000		ND	ND	5240	3000	8240	33300
COMP3	1'BGS	>4000		ND	ND	<b>5990</b>	3880	<b>9870</b>	20200
COMP4	1'BGS	>4000		ND	ND	1760	1350	3110	13800
COMP5	1'BGS	3600		ND	ND	2320	2080	4400	29700
COMP6	1'BGS	>4000		ND	ND	9070	6660	15730	32800
COMP7	1'BGS	>4000		ND	ND	3800	2660	<b>6460</b>	17100
COMP8	1'BGS	>4000		ND	ND	983	925	1908	18100

#### **Closure/Deferral Request**

ESS recommends that this site be deferred until the production equipment has been removed to safely remediate this site. ESS requests that this incident (NRM2034254162) be closed with a deferral for this release that occurred inside an unlined production facility. Spur Energy Partners and Energy Staffing Services certifies that all of the information provided and that is detailed in this report, is correct and we have complied with all applicable closure requirements for the release that occurred on the Harper State #005 Battery.

After review of this report if you have any questions or concerns, please do not hesitate to contact the undersigned at 575-390-6397 or <u>natalie@energystaffingllc.com</u>.

Sincerely,

## Natalíe Gladden

Director of Environmental and Regulatory Services Energy Staffing Services, LLC.

#7 Compress Rd Artesia, NM 88210 Cell: 575-390-6397 Email: <u>natalie@energystaffingllc.com</u>



Attachments: **Initial Email Notification** Initial C141 Form Site Map **Rangeland and Vegetation Classification** Soil Map and Soil Data Karst Map Groundwater Data and Groundwater Map **OSE GW Map Initial Site Photos** Delineation and Composite Sample Data and Sample GPS Map **Delineation Photos Composite Sample Map** Lab Analysis **Final Site Photos** Final C141 Form

### natalie@energystaffingllc.com

From:	Kenny Kidd <kkidd@spurepllc.com></kkidd@spurepllc.com>
Sent:	Wednesday, November 25, 2020 11:07 AM
То:	Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD
Cc:	Todd Mucha; Seth Ireland; Jerry Mathews; Braidy Moulder; Sarah Chapman; Susan Lopez; natalie@energystaffingllc.com
Subject:	RE: HARPER STATE #005 filter pot leak

## Correction

The location of this spill is the HARPER STATE #005 Tank Battery.

The closest well to this battery is the Harper State #001 (not the Harper State #005.)

## HARPER STATE #001

Sec. P-16-17S-30E 430 FSL 330 FEL

Lat/Long: 32.8285027,-103.9695053 NAD83

## API 30-015-30831

Thanks,

Kenny Kidd Assistant Production Superintendent Office 575-616-5400 Cell 575-703-5851 kkidd@spurepllc.com



### From: Kenny Kidd

Sent: Wednesday, November 25, 2020 9:48 AM

To: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Hamlet, Robert, EMNRD
 <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
 Cc: Todd Mucha <Todd@spurepllc.com>; Seth Ireland <Seth@spurepllc.com>; Jerry Mathews
 <jmathews@spurepllc.com>; Braidy Moulder <bmoulder@spurepllc.com>; Sarah Chapman

<schapman@spurepllc.com>; Susan Lopez <slopez@spurepllc.com>; natalie@energystaffingllc.com Subject: HARPER STATE #005 filter pot leak

## HARPER STATE #005 Battery

November 24, 2020, at around 4:30 P.M. We had a leak on the filter pot going to our water pump. Releasing 17-bbls water inside the Battery dike. (Un-Lined Containment) 15-bbls- recovered.

We will have ESS Environmental Company coming out to evaluate this. And the C-141 and filing any paper work on this spill.

If you have any question please give me a call.

## HARPER STATE #005

Sec. K-16-17S-30E 2260 FSL 2310 FWL Lat/Long: 32.8335495,-103.9780884 NAD83 API 30-015-34571

Thanks, Kenny Kidd Assistant Production Superintendent Office 575-616-5400 Cell 575-390-9254

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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

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Incident ID	NRM2034254162
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

Responsible Party SPUR ENERGY PARTNERS	OGRID 328947	
Contact Name BRAIDY MOULDER	Contact Telephone 713-264-2517	
Contact email BMOULDER@SPUREPLLC.COM	Incident # (assigned by OCD)	
Contact mailing address 919 MILAM STREET SUITE 247 HOUSTON, TEXAS 77002	'5	

## Location of Release Source

Latitude 32.8285027\_

Longitude -103.9695053\_\_\_\_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name HARPER STATE #005 BATTERY	Site Type PRODUCTION FACILITY
Date Release Discovered 11/25/2020	API# (if applicable) 30-015-30831 (CLOSEST WELL TO FACILITY, HARPER STATE #001)

Unit Letter	Section	Township	Range	County	
Р	16	175	30E	LEA	

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_

## Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 17BBLS	Volume Recovered (bbls) 15BBLS
	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 LEAK WAS FOUND ON THE FILTER POT GOING TO THE WATER PUMP. THE FLUID WAS RELEASED INTO AN UNLINED FACILITY. A VACUUM TRUCK WAS IMMEDIATELY DISPATCHED TO RECOVER THE STANDING FLUID.

rm C-141	State of New Merrice		Page 14		
_	State of New Mexico	Incident ID	NRM2034254162		
ge 2	Oil Conservation Division	District RP			
		Facility ID			
		Application ID			
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible p	arty consider this a major releas	e?		
🗌 Yes 🖾 No					
	notice given to the OCD? By whom? To whom? W D THE NMOCD AT 11:07 AM ON NOVEMBER		e, email, etc)?		
	Initial Respon	se			
The responsible	party must undertake the following actions immediately unless t	hey could create a safety hazard that we	ould result in injury		
$\square$ The source of the rel	ease has been stopped.				
—	as been secured to protect human health and the env	ironment.			
	ave been contained via the use of berms or dikes, at		ent devices		
	ave been contained via the use of berns of dikes, at	sorbent pads, or other containing	ient devices.		
·	ecoverable materials have been removed and managed above have <u>not</u> been undertaken, explain why:	ged appropriately.			
Fer 19.15.29.8 B. (4) NM has begun, please attach within a lined containment I hereby certify that the infor regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of		ion immediately after discovery have been successfully complet tach all information needed for hy knowledge and understand that p and perform corrective actions for s not relieve the operator of liability undwater, surface water, human he	ed or if the release occurred closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have alth or the environment. In		
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## Received by OCD: 4/15/2021 12:53:09 PM SPUR ENERGY PARINERS

HARPER STATE #005 BATTERY SITE MAP

Legend

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HARPER STATE #005 BATTERY

HARPER STATE #005 BATTERY

## Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation, the ecological site, plant association, or habitat type; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An ecological site, plant association, or habitat type is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site, plant association, or habitat type is typified by an association of species that differs from that of other ecological sites, plant associations, or habitat types in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS). Descriptions of plant associations or habitat types are available from local U.S. Forest Service offices.

*Total dry-weight production* is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

*Characteristic vegetation* (the grasses, forbs, shrubs, and understory trees that make up most of the potential natural plant community on each soil) is listed by common name. Under *rangeland composition and forest understory*, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The percentages are by dry weight for rangeland. Percentages for forest understory are by either dry weight or canopy cover. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

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Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

#### Reference:

United States Department of Agriculture, Natural Resources Conservation Service, National range and pasture handbook.



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## Report—Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition



#### Rangeland and Forest Vegetation Classification, Productivity, and Plant Composition---Eddy Area, New Mexico

Harper State	#005	Battery
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Page 19 of 168

Map unit symbol and soil	Ecological Site, Plant				Characteristic rangeland	Compositio		
name	Association, or Habitat Type	Favorable year	Normal year	Unfavorable year	or forest understory vegetation	n	Rangeland	Forest understory
		Lb/ac	Lb/ac	Lb/ac		Pct dry wt	Pct dry wt	
BB—Berino complex, 0 to 3 percent slopes, eroded								
Berino	Loamy Sand	1,800	_	650	other perennial grasses	25		
	(R042XC003NM)				black grama	15		
					other perennial forbs	15		-
					dropseed	10		-
					little bluestem	10		-
					other shrubs	10		-
					bush muhly	5		-
					cane bluestem	5		
					Havard's oak	5		-
Pajarito	Loamy Sand	1,800	_	650	black grama	15		
	(R042XC003NM)				other perennial forbs	15		
					dropseed	10		
					little bluestem	10		
					other perennial grasses	10		
					rabo de ardilla	10		
					bush muhly	5		
					cane bluestem	5		
					fall witchgrass	5		
					Havard's oak	5		
					other shrubs	5		
					sand sagebrush	5		

USDA

## **Data Source Information**

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



Received by OCD: 4/15/2021 12:53:09 PM



Released to Imaging: 8/11/2021 9:36:29 AM

Web Soil Survey National Cooperative Soil Survey

4/14/2021 Page 1 of 3



## Map Unit Legend

Map Unit Symbol Map Unit Name		Acres in AOI	Percent of AOI
ВВ	Berino complex, 0 to 3 percent slopes, eroded	3.3	100.0%
Totals for Area of Interest		3.3	100.0%



## SPUR ENERGY PARINERS

HARPER STATE #005 BATTERY KARST: LOW KARST AREA



HARPER STATE #005 BATTERY

Loco Hills Lowington Hww



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## SPUR ENERGY PARINERS

HARPER STATE #005 BATTERY GROUND WATER MAP

### Legend

RA 11590 POD1 - 8045' FROM SITE - NO GW

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HWy 82

31

- RA 11590 POD3 8251' FROM SITE NO GW
- RA 11590 POD4 7693' FROM SITE NO GW
- RA 11826 POD1 -<1/2 MI FROM SITE NO GW</p>
- RA 11914 POD1 1810' FROM SITE 80'DGW

RA 11826 POD1 -<1/2 MI FROM SITE - NO CW. 11807 POD1 - 9166, FROM SITE - 76'DCW. Loco Hills

Bluesten Rei

RA 11590 POD4 - 7693' FROM SITE - NO GW • RA 11590 POD3 - 8251' FROM SITE - NO GW RA 11590 POD1 - 8045' FROM SITE - NO GW

COOGLE EARTH Released to Imaging: 8/11/2021 9:36:29 AM mage Landsat / Copernicus

360

		(quarters are 1=NW)	)		
		(quarters are smalle	est to largest)	(NAD83 UTM in meters)	
Well Tag	POD Number	Q64 Q16 Q4 Se	c Tws Rng	X Y	
	RA 11590 POD1	2 1 3 32	2 17S 31E	603315 3628545 🍚	
Driller Lice	<b>nse:</b> 225	Driller Company: F	ODGERS & C	O., INC.	
Driller Nam	ie:				
Drill Start D	Date: 01/20/2010	Drill Finish Date:	01/26/2010	Plug Date:	
Log File Da	ate: 04/23/2010	PCW Rcv Date:		Source:	
Pump Type	):	Pipe Discharge Size	:	Estimated Yield:	
Casing Size	٥.	Depth Well:	158 feet	Depth Water:	

		(quarters are 1=NW)	E)		
		(quarters are smalle	est to largest)	(NAD83 UTM in meters)	
Well Tag	POD Number	Q64 Q16 Q4 Se	c Tws Rng	ХҮ	
	RA 11590 POD3	3 1 2 32	2 17S 31E	603932 3629260 🌍	
Driller Lice	<b>nse:</b> 225	Driller Company: F	RODGERS & C	O., INC.	
Driller Nam	e:				
Drill Start D	Date: 01/22/2010	Drill Finish Date:	01/22/2010	Plug Date:	
Log File Da	ite: 04/23/2010	PCW Rcv Date:		Source:	
Pump Type	):	Pipe Discharge Size	:	Estimated Yield:	
Casing Size	e:	Depth Well:	60 feet	Depth Water:	

		(quarters are 1=NW	2=NE 3=SW 4=SE	)	
		(quarters are smalle	(NAD83 UTM in met	ers)	
Well Tag	POD Number	Q64 Q16 Q4 Se	c Tws Rng	Х	Y
	RA 11590 POD4	4 1 1 32	2 17S 31E	603308 36292	253 🌍
Driller Lice	<b>nse:</b> 225	Driller Company: F	RODGERS & C	O., INC.	
Driller Nam	ie:				
Drill Start D	Date: 01/21/2010	Drill Finish Date:	01/22/2010	Plug Date:	
Log File Da	ate: 04/23/2010	PCW Rcv Date:		Source:	
Pump Type	):	Pipe Discharge Size	):	Estimated \	/ield:
Casing Size	e:	Depth Well:	55 feet	Depth Wate	r:

		(quarters ar (quarters a				E) (NAD83 UTM in meters	;)
Well Tag	POD Number	Q64 Q16			0 /	,	Y
	RA 11807 POD1	1 2	3	22 175	8 29E	587360 363158	5 🍚
Driller Licer	<b>ise:</b> 1348	Driller Compa	any:	TAYLC	OR WATE	ER WELL SERVICE	
Driller Name	e: TAYLOR, CLIN	TON E.					
Drill Start D	ate: 11/23/2012	Drill Finish D	ate:	11	/26/2012	Plug Date:	
Log File Dat	te: 03/26/2013	PCW Rcv Dat	e:			Source:	Shallow
Pump Type:	:	Pipe Dischar	ge Si	ze:		Estimated Yie	eld: 4 GPM
Casing Size	4.50	Depth Well:		13	1 feet	Depth Water:	76 feet
I.	Water Bearing Strati	fications: T	op E	Bottom	Descrip	otion	
		1	04	128	Other/U	Inknown	
	Casing Per	forations: T	op E	Bottom			
			91	131			

		(quarters are sma	V 2=NE 3=SW 4=SE)	NAD83 UTM in meters)	
Well Tag	POD Number	Q64 Q16 Q4 S	<b>0</b> , (	X Y	
	RA 11914 POD1		-	594801 3632002	9
Driller License: 1682 Driller Company: HUNGRY HORSE, LLC.					
Driller Name:	JOHN NORRIS				
Drill Start Date	e: 03/19/2013	Drill Finish Date:	03/19/2013	Plug Date:	
Log File Date:	04/09/2013	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Siz	e:	Estimated Yiel	d:
Casing Size:		Depth Well:	85 feet	Depth Water:	80 feet

## Publicly Generated Map



## 11/25/2020, 9:26:19 PM

**GIS WATERS PODs** 

- 0 Active
- 0 Pending

OSE District Boundary

SiteBoundaries

Released to Linguistics of the sole responsibility of the user to any associated metadata "as is" without warranty of any kind, including but not limited to its completeness, fitness for a particular use, or accuracy of its content, positional or otherwise. It is the sole responsibility of the user to



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

New Mexico Office of the State Engineer
Water Right Summary

?
get image list

?

WR File Number:	RA 11826	Subbasin: RA	Cross Reference: -	
Primary Purpose:	MON MONITORING	WELL		
Primary Status:	PMT PERMIT			
<b>Total Acres:</b>	0	Subfile: -	Header: -	
<b>Total Diversion:</b>	0	Cause/Case: -		
Agent:	ATKINS ENGINEERIN	G ASSOCIATES, INC		
Contact:	CHRIS CORTEZ			
Owner:	COG OPERATING CO	MPANY C/O CURA EMI	ERGENCY SERVICES	
Contact:	RICK RAILSBACK			
Owner:	COG OPERATING COMPANY C/O CURA EMERGENCY SERVICES			

<b>Documents</b>	on	File
------------------	----	------

			5	Stat	us						From/			
Trn #	Doc	File/Act	1		2	T	'ran	isaction D	esc.		То	Acres	Diversion	Consumptiv
images 504673 A	DM	2012-05-25	PM	Г	APF	R P	LU	GGING P	LAN		Т	0	0	
$\begin{array}{c} \underline{\text{get}}\\ \underline{\text{images}} \end{array} \xrightarrow{504343} \underline{\text{E}} \end{array}$	<u>XPL</u>	2012-05-21	PM	Г	APF	R N	101	NITORINO	B WELLS		Т	0	0	
Current Points of Di	iversi	ion							014 002 1					
				Q					(NAD83 U	JIMI	n meters)			
POD Number		Well Tag	Source	64	Q16	6Q4	Sec	Tws Rng		Х	Y	Other	Location De	sc
<u>RA 11826 POD1</u>				2	4	2	21	17S 30E	5965	55	3632185			
<u>RA 11826 POD2</u>				2	4	2	21	17S 30E	5965	55	3632185			
<u>RA 11826 POD3</u>				2	4	2	21	17S 30E	5965	55	3632185			
Priority Summary														
	Prio	ritv	Status			Acr	es	Diversio	Pod Nu	nber				
		6/2012	PMT					(	) <u>RA 1182</u>	26 PO	<u>D1</u>			
									<u>RA 1182</u>	2 <u>6 PO</u>	<u>D2</u>			
									<u>RA 1182</u>	2 <u>6 PO</u>	<u>D3</u>			
he data is furnished by th	NM	OSE/ISC and	is accort	d h	u the	raa	nia	at with the	avprossed 1	ndara	tanding that	the OSE/I	SC make no w	arrantias avaras

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

11/25/20 9:27 PM

WATER RIGHT SUMMARY

File No.

of the State Ca	NEW MEXICO OFFICE	OF THE STATE ENGI	NEER
		ERMIT TO DRILL A WELL PTIVE USE OF WATER	
<u>taterstato Siream Commission</u>	(check ap	plicable box):	1011
	For fees, see State Engineer w	ebsite: http://www.ose.state.nm.us/	2-314/66 \$5"
Exploratory	De-Wat	ering	Geo-Thermal
Monitoring	Pollution	, n Control And / Or Recovery	
Temporary Request - I	Requested Start Date:	Requested End Date	e:

### 1. APPLICANT(S)

Name: Atkins Engineerin	ng Associates, Inc.	Name: COG Operating (	Name: COG Operating Company C/O CURA Emergency Services			
Contact or Agent:	check here if Agent	Contact or Agent:	check here if Agent			
Chris Cortez		Rick Railsback				
Mailing Address: 2904 W	V 2nd St.	Mailing Address: 6205 C	Mailing Address: 6205 Chapel Hill Boulevard Suite 100			
City: Roswell		<sup>City:</sup> Plano				
State: NM	Zip Code: 88201	State: TX	Zip Code: 75093			
Phone: 🗌 Home [		Phone: 🗌 Home				
Phone (Work): (575) 624	-2420	Phone (Work): (972) 37	8-7340			
E-mail: chris@atkinsen	g.com	E-mail: rick@curaes.co	m			

	FOR OSE INTERNAL USE Application for Permit, Form wr-07, Rev 1/20/11
	File Number: £4-11826 Trn Number: 504343
BOOMERT' REMINED	Trans Description (optional): MONITORING 41ELLS
STATE ENGINEER OFFICE	Sub-Basin:
	PGW/LOG Due Date: 5/31/20/3 PBU Due Date:
1	Page 1 of 3

### Describe the well applicable to this application.

### 2. PROPOSED WELL

NOTE: If more than one (1) well, complete Attachment 1

OSE Well No. (if existing): r	n/a						
Location (Required): Coordinate	location must be	New Mexico Sta	ate Plane (NA	.D 83), UT	M (NAD 83), <u>or</u>	Lat/Long (WGS8	4)
NM State Plane (NAD83) - In feet	NM Central Z	NM West Zone			X (in feet): Y (in feet):		
UTM (NAD83) - In meters	UTM Zone 13 UTM Zone 12				Easting (in met Northing (in me		
Lat/Long (WGS84) - To 1/10 <sup>m</sup> of	Latitude:	32	deg	49	min	24.4	sec
second	Longitude:	-103	deg	58	min	06.5	sec
Land Grant (if applicable): n/a							
Well is on Land Owned by (require	d): BLM						
Other Location Information (comple	ete the below, if a	pplicable):					
PLSS Quarters or Halves: E/2	2	Section: 21	Townshi	<sup>p:</sup> 17S	Range: 30E	County: Eddy	
Lot No: Block No:	Unit/Tra	act:	Subdivisio	о <b>п</b> :			
Hydrographic Survey: Map: Tract:							
Other description relating well to common landmarks, streets, or other:							
Well Information:							
Approximate depth of well (feet): n/	d		Outside Dia	meter of	Well Casing (incl	nes): varies	
Driller Name: Atkins Engineering A	Driller Name: Atkins Engineering Associates, Inc. Driller License Number: 1249						
Additional well descriptions are attached: Yes No If yes, how many							

#### 3. ADDITIONAL STATEMENTS OR EXPLANATIONS

General Site Application Current workplan calls for 3 borings to 6 feet for background levels. Additional borings may be scheduled and will be added to the OSE issued permit.

16:5 0 9	I YAM SIOS
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STATE ENGINEER OFFICE	FOR OSE INTERNAL USE	Application for Permit, Form wr-07
ري مدير	File Number: RA-11826	Trn Number: 504343
• -		Page 2 of 3

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#### SPECIFIC REQUIREMENTS

The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory: include a description of any proposed pump test, if applicable.	Monitoring: include the reason for the monitoring well, and, the duration of the planned monitoring.	<ul> <li>Pollution Control And / Or Recovery:</li> <li>include a plan for pollution</li> <li>control/recovery, that includes the following:</li> <li>a description of the need for the pollution control or recovery operation.</li> <li>the estimated maximum period of time for completion of the operation.</li> <li>the annual diversion amount.</li> <li>the annual consumptive use amount.</li> <li>the maximum amount of water to be diverted and injected for the duration of the operation.</li> <li>the method and place of discharge.</li> <li>the method of measurement of water produced and discharged.</li> <li>the method of measurement of water injected.</li> <li>the method of determining the resulting annual consumptive use of water and depletion from any related stream system.</li> <li>proof of any permit required from the New Mexico Environment Department.</li> <li>an access agreement if the applicant is not the owner of the land on which the</li> </ul>	De-WaterIng: include a description of the proposed dewatering operation, the estimated duration of the operation, the maximum amount of water to be diverted, a description of the need for the dewatering operation, and, a description of how the diverted water will be disposed of.	Geo-Thermal: include a description of the geothermal heat exchange project, the amount of water to be diverted and re- injected for the project, the time frame for constructing the geothermal heat exchange project, and, the duration of the project. preliminary surveys, design data; and additional information shall be included to provide all essential facts relating to the request.
I, We (name of ap	piicau((s)).	ACKNOWLEDGEMENT is Cortez Print Name(s) are true to the best of (my, our) knowledge and t		ch, Cura
Applicant Signatu	re	Action of the state engin	Signature	<u>L</u>
Mexico nor detri	mental to the pub	detriment of any others having existing rights, ar lic welfare and further subject to the <u>attached</u> co	wed denied and is not contrary to the contraining of approval ( <i>pleas</i>	e see attachment).
Witness my hand By: Signature	and seal this _	2 day of <u>May</u> 20 Mc	12, for the State English	gineer, .Y
Title: Wat E Erint 91 J	VW 2102	rurce Technician		· · · · ·
LL, HEW MEXICO NGINEER OFFIC	402MEF 402MEF 402MEF 402MEF 402MEF	FOR OSE INTERNAL USE File Number: RA-11821		Dication for Permit, Form wr-07 504343 Page 3 of 3

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#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

### SPECIFIC CONDITIONS OF APPROVAL

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed twenty (20) cumulative days, and well shall be plugged or capped on or before, unless a permit to use water from this well is acquired from the Office of the State Engineer.
- LOG The Point of Diversion RA 11826 POD1 must be completed and the Well Log filed on or before 05/31/2013.
- LOG The Point of Diversion RA 11826 POD2 must be completed and the Well Log filed on or before 05/31/2013.
- LOG The Point of Diversion RA 11826 POD3 must be completed and the Well Log filed on or before 05/31/2013.

Trn Desc: MONITORING WELLS

File Number: <u>RA 11826</u> Trn Number: <u>504343</u>

page: 1
#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 05/16/2012	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 21 day of May A.D., 2012

Scott A. Verhines, P.E. , State Engineer

By:

Trn Desc: MONITORING WELLS

File Number: <u>RA 11826</u> Trn Number: 504343

page: 2

ł.

#### Locator Tool Report

#### General Information:

Application ID:30 Date: 05-16-2012

Time: 16:42:15

WR File Number: RA Purpose: POINT OF DIVERSION

Applicant First Name: ATKINS ENG. Applicant Last Name: COG OPERATING

> GW Basin: ROSWELL ARTESIAN County: EDDY

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE Land Grant Name: NON GRANT

#### **PLSS Description (New Mexico Principal Meridian):**

NE 1/4 of NE 1/4 of SE 1/4 of NE 1/4 of Section 21, Township 17S, Range 30E.

#### **Coordinate System Details:**

#### **Geographic Coordinates:**

Latitude:	32 Degrees	49 Minutes	24.4 Seconds	N
Longitude:	103 Degrees	58 Minutes	6.5 Seconds	W

#### Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,632,185	E: 596,555
NAD 1983(92) (Survey Feet)	N: 11,916,595	E: 1,957,196
NAD 1927 (Meters)	N: 3,631,982	E: 596,604
NAD 1927 (Survey Feet)	N: 11,915,929	E: 1,957,360

#### State Plane Coordinate System Zone: New Mexico East

NAD 1927 (Survey Feel) N. 003,432 E. 012,233	NAD 1983(92) (Meters)	N: 202,234	E: 199,162
	NAD 1983(92) (Survey Feet)	N: 663,495	E: 653,418
	NAD 1927 (Meters)	N: 202,214	E: 186,611
	NAD 1927 (Survey Feet)	N: 663,432	E: 612,239

RA-11826 PODI-POD3 504343

1

### NEW MEXICO OFFICE OF STATE ENGINEER

## Locator Tool Report





WR File Number: RA	Scale: 1:19,265	
Northing/Easting: UTM83(92) (Me	ter): N: 3,632,185	E: 596,555
Northing/Easting: SPCS83(92) (Fe	eet): N: 663,495	E: 653,418
GW Basin: Roswell Artesian		

Page 2 of 2

Print Date: 05/16/2012 RA-118ZW PODFPOD3 504343

**Released to Imaging: 8/11/2021 9:36:29 AM** 

Scott A. Verhines, P.E. State Engineer



Reswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

#### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 504343 File Nbr: RA 11826

May. 21, 2012

CHRIS CORTEZ ATKINS ENGINEERING ASSOCIATES, INC 2904 WEST SECOND STREET ROSWELL, NM 88201

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 05/31/2013, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 05/31/2013.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

Melinda Spivey (575)622-6521

Enclosure

explore



7)	Inside diameter of innermost casing: varies inches.
8)	Casing material: open borehole or PVC casing
9)	The well was constructed with: X an open-hole production interval, state the open interval:
	a well screen or perforated pipe, state the screened interval(s):
10)	What annular interval surrounding the artesian casing of this well is cement-grouted? n/d
11)	Was the well built with surface casing? $n/d$ If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? $n/d$ If yes, please describe:
12)	Has all pumping equipment and associated piping been removed from the well? <u>yes</u> If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.
<u>V. D</u>	ESCRIPTION OF PLANNED WELL PLUGGING:
pipe, a	If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional ical information, such as geophysical logs, that are necessary to adequately describe the proposal.
1)	Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well: tremie pipe from bottom.
2)	Will well head be cut-off below land surface after plugging? yes
VI. P	LUGGING AND SEALING MATERIALS:
	The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant
1)	For plugging intervals that employ cement grout, complete and attach Table A.
2)	For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
•	

- 3) Theoretical volume of grout required to plug the well to land surface: n/d
- 4) Type of Cement proposed: Baroid Hole Plug/Baroid Quik Grout
- 5) Proposed cement grout mix: <u>n/a</u> gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: \_\_\_\_\_ batch-mixed and delivered to the site

/بار 1711

ZE : E d 91 X XX 2102 mixed on site

ROSWELL, WE WE KICO

Well Plugging Plan Version: April 30, 2007 Page 2 of 5

Grout additives requested, and percent by dry weight relative to cement: \_\_\_\_\_\_ 7)

8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

COG operating produced water spill site general operation. Current scope calls for three borings to 6 feet bgs. these borings will be filled with Baroid Hole plug from Total Depth to land surface.

Future borings that do not reach water will be backfilled to 10 feet bgs (below ground surface)

From 10 feet bgs to land surface will be plugged with Baroid Hole Plug.

Future borings that reach water will be plugged from bottom to land surface using Baroid Quik Grout

If borings reach water and are plugged, plugging records will be submitted.

Any wells landed will have WR-20s submitted, and an updated WD-08 will be submitted before plugging

#### VIII. SIGNATURE:

L Chris Cortez i, <u>Chris Cortez</u>, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the beer of my knowledge and belief.

Signature of Applicant

-<u>//6//2</u> Date

#### **IX. ACTION OF THE STATE ENGINEER:**

This Well Plugging Plan of Operations is:

\_\_\_\_\_ Approved subject to the attached conditions. Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this _	25th day of May, 2012	
2012 WALLE D 3: 32	Scott A. Verhines, P.E., John R. D'Antonio, Jr., State Éngineer	
STATE ENGINEER OFFICE	By: Helinda Spury Water Resource Techni	i'q'an
میں افستیہ	Wal	l Phoaina P

Well Plugging Plan Version: April 30, 2007 Page 3 of 5

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# TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval I – deepest	Interval 2	Interval 3 - most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch- mixed and delivered?			
Grout additive 1 requested			
Additive I percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement ZE E C 91 XVW ZIDZ	1		
ROSWELL, NEW MEXICO			
*** ***			Well Plugging P

# TABLE B - For plugging intervals that will employ approved noñ-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 - most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	0		
Bottom of proposed sealant of grout placement (ft bgl)	6		
Theoretical volume of sealant required per interval (gallons)	10.74 gallons		
Proposed abandonment sealant (manufacturer and trade name)	Baroid Hole Plug		

- 2012 MAX 1 P 3: 33 -



Well Plugging Plan Version: April 30, 2007 Page 5 of 5



STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER District 2 Office, Roswell, NM

Scott A. Verhines, P.E. State Engineer 1900 West Second Street Roswell, New Mexico 88201 (575) 622-6521 FAX: (575) 623-8559

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May 25, 2012

Atkins Engineering Associates, Inc. PO Box 3156 Roswell, NM 88202

ATTN:Chris CortezRE:Well Plugging Plan of Operations for RA-11826COG Operating c/o CURA Emergency Service

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced wells. The proposed method of plugging for the subject well is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted August 31, 2005 by the State Engineer.

Sincerely,

Andy Morley 0 Acting District II Supervisor Water Resource Allocation Program Water Rights Division

Enclosure

cc Santa Fe File



#### HARPER STATE INITIAL SITE PHOTOS







Company Name:		SPUR ENERGY			Location Name:		HARPER ST #005 BATTERY			Release Date:	11/25/2020	
SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes	
SP1	SURFACE	>4000										
	1'	>4000										
	2'	>4000										
	3'	>4000										
	4'	>4000										
	5'	>4000										
	6'	3280										
	7'	2720										
	8'	1280										
	9'	3000										
	10'	2860		ND	ND	ND	ND	ND	2880		HIT REFUSAL	
SP2	SURFACE	>4000										
	1'	>4000										
	2'	>4000										
	3'	>4000										
	4'	>4000										
	5'	>4000										
	6'	>4000										
	7'	>4000										
	8'	>4000										
	9'	1600										
	10'	2800										
	11'	2080										
	12'	2000		ND	ND	ND	ND	ND	2080		HIT REFUSAL	
	T	T		I	T							
SP3	SURFACE	>4000										
	1'	3200										
	2'	560										
	3'	560										
	4'	720										

	7'	560							
	8'	480							
	9'	640							
	10'	720							
	11'	700							
	12'	700	ND	ND	ND	ND	ND	687	HIT REFUSAL
SP4	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	2560							
	6'	2160							
	7'	1080							
	8'	800							
	9'	560							
	10'	560	ND	ND	ND	ND	ND	300	
SP5	SURFACE	>4000							
	1'	2640							
	2'	960							
	3'	560							
	4'	800							
	5'	560							
	6'	480	ND	ND	ND	ND	ND	55	
SP6	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	1840							
	4'	1440							

5'

6'

480

480

	5	1700							
	6'	1840							
	7'	1760							
	8'	1120							
	9'	800							
	10'	4000							
	11'	1040							
	12'	800	ND	ND	ND	ND	ND	728	HIT REFUSAL
								•	•
SP7	SURFACE	>4000							
	1'	2080							
	2'	640							
	3'	720							
	4'	560							
	5'	560	ND	ND	ND	ND	ND	249	
SP8	SURFACE	>4000							
	1'	1760							
	2'	960							
	3'	1760							
	4'	3520							
	5'	4000							
	6'	1840							
	7'	720							
	8'	600							
	9'	600	ND	ND	ND	ND	ND	614	
SP9	SURFACE	>4000							
	1'	400							
	2'	30	ND	ND	ND	ND	ND	20.8	
SP10	SURFACE	560							
	1'	240							
	2'	240							

5'

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1760

	3'	20	ND	ND	ND	ND	ND	27.2	
								<u> </u>	I
SP11	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	>4000							
	4'	>4000							
	5'	>4000							
	6'	>4000							
	7'	800							
	8'	1040							
	9'	480							
	10'	480	ND	ND	ND	ND	ND	167	
SP12	SURFACE	>4000							
	1'	>4000							
	2'	>4000							
	3'	1360							
	4'	400							
	5'	60	ND	ND	ND	ND	ND	52.2	
SP13	SURFACE	2240							
	1'	640							
	2'	400							
	3	ND	ND	ND	ND	ND	ND	ND	
							r	1	
SP14	SURFACE	>4000							
	1'	960							
	2'	1120							
	3'	1600							
	4'	960							
	5'	720							
	6'	480							
	7'	480	ND	ND	ND	ND	ND	395	

SP15	SURFACE	800							
	1'	240							
	2'	40	ND	ND	ND	ND	ND	28.8	
SP16	SURFACE	3200							
	1'	400							
	2'	180	ND	ND	ND	ND	ND	158	
			 	-	-	-	-	-	
SP17	SURFACE	800							
	1'	400							
	2'	30	ND	ND	ND	ND	ND	20.3	
			 		-				
SP18	SURFACE	>4000							
	1'	960							
	2'	880							
	3'	880							
	4'	1200							
	5'	1120							
	6'	2000							
	7'	1280							
	8'	1760							
	9'	1120							
	10'	2320							
	11'	960							
	12'	2000	ND	ND	ND	ND	ND	1780	
								I	
SW1	SURFACE	480							
	1'	480							
	2'	480	ND	ND	ND	ND	ND	285	
SW2	SURFACE	880							
	1'	1200							
	2'	1600							

	21	4500						1	1	
	3'	1520								 
	4'	1600								
	5'	1600								
	6'	480								
	7'	300		ND	ND	ND	ND	ND	233	
SW3	SURFACE	1040								
	1'	960								
	2'	1520								
	3'	1200								
	4'	1200								
	5'	960								
	6'	400						1		
	7	320		ND	ND	ND	ND	ND	299	
		<u>.</u>						•	•	
SW4	SURFACE	560								
	1'	400								
	2'	260		ND	ND	ND	ND	ND	232	
			•					<u>.</u>	<u>.</u>	
SW5	SURFACE	800								
	1'	720								
	2'	800								
	3'	560								
	4'	40		ND	ND	ND	ND	ND	22	
SW6	SURFACE	720								
	1'	480								
	2'	480		ND	ND	52.9	ND	52.9	24	
SW7	SURFACE	800								
	1'	720								
	2'	720								
	3'	800								
	4'	400						<u> </u>		
1		400	1		1			1	1	

	5'	400		ND	ND	ND	ND	ND	28.6		
SW8	SURFACE	400									
	1'	400									
	2'	400		ND	ND	ND	ND	ND	63.7		
					-	-	-	-	-	-	
SW9	SURFACE	400									
	1'	320									
	2'	320		ND	ND	ND	ND	ND	81.7		
			-		-	-	-	-	-	-	
SW10	SURFACE	400									
	1'	400									
	2'	320		ND	ND	837	711	1548	ND		

#### CLOSURE SAMPLES

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
COMP1	1'BGS	>4000		ND	ND	503	680	1183	35200		
COMP2	1'BGS	>4000		ND	ND	5240	3000	8240	33300		
COMP3	1'BGS	>4000		ND	ND	5990	3880	9870	20200		
COMP4	1'BGS	>4000		ND	ND	1760	1350	3110	13800		
COMP5	1'BGS	3600		ND	ND	2320	2080	4400	29700		
COMP6	1'BGS	>4000		ND	ND	9070	6660	15730	32800		
COMP7	1'BGS	>4000		ND	ND	3800	2660	6460	17100		
COMP8	1'BGS	>4000		ND	ND	983	925	1908	18100		

#### Received by OCD: 4/15/2021 12:53:09 PM SPUR ENERGY

HARPER STATE #5 BATTERY DELINEATION MAP

**DELINEATION GPS:** SP1: 32.828868 -103.969054 SP2: 32.828836 -103.969079 SP3: 32.828800 -103.969079 SP4: 32.828771 -103.969075 SP5: 32.828758 -103.969050 SP6: 32.828726 -103.969065 SP7: 32.828712 -103.969033 SP8: 32.828692 -103.969053 SP9: 32.828657 -103.969047 SP10: 32.828660 -103.969007 SP11: 32.828625 -103.969042 SP12: 32.828598 -103.969028 SP13: 32.828598 -103.969004 SP14: 32.828581 -103.969013 SP15: 32.828546 -103.969017 SP16: 32.828528 -103.968997 SP17: 32.828523 -103.969029 SP18: 32.828504 -103.969045

SW1: 32.828876 -103.969044 SW2: 32.828802 -103.969097 SW3: 32.828718 -103.969077 SW4: 32.828644 -103.969060 SW5: 32.828567 -103.969023 SW6: 32.828495 -103.969048 SW7: 32.828530 -103.968986 SW8: 32.828605 -103.968994 SW9: 32.828665 -103.968999 SW10: 32.828764 -103.969030

W10 SP10 ° SW9 SPG SW SPA SP14 SP17

SP18

SR1 SW1

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Earth PcN

40 ft

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## HARPER STATE DELINEATION SITE PHOTOS





#### Received by OCD: 4/15/2021 12:53:09 PM SPUR ENERGY

HARPER STATE #5 BATTERY COMPOSITE SAMPLE MAP

#### COMPOSITE SAMPLE GPS:

COMP1: 32.828843 -103.969082 COMP2: 32.828796 -103.969076 COMP3: 32.828744 -103.969066 COMP4: 32.828689 -103.969053 COMP5: 32.828632 -103.969046 COMP6: 32.828583 -103.969011 COMP7: 32.828542 -103.968999 COMP8: 32.828509 -103.969032

COMPA

OM

COMP8

Earth Po

50 ft

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012062
Job Number:	20046-0001
Received:	12/17/2020

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/22/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported. Date Reported: 12/22/20

Natalie Gladden PO Box 1058 Hobbs, NM 88240



Page 62 of 168

Project Name: Harper State #5 Tank Batt Workorder: E012062 Date Received: 12/17/2020 11:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2020 11:00:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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v		Sample Sum	mary		
Spur PO Box 1058		Project Name: Project Number:	Harper State #5 Tai 20046-0001	nk Batt	Reported:
Hobbs NM, 88240		Project Manager:	Natalie Gladden		12/22/20 11:54
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP4-10'	E012062-01A	Soil	12/15/20	12/17/20	Glass Jar, 4 oz.



	~	······································				
Spur	Project Nam					
PO Box 1058	Project Num	ber: 200	46-0001	Reported:		
Hobbs NM, 88240	Project Man	ager: Nata	alie Gladden			12/22/2020 11:54:57AN
		SP4-10'				
		E012062-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2051031
Benzene	ND	0.0250	1	12/17/20	12/18/20	
Toluene	ND	0.0250	1	12/17/20	12/18/20	
Ethylbenzene	ND	0.0250	1	12/17/20	12/18/20	
o,m-Xylene	ND	0.0500	1	12/17/20	12/18/20	
p-Xylene	ND	0.0250	1	12/17/20	12/18/20	
Fotal Xylenes	ND	0.0250	1	12/17/20	12/18/20	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	12/17/20	12/18/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2051031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/20	12/18/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	12/17/20	12/18/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2051035
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/20	12/18/20	
Dil Range Organics (C28-C35)	ND	50.0	1	12/18/20	12/18/20	
Surrogate: n-Nonane		112 %	50-200	12/18/20	12/18/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: NE		Batch: 2051038
Chloride	300	20.0	1	12/18/20	12/18/20	

# Sample Data

# **QC Summary Data**

Spur		Project Name:	F	Iarper State #5	Tank Batt				Reported:	
PO Box 1058		Project Number:		0046-0001	Tunn Durr				Reported:	
		Project Manager:		Vatalie Gladder				1	2/22/2020 11:54:57AN	
Hobbs NM, 88240		Project Manager:	ľ	vatalle Gladdel	1			1.	2/22/2020 11.34.37AN	
		Volatile Or	rganics	by EPA 802	1 <b>B</b>			Analyst: RKS		
Analyte	D14	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	КГD %	%	Notes	
	6 6	6 6	00	6 6		,,,		,,,	1000	
Blank (2051031-BLK1)			pared: 12/1	17/20 Anal	yzed: 12/18/20					
Benzene	ND	0.0250								
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250								
p,m-Xylene	ND	0.0500								
o-Xylene	ND	0.0250								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130				
LCS (2051031-BS1)					7/20 Anal	yzed: 12/17/20				
Benzene	5.60	0.0250	5.00		112	70-130				
Toluene	5.63	0.0250	5.00		113	70-130				
Ethylbenzene	5.58	0.0250	5.00		112	70-130				
o,m-Xylene	11.3	0.0500	10.0		113	70-130				
p-Xylene	5.65	0.0250	5.00		113	70-130				
Total Xylenes	17.0	0.0250	15.0		113	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130				
Matrix Spike (2051031-MS1)				Sou	rce: E0120	55-01 Pre	pared: 12/1	17/20 Anal	yzed: 12/17/20	
Benzene	5.50	0.0250	5.00	ND	110	54-133				
Toluene	5.52	0.0250	5.00	ND	110	61-130				
Ethylbenzene	5.47	0.0250	5.00	ND	109	61-133				
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131				
o-Xylene	5.53	0.0250	5.00	ND	111	63-131				
Total Xylenes	16.6	0.0250	15.0	ND	111	63-131				
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130				
Matrix Spike Dup (2051031-MSD1)				Sou	rce: E0120	55-01 Pre	pared: 12/1	17/20 Anal	yzed: 12/17/20	
Benzene	5.63	0.0250	5.00	ND	113	54-133	2.38	20		
Toluene	5.62	0.0250	5.00	ND	112	61-130	1.76	20		
Ethylbenzene	5.56	0.0250	5.00	ND	111	61-133	1.78	20		
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131	1.71	20		
p-Xylene	5.63	0.0250	5.00	ND	113	63-131	1.80	20		
Total Xylenes	16.9	0.0250	15.0	ND	113	63-131	1.74	20		
J										



# **QC Summary Data**

		V D	umm	ary Data	a				
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager	2	Iarper State #5 0046-0001 Iatalie Gladder			<b>Reported:</b> 12/22/2020 11:54:57AM		
	Nor	halogenated (	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits %	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	70	70	70	Inotes
Blank (2051031-BLK1)						Pre	pared: 12/1	7/20 Analy	zed: 12/18/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			
LCS (2051031-BS2)						Pre	pared: 12/1	7/20 Analy	zed: 12/17/20
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			
Matrix Spike (2051031-MS2)				Sou	rce: E012	055-01 Pre	pared: 12/1	7/20 Analy	zed: 12/17/20
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.4	70-130			
Matrix Spike Dup (2051031-MSD2)				Sou	rce: E012	055-01 Pre	pared: 12/1	7/20 Analy	zed: 12/17/20
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130	6.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

# **QC Summary Data**

		QC D	u	ary Data					
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:	1	Harper State #5 7 20046-0001 Natalie Gladden	fank Batt			12/	<b>Reported:</b> /22/2020 11:54:57AM
	Nonha	logenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2051035-BLK1)						Pre	pared: 12/1	8/20 Analy	zed: 12/18/20
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C35)	ND ND	25.0 50.0							
Surrogate: n-Nonane	43.5		50.0		87.1	50-200			
LCS (2051035-BS1)						Pre	pared: 12/1	8/20 Analy	zed: 12/18/20
Diesel Range Organics (C10-C28)	371	25.0	500		74.2	38-132			
Surrogate: n-Nonane	44.0		50.0		88.0	50-200			
Matrix Spike (2051035-MS1)				Sourc	ce: E012	059-02 Pre	pared: 12/1	8/20 Analy	zed: 12/18/20
Diesel Range Organics (C10-C28)	388	25.0	500	ND	77.6	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			
Matrix Spike Dup (2051035-MSD1)				Sourc	ce: E012	059-02 Pre	pared: 12/1	8/20 Analy	zed: 12/18/20
Diesel Range Organics (C10-C28)	386	25.0	500	ND	77.1	38-132	0.680	20	
Surrogate: n-Nonane	45.9		50.0		91.7	50-200			



# **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$	•	<i>J</i> –					
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:		Harper State #5 20046-0001 Natalie Gladden				1:	<b>Reported:</b> 2/22/2020 11:54:57AM
		Anions	by EPA	300.0/9056A	1				Analyst: NE
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2051038-BLK1)						Pre	pared: 12/1	18/20 Anal	yzed: 12/18/20
Chloride LCS (2051038-BS1)	ND	20.0				Pre	pared: 12/1	18/20 Anal	yzed: 12/18/20
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2051038-MS1)				Sou	rce: E0120	055-01 Pre	pared: 12/1	18/20 Anal	yzed: 12/18/20
Chloride	290	100	250	ND	116	80-120			
Matrix Spike Dup (2051038-MSD1)				Sou	rce: E0120	055-01 Pre	pared: 12/1	18/20 Anal	yzed: 12/18/20
Chloride	259	100	250	ND	104	80-120	11.1	20	

QC Summary Report Comment:

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



# **Definitions and Notes**

Spur	Project Name:	Harper State #5 Tank Batt	
PO Box 1058	Project Number:	20046-0001	Reported:
Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 11:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Inform	nation
le	

#### Chain of Custody

t: Spur	Bill To				La La	ab Us	se Or	lv				TA	T	EPA P	rogram
CT: MARPER STATE STANK BAT	Attention: ESS		Lab '	WO#	A 100 C 10	and the second se	A STATISTICS AND A STATISTICS	Numbe	r	1D	2D	3D	Standard	CWA	SDWA
ct Manager: BRADY MOULDER	Address: 7 W Compress Rd		EC	wo#	00	12	A	alla	m				i		
ess:	City, State, Zip Artesia, NM						Anal	sis and	Metho	d			an hai tan		RCRA
State, Zip	Phone:														
e:	Email: Natalie Gladden	1 Sections	015	015									turil co	State	1
: Natalie Gladden rt due by:		Sec.	by 8	by 8	021	09	10	0.00		N				UT AZ	TX
a Data u d		Lab	ORO'	DRO	by 8	by 82	ls 60	ide 3		-5	L C		×		
led Sampled Matrix Containers Sample ID		Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX		. 2 .	Remarks	
10 12-15-20 S 1 SP4	-10-	A.S.								x					
									5						
									-					an a	
										-					
						-							- <b>)</b>		
													1		and the second second second
ional Instructions:															
sampler), attest to the validity and authenticity of this sample. I a time of collection is considered fraud and may be grounds for leg	12.2	he sample loca	ation,				and the second						eived on ice the day °C on subsequent da		ed or receive
an Tolovera 17/10/20	Received by (Signature)	Date 12-16-2	202	Time	158	50	Rec	eived o	n ice:		ab Us	se On	Ŷ		
uished by: (Signature) Date Time	700 Received by: (Signature)	Date	x	Time	1	m	T1			T2			T3		
uished by: (Signature) Date Time	Received by: (Signature)	Date	2	Time			AVG	Temp	°C L	1					
Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container	Type	:g-g	glass,				and the second se	er gla	ss, v -	VOA			
Samples are discarded 30 days after results are reported es is applicable only to those samples received by the lab		amples will b	oe ret	urned	to cli	ient or	dispo	sed of at	the clie	nt exp	ense.	The r		CONTRACTOR CONTRACTOR	
	the laboratory	is mined to	ane d	moun	e paid		- x	cport.				0	rot		
						C	3	C	3 M	79			r nt	0	

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Spur E	ate Received:	12/17/20 1	1:00	Work Order ID:	E012062
Phone:	(575) 390-6397 E	Date Logged In:	12/17/20 1	1:47	Logged In By:	Alexa Michaels
Email:	ngladden@energystaffingllc.com	Due Date:	12/23/20 1	7:00 (4 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Fed	Ex	
4. Was t	the COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	· · · · <u></u>		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If nc	o visible ice, record the temperature. Actual sample te	mperature: 4°	С			
	Container	·	_			
_	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample container	s collected?	Yes			
Field La	abel					
20. Wer	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name? Preservation		No			
	es the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved met	als?	No			
	hase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	?	No			
26. Doe	es, does the COC specify which phase(s) is to be analyze		NA			
	· · · · · · · · · · · · · · · · · · ·		1 12 1			
27. If ye	tract Laboratory					
27. If ye <u>Subcon</u>	tract Laboratory	,	No			
27. If ye <u>Subcon</u> 28. Are	tract Laboratory samples required to get sent to a subcontract laboratory s a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab: N	IA	

Signature of client authorizing changes to the COC or sample disposition.



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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012069
Job Number:	20046-0001
Received:	12/19/2020

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/22/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported. Date Reported: 12/22/20

Natalie Gladden PO Box 1058 Hobbs, NM 88240



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Project Name: Harper State #5 Tank Batt Workorder: E012069 Date Received: 12/19/2020 10:45:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2020 10:45:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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		Sample Sum	mary		
Spur		Project Name:	Harper State #5 Tan	k Batt	Reported:
PO Box 1058		Project Number:	20046-0001		Reporteu.
Hobbs NM, 88240		Project Manager:	Natalie Gladden		12/22/20 10:37
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP5-6'	E012069-01A	Soil	12/17/20	12/19/20	Glass Jar, 4 oz.

		<b>L</b>					
Spur	Project Name	: Harp	per State #5	Tank Batt			
PO Box 1058	Project Numb	oer: 2004	46-0001				Reported:
Hobbs NM, 88240	Project Manag	ger: Nata	ilie Gladden	l			12/22/2020 10:37:46AM
		SP5-6'					
		E012069-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion Pre	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2052001
Benzene	ND	0.0250	1	12/2	21/20	12/21/20	
Toluene	ND	0.0250	1	12/2	21/20	12/21/20	
Ethylbenzene	ND	0.0250	1	12/2	21/20	12/21/20	
p,m-Xylene	ND	0.0500	1	12/2	21/20	12/21/20	
p-Xylene	ND	0.0250	1	12/2	21/20	12/21/20	
Total Xylenes	ND	0.0250	1	12/2	21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	12/.	21/20	12/21/20	
Surrogate: Toluene-d8		103 %	70-130	12/.	21/20	12/21/20	
Surrogate: Bromofluorobenzene		98.3 %	70-130	12/.	21/20	12/21/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2052001
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/2	21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	12/.	21/20	12/21/20	
Surrogate: Toluene-d8		103 %	70-130	12/.	21/20	12/21/20	
Surrogate: Bromofluorobenzene		98.3 %	70-130	12/.	21/20	12/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2052002
Diesel Range Organics (C10-C28)	ND	25.0	1	12/2	21/20	12/21/20	
Dil Range Organics (C28-C35)	ND	50.0	1	12/2	21/20	12/21/20	
Surrogate: n-Nonane		128 %	50-200	12/.	21/20	12/21/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: NE			Batch: 2052003
Chloride	55.0	20.0	1	12/2	21/20	12/21/20	





# Sample Data

	~•	impic D					
Spur PO Box 1058	Project Name: Project Numbe	er: 2004	er State #5 6-0001		Batt		<b>Reported:</b> 12/22/2020 10:37:46AM
Hobbs NM, 88240	Project Manag	er: Nata	lie Gladde	n			12/22/2020 10:37:46AM
		SP7-6'					
	-	E012069-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2052001
Benzene	ND	0.0250		1	12/21/20	12/21/20	
Toluene	ND	0.0250		1	12/21/20	12/21/20	
Ethylbenzene	ND	0.0250		1	12/21/20	12/21/20	
p,m-Xylene	ND	0.0500		1	12/21/20	12/21/20	
p-Xylene	ND	0.0250		1	12/21/20	12/21/20	
Total Xylenes	ND	0.0250		1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/21/20	12/21/20	
Surrogate: Toluene-d8		101 %	70-130		12/21/20	12/21/20	
Surrogate: Bromofluorobenzene		97.7 %	70-130		12/21/20	12/21/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2052001
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/21/20	12/21/20	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/21/20	12/21/20	
Surrogate: Toluene-d8		101 %	70-130		12/21/20	12/21/20	
Surrogate: Bromofluorobenzene		97.7 %	70-130		12/21/20	12/21/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052002
Diesel Range Organics (C10-C28)	ND	25.0		1	12/21/20	12/21/20	
Dil Range Organics (C28-C35)	ND	50.0		1	12/21/20	12/21/20	
Surrogate: n-Nonane		122 %	50-200		12/21/20	12/21/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	NE		Batch: 2052003
Chloride	249	20.0		1	12/21/20	12/21/20	



# **QC Summary Data**

		QC M		ry Data	•				
Spur PO Box 1058		Project Name: Project Number:		arper State #5 046-0001	Tank Batt				Reported:
Hobbs NM, 88240		Project Manager:	Na	atalie Gladden				12/2	22/2020 10:37:46AN
		Volatile Organic	Compo	unds by EP	A 8260F	3			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
-	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052001-BLK1)						Pre	pared: 12/2	21/20 Analyz	red: 12/21/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
LCS (2052001-BS1)						Pre	pared: 12/2	21/20 Analyz	red: 12/21/20
Benzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.44	0.0250	2.50		97.4	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
p,m-Xylene	4.96	0.0500	5.00		99.2	70-130			
p-Xylene	2.51	0.0250	2.50		100	70-130			
Total Xylenes	7.47	0.0250	7.50		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Matrix Spike (2052001-MS1)				Sour	·ce: E0120	68-01 Pre	pared: 12/2	21/20 Analyz	red: 12/21/20
Benzene	2.28	0.0250	2.50	ND	91.2	48-131	-		
Toluene	2.29	0.0250	2.50	ND	91.8	48-130			
Ethylbenzene	2.35	0.0250	2.50	ND	93.8	45-135			
p,m-Xylene	4.65	0.0500	5.00	ND	93.1	43-135			
p-Xylene	2.36	0.0250	2.50	ND	94.2	43-135			
Total Xylenes	7.01	0.0250	7.50	ND	93.5	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.512		0.500		104	70-130			
surrogate: 101uene-as Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
				S			nared 12/2	21/20 Analyz	red: 12/21/20
Matrix Spike Dup (2052001-MSD1) Benzene	2.26	0.0250	2.50	ND	90.5	48-131	0.748	23	
Toluene	2.20	0.0250	2.50	ND	89.8	48-131	2.14	23	
Ethylbenzene	2.28	0.0250	2.50	ND	91.3	45-135	2.66	27	
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135	2.26	27	
p-Xylene	2.31	0.0250	2.50	ND	92.2	43-135	2.15	27	
Total Xylenes	6.86	0.0250	7.50	ND	91.4	43-135	2.13	27	
•	0.518	0.0250	0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4									
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			



# **QC Summary Data**

		QC DI		lary Data					
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:		Harper State #5 7 20046-0001 Natalie Gladden	`ank Batt				<b>Reported:</b> 12/22/2020 10:37:46AM
	No	onhalogenated O	rganic	s by EPA 801	5D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052001-BLK1)						Pre	pared: 12/2	21/20 An	alyzed: 12/21/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
LCS (2052001-BS2)						Pre	pared: 12/2	21/20 An	alyzed: 12/21/20
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Matrix Spike (2052001-MS2)				Sourc	e: E0120	068-01 Pre	pared: 12/2	21/20 An	alyzed: 12/21/20
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Matrix Spike Dup (2052001-MSD2)				Source	e: E0120	068-01 Pre	pared: 12/2	21/20 An	alyzed: 12/21/20
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	0.453	20	
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			

# **QC Summary Data**

		QC D	umm	aly Data					
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:		Harper State #5 T 20046-0001 Natalie Gladden	ank Batt			12	<b>Reported:</b> 2/22/2020 10:37:46AM
	Nonha	logenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	6 6	6 6	00	00	,,,				
Blank (2052002-BLK1)						Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			
LCS (2052002-BS1)						Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
Diesel Range Organics (C10-C28)	401	25.0	500		80.2	38-132			
Surrogate: n-Nonane	48.5		50.0		96.9	50-200			
Matrix Spike (2052002-MS1)				Sourc	e: E012	068-01 Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
Diesel Range Organics (C10-C28)	464	25.0	500	ND	92.8	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			
Matrix Spike Dup (2052002-MSD1)				Sourc	e: E012	068-01 Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
Diesel Range Organics (C10-C28)	442	25.0	500	ND	88.4	38-132	4.78	20	
Surrogate: n-Nonane	49.8		50.0		99.7	50-200			



# **QC Summary Data**

	5		20046-0001				1:	<b>Reported:</b> 2/22/2020 10:37:46AM
	Anions	by EPA	300.0/90564	4				Analyst: NE
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
					Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
ND	20.0							
					Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
249	20.0	250		99.6	90-110			
			Sou	rce: E0120	068-01 Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
601	20.0	250	338	105	80-120			
			Sou	rce: E012(	068-01 Pre	pared: 12/2	21/20 Anal	yzed: 12/21/20
599	20.0	250	338	104	80-120	0.345	20	
	mg/kg ND 249 601	Project Number:       Project Manager       Anions       Result     Reporting       MD     20.0       249     20.0       601     20.0	Project Number: Project Manager:         Anions by EPA         Anions by EPA         Result       Reporting Limit       Spike Level mg/kg         ND       20.0         249       20.0       250         601       20.0       250	Project Number:     20046-0001       Project Manager:     Natalie Gladder       Anions by EPA 300.0/90564       Result     Spike     Source       Result     Reporting     Spike     Result       mg/kg     mg/kg     mg/kg     mg/kg       ND     20.0     Source       249     20.0     250       Source     Source       601     20.0     250	Project Number:20046-0001Project Manager:Natalie GladdenAnions by EPA 300.0/9056AResultReporting mg/kgSpike mg/kgSource Result mg/kgND20.020024920.025099.624920.025033810560120.0250338105Source: E0120	Project Number:20046-0001Project Manager:Natalie GladdenAnions by EPA 300.0/9056AResultReporting Limit mg/kgSource Result mg/kgRec %ResultReporting mg/kgSpike mg/kgSource mg/kgRec %ND20.0Pre24920.025099.690-11060120.025033810580-12060120.025033810580-120Cource: E012068-01PreCource: E012068-01	Project Number:20046-0001 Natalie GladdenProject Manager:Natalie GladdenAnions by EPA 300.0/9056AResultReporting LimitSpike LevelSource ResultRec Mg/kgRec %MD20.0Prepared: 12/2ND20.025099.690-11024920.025099.690-110Source:E012068-01Prepared: 12/260120.025033810580-12025033810580-120	Project Number:       20046-0001         Project Manager:       Natalie Gladden       12         Anions by EPA 300.0/9056A       Anions by EPA 300.0/9056A       Rec       Rec       RPD       Limit         Result       Reporting       Spike       Source       Rec       Limits       RPD       Limit         mg/kg       mg/kg       mg/kg       mg/kg       %       %       %       %         ND       20.0       250       99.6       90-110       Prepared: 12/21/20       Analy         601       20.0       250       338       105       80-120         Source: E012068-01       Prepared: 12/21/20       Analy         601       20.0       250       338       105       80-120

QC Summary Report Comment:

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



## **Definitions and Notes**

ſ	Spur	Project Name:	Harper State #5 Tank Batt	
	PO Box 1058	Project Number:	20046-0001	Reported:
	Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/22/20 10:37

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

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Time Date ampled Sampled	Matrix	No. of 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			Remar	ks
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or time of collection is						Sampled I	11/1/1	Ra	<u> </u>				packed	In ice at	an avg temj	above	0 but les	s than 6 °C	on subsequent d	ays.	
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linguished by: (Signati	ure)	Date		me		d by: (Signat	ure)	<b>12/19</b>	<u>u</u>	Time	172	ierski,	<u>T1</u>			12			<u>T3</u>		
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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Spur	Date Received:	12/19/20	10:45		Work Order ID:	E012069
Phone:	(575) 390-6397	Date Logged In:	12/18/20	16:56		Logged In By:	Raina Schwanz
Email:	ngladden@energystaffingllc.com	Due Date:	12/21/20	17:00 (0 day TAT)			
<u>Chain o</u>	<u>f Custody (COC)</u>						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location matc	h the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Fee	dEx		
4. Was the	he COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in 1 i.e, 15 minute hold time, are not included in this disucssior		Yes			<u>Commen</u>	ts/Resolution
Sample	Turn Around Time (TAT)			Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		Yes				
	e custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.	e 6°+2°C	Yes				
12. Wust	Note: Thermal preservation is not required, if samples are minutes of sampling		168				
13. If no	visible ice, record the temperature. Actual sample t	emperature: <u>4°</u>	<u>C</u>				
<u>Sample</u>	<u>Container</u>						
14 4 -	aqueous VOC samples present?		No				
14. Ale			INU				
	VOC samples collected in VOA Vials?		NA				
15. Are	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?						
15. Are 16. Is the	-		NA				
15. Are 16. Is the 17. Was	e head space less than 6-8 mm (pea sized or less)?		NA NA				
15. Are 16. Is the 17. Was 18. Are	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?	ers collected?	NA NA NA				
15. Are 16. Is the 17. Was 18. Are	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container	ers collected?	NA NA NA Yes				
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<ol> <li>Are <sup>7</sup></li> <li>Is the</li> <li>Vas</li> <li>Are <sup>1</sup></li> <li>Is the</li> <li>Field La</li> <li>Were</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container <b>bbel</b> e field sample labels filled out with the minimum infor Sample ID?		NA NA NA Yes				
15. Are <sup>7</sup> 16. Is the 17. Was 18. Are <sup>1</sup> 19. Is the <b>Field L</b> <sub>2</sub> 20. Were	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe <b>bbel</b> e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected?		NA NA Yes Yes Yes				
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15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent the field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre	mation:	NA NA Yes Yes Yes No No				
15. Are 16. Is the 17. Was 18. Are 19. Is the Field La 20. Were Sample 21. Does 22. Are	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent the field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre sample(s) correctly preserved?	mation: served?	NA NA Yes Yes Yes No No				
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15. Are 16. Is the 17. Was 18. Are 19. Is the <b>Field Ls</b> 20. Were <b>Sample</b> 21. Does 22. Are 24. Is lat <b>Multiph</b> 26. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> a the COC or field labels indicate the samples were pre sample(s) correctly preserved? to filteration required and/or requested for dissolved me tase Sample Matrix is the sample have more than one phase, i.e., multiphase	mation: served? etals? 5?	NA NA Yes Yes Yes No No NA No				
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15. Are 16. Is the 17. Was 18. Are 19. Is the <b>Field Lz</b> 20. Were 20. Were 21. Does 22. Are 24. Is lai <u>Multiph</u> 26. Does 27. If ye <u>Subcont</u> 28. Are	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample container <b>bel</b> e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pre sample(s) correctly preserved? o filteration required and/or requested for dissolved me <b>tase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz	mation: served? etals? eed? /?	NA NA Yes Yes Yes No No NA No	Subcontract Lab:			

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012071
Job Number:	20046-0001
Received:	12/22/2020

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/23/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported. Date Reported: 12/23/20

Natalie Gladden PO Box 1058 Hobbs, NM 88240



Page 87 of 168

Project Name: Harper State #5 Tank Batt Workorder: E012071 Date Received: 12/22/2020 11:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/22/2020 11:30:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Chain of Custody etc.

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#### Sample Summary

		Sample Sum	mary		
Spur		Project Name:	Harper State #5 Tar	nk Batt	Reported:
PO Box 1058		Project Number:	20046-0001		Reporteu.
Hobbs NM, 88240		Project Manager:	Natalie Gladden		12/23/20 13:59
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P 8- 9'	E012071-01A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 9- 2'	E012071-02A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 10- 3'	E012071-03A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
<b>°</b> 6- 12'	E012071-04A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 11- 10'	E012071-05A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 1- 10'	E012071-06A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 2- 12'	E012071-07A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 3-12'	E012071-08A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 12- 5'	E012071-09A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 13- 3'	E012071-10A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 14- 7'	E012071-11A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
P 15- 2'	E012071-12A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.
2 16- 2'	E012071-13A	Soil	12/21/20	12/22/20	Glass Jar, 4 oz.



	~					
Spur	Project Nam	e: Har	per State #5 Tank	Batt		
PO Box 1058	Project Num	per: 20046-0001				Reported:
Hobbs NM, 88240	Project Mana	ager: Nata	ger: Natalie Gladden			12/23/2020 1:59:24PM
		SP 8- 9'				
		E012071-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
p-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Fotal Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		84.9 %	50-200	12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: NE		Batch: 2052009
Chloride	614	20.0	1	12/22/20	12/22/20	

# Sample Data

## Sample Data

	D.	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	per State #5 Tank 46-0001 alie Gladden	<b>Reported:</b> 12/23/2020 1:59:24PM		
		SP 9- 2'				
		E012071-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		81.6 %	50-200	12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: NE		Batch: 2052009
Chloride	20.8	20.0	1	12/22/20	12/22/20	

## Sample Data

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Project Name: Project Numbe		per State #5 Tank	Batt		
Project Numbe	200	16 0001			Dementede
Ducient Manag					<b>Reported:</b> 12/23/2020 1:59:24PM
roject Manager: Natalie Gladden					12/23/2020 1.39.24FW
	SP 10- 3'				
	E012071-03				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	t: RKS		Batch: 2052007
ND	0.0250	1	12/22/20	12/22/20	
ND	0.0250	1	12/22/20	12/22/20	
ND	0.0250	1	12/22/20	12/22/20	
ND	0.0500	1	12/22/20	12/22/20	
ND	0.0250	1	12/22/20	12/22/20	
ND	0.0250	1	12/22/20	12/22/20	
	102 %	70-130	12/22/20	12/22/20	
mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2052007
ND	20.0	1	12/22/20	12/22/20	
	90.6 %	70-130	12/22/20	12/22/20	
mg/kg	mg/kg	Analys	t: JL		Batch: 2052008
ND	25.0	1	12/22/20	12/22/20	
ND	50.0	1	12/22/20	12/22/20	
	77.5 %	50-200	12/22/20	12/22/20	
mg/kg	mg/kg	Analys	t: NE		Batch: 2052009
27.2	20.0	1	12/22/20	12/22/20	
	Result mg/kg ND ND ND ND ND ND ND MD mg/kg ND ND ND MD	SP 10- 3'           E012071-03           Reporting           Result         Imit           mg/kg         mg/kg           ND         0.0250           MD         20.0           90.6 %         mg/kg           MD         25.0           ND         50.0           77.5 %         mg/kg         mg/kg	SP 10- 3'           E012071-03           Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analys           ND         0.0250         1           ND         20.0         1           90.6 %         70-130         1           mg/kg         mg/kg         Analys           ND         25.0         1           ND         50.0         1           ND         50.0         1           ND         50.0         1           ND         50.200         1	SP 10- 3'           E012071-03           Reporting           Reporting         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/22/20           ND         20.0         1         12/22/20           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         12/22/20           ND         25.0         1         12/22/20           ND         25.0         1         12/22/20           ND         25.0         1	SP 10- 3'           E012071-03           Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS         VIII (22/20)         12/22/20           ND         0.0250         1         12/22/20         12/22/20           mg/kg         mg/kg         Analyst: RKS         12/22/20         12/22/20           MD         20.0         1         12/22/20         12/22/20           mg/kg         mg/kg         Analyst: RKS         12/22/20         12/22/20           ND         25.0         1

#### Sample Data

	N N	sampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Num Project Mana	ber: 2004	per State #5 Tank 46-0001 alie Gladden	<b>Reported:</b> 12/23/2020 1:59:24PM		
		SP 6- 12'				
		E012071-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
`oluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
urrogate: 4-Bromochlorobenzene-PID		103 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		75.6 %	50-200	12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: NE		Batch: 2052009
Chloride	728	20.0	1	12/22/20	12/22/20	



#### Sample Data

	K.	sampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Num Project Mana	ber: 2004	Harper State #5 Tank Batt 20046-0001 Natalie Gladden			<b>Reported:</b> 12/23/2020 1:59:24PM
		SP 11- 10'				
		E012071-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
Toluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
p-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		84.4 %	50-200	12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: NE		Batch: 2052009
Chloride	167	20.0	1	12/22/20	12/22/20	



## Sample Data

		ampic D	ara			
Spur PO Box 1058	Project Name: Project Numb		per State #5 Tank 1 46-0001	Reported:		
Hobbs NM, 88240	Project Manag	ger: Nata	:: Natalie Gladden			12/23/2020 1:59:24PM
		SP 1- 10'				
		E012071-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: RKS		Batch: 2052007
Benzene	ND	0.0250	1	12/22/20	12/22/20	
<b>`</b> oluene	ND	0.0250	1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20	
o-Xylene	ND	0.0250	1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2052007
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20	
urrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20	
Surrogate: n-Nonane		83.3 %	50-200	12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: NE		Batch: 2052009
Chloride	2880	40.0	2	12/22/20	12/22/20	



## Sample Data

	5	ampic D	ata				
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numb Project Manag	er: 2004	Harper State #5 Tank Batt 20046-0001 Natalie Gladden			<b>Reported:</b> 12/23/2020 1:59:24PM	
		SP 2- 12'					
		E012071-07					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2052007	
Benzene	ND	0.0250	1	12/22/20	12/22/20		
oluene	ND	0.0250	1	12/22/20	12/22/20		
thylbenzene	ND	0.0250	1	12/22/20	12/22/20		
,m-Xylene	ND	0.0500	1	12/22/20	12/22/20		
-Xylene	ND	0.0250	1	12/22/20	12/22/20		
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20		
urrogate: 4-Bromochlorobenzene-PID		97.6 %	70-130	12/22/20	12/22/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	Analyst: RKS		Batch: 2052007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20		
urrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	12/22/20	12/22/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2052008	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/22/20	12/22/20		
Dil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20		
urrogate: n-Nonane		81.7 %	50-200	12/22/20	12/22/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: NE		Batch: 2052009	
Chloride	2080	40.0	2	12/22/20	12/22/20		



# Sample Data

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Spur	Project Name						
PO Box 1058	Project Numb	er: 2004	46-0001		Reported:		
Hobbs NM, 88240	Project Manag	ger: Nata	ilie Gladden			12/23/2020 1:59:24PM	
		SP 3-12'					
		E012071-08					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: RKS		Batch: 2052007	
Benzene	ND	0.0250	1	12/22/20	12/22/20		
Toluene	ND	0.0250	1	12/22/20	12/22/20		
Ethylbenzene	ND	0.0250	1	12/22/20	12/22/20		
o,m-Xylene	ND	0.0500	1	12/22/20	12/22/20		
p-Xylene	ND	0.0250	1	12/22/20	12/22/20		
Total Xylenes	ND	0.0250	1	12/22/20	12/22/20		
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	12/22/20	12/22/20		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2052007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/22/20	12/22/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	12/22/20	12/22/20		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2052008	
Diesel Range Organics (C10-C28)	62.0	25.0	1	12/22/20	12/22/20		
Oil Range Organics (C28-C35)	ND	50.0	1	12/22/20	12/22/20		
Surrogate: n-Nonane		84.9 %	50-200	12/22/20	12/22/20		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: NE		Batch: 2052009	
Chloride	687	20.0	1	12/22/20	12/22/20		

#### Sample Data

	5	ample D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Numb Project Mana	er: 2004	er State #5 46-0001 Ilie Gladde		<b>Reported:</b> 12/23/2020 1:59:24PM		
		SP 12- 5'					
		E012071-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Benzene	ND	0.0250		1	12/22/20	12/22/20	
oluene	ND	0.0250		1	12/22/20	12/22/20	
thylbenzene	ND	0.0250		1	12/22/20	12/22/20	
,m-Xylene	ND	0.0500		1	12/22/20	12/22/20	
-Xylene	ND	0.0250		1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250		1	12/22/20	12/22/20	
urrogate: 1,2-Dichloroethane-d4		107 %	70-130		12/22/20	12/22/20	
urrogate: Toluene-d8		103 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		98.9 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/22/20	12/22/20	
urrogate: 1,2-Dichloroethane-d4		107 %	70-130		12/22/20	12/22/20	
urrogate: Toluene-d8		103 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		98.9 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0		1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0		1	12/22/20	12/22/20	
urrogate: n-Nonane		89.9 %	50-200		12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: NE			Batch: 2052009
Chloride	52.2	20.0		1	12/22/20	12/22/20	



#### Sample Data

		ample D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Num Project Mana	ber: 2004	er State # 46-0001 Ilie Gladde		<b>Reported:</b> 12/23/2020 1:59:24PM		
		SP 13- 3'					
		E012071-10					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Analyte			DI		•	Allalyzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2052012
Benzene	ND	0.0250		1	12/22/20	12/22/20	
Toluene	ND	0.0250		1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250		1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500		1	12/22/20	12/22/20	
D-Xylene	ND	0.0250		1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		103 %	70-130		12/22/20	12/22/20	
Surrogate: Bromofluorobenzene		97.3 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		103 %	70-130		12/22/20	12/22/20	
Surrogate: Bromofluorobenzene		97.3 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0		1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0		1	12/22/20	12/22/20	
Surrogate: n-Nonane		97.6 %	50-200		12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: NE		Batch: 2052009
Chloride	ND	20.0		1	12/22/20	12/22/20	



## Sample Data

	~	ampic D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numb Project Manag	er: 2004	per State # 46-0001 Ilie Gladde	<b>Reported:</b> 12/23/2020 1:59:24PM			
		SP 14- 7'					
		E012071-11					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Benzene	ND	0.0250		1	12/22/20	12/22/20	
Toluene	ND	0.0250		1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250		1	12/22/20	12/22/20	
,m-Xylene	ND	0.0500		1	12/22/20	12/22/20	
-Xylene	ND	0.0250		1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250		1	12/22/20	12/22/20	
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		97.9 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/22/20	12/22/20	
urrogate: 1,2-Dichloroethane-d4		103 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		97.9 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0		1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0		1	12/22/20	12/22/20	
Surrogate: n-Nonane		91.9 %	50-200		12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	NE		Batch: 2052009
Chloride	395	20.0		1	12/22/20	12/22/20	



## Sample Data

	~	ampic D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	er State #: 6-0001 lie Gladde	<b>Reported:</b> 12/23/2020 1:59:24PM			
		SP 15- 2'					
		E012071-12					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Benzene	ND	0.0250		1	12/22/20	12/22/20	
Toluene	ND	0.0250		1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250		1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500		1	12/22/20	12/22/20	
-Xylene	ND	0.0250		1	12/22/20	12/22/20	
Total Xylenes	ND	0.0250		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		98.0 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
urrogate: Bromofluorobenzene		98.0 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0		1	12/22/20	12/22/20	
Dil Range Organics (C28-C35)	ND	50.0		1	12/22/20	12/22/20	
Surrogate: n-Nonane		93.3 %	50-200		12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	NE		Batch: 2052009
Chloride	28.8	20.0		1	12/22/20	12/22/20	



## Sample Data

	~	ampic D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	oer State #: 46-0001 Ilie Gladde	<b>Reported:</b> 12/23/2020 1:59:24PM			
		SP 16- 2'					
		E012071-13					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Benzene	ND	0.0250		1	12/22/20	12/22/20	
Toluene	ND	0.0250		1	12/22/20	12/22/20	
Ethylbenzene	ND	0.0250		1	12/22/20	12/22/20	
o,m-Xylene	ND	0.0500		1	12/22/20	12/22/20	
p-Xylene	ND	0.0250		1	12/22/20	12/22/20	
Fotal Xylenes	ND	0.0250		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
Surrogate: Bromofluorobenzene		95.6 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052012
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/22/20	12/22/20	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		12/22/20	12/22/20	
Surrogate: Toluene-d8		102 %	70-130		12/22/20	12/22/20	
Surrogate: Bromofluorobenzene		95.6 %	70-130		12/22/20	12/22/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052008
Diesel Range Organics (C10-C28)	ND	25.0		1	12/22/20	12/22/20	
Oil Range Organics (C28-C35)	ND	50.0		1	12/22/20	12/22/20	
Surrogate: n-Nonane		87.0 %	50-200		12/22/20	12/22/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	NE		Batch: 2052009
Chloride	158	20.0		1	12/22/20	12/22/20	



# **QC Summary Data**

	Project Name:	arper State #5 7				Reported:			
	Project Number:	20	046-0001					-	
	Project Manager:	Na	atalie Gladden				1	2/23/2020 1:59:24PM	
Volatile Organic Compounds by EPA 8260B Analyst: RKS									
	Reporting	Spike	Source		Rec		RPD		
Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
					Pre	pared: 12/2	22/20 Anal	yzed: 12/22/20	
ND	0.0250								
ND	0.0250								
ND	0.0250								
ND	0.0500								
ND	0.0250								
ND	0.0250								
0.505		0.500		101	70-130				
		0.500		102	70-130				
0.488		0.500		97.6	70-130				
					Pre	pared: 12/2	22/20 Anal	yzed: 12/22/20	
2 49	0.0250	2 50		99.7	70-130				
	0.0250								
0.509		0.500		102	70-130				
						pared: 12/2	22/20 Anal	yzed: 12/22/20	
2.43	0.0250	2.50	ND	97.0	48-131				
	0.0250								
	0.0250								
	0.0500								
	0.0250								
	0.0250		ND						
0.505		0.500		101	70-130				
0.515		0.500		103	70-130				
0.490		0.500		98.0	70-130				
			Sourc	ce: E0120	72-01 Pre	pared: 12/2	22/20 Anal	yzed: 12/22/20	
2.27	0.0250	2.50	ND	90.8	48-131	6.67	23		
2.29	0.0250	2.50	ND	91.7	48-130	6.66	24		
2.34	0.0250	2.50	ND	93.7	45-135	7.52	27		
	0.0500	5.00	ND	93.1	43-135	7.87	27		
4.66	0.0500								
4.66 2.36	0.0250	2.50	ND	94.4	43-135	7.66	27		
		2.50 7.50	ND ND	94.4 93.5	43-135 43-135	7.66 7.80	27 27		
2.36 7.01	0.0250								
2.36	0.0250	7.50		93.5	43-135				
	Result mg/kg ND ND ND ND ND ND ND 0.505 0.511 0.488 2.49 2.54 2.60 5.16 2.59 7.75 0.517 0.528 0.509 7.75 0.517 0.528 0.509 2.43 2.45 2.53 5.04 2.55 7.58 0.505 0.515 0.490	Project Number: Project Manager:           Volatile Organic           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           0.505         0.511           0.488	Project Number:         20           Project Manager:         Na           Volatile Organic Comport           Result         Reporting Limit         Spike Level           mg/kg         mg/kg         mg/kg           ND         0.0250         ND           ND         0.0250         0.000           ND         0.0250         0.000           ND         0.0250         0.000           0.501         0.500         0.000           0.511         0.500         0.500           0.524         0.0250         2.50           2.60         0.0250         2.50           2.60         0.0250         2.50           0.517         0.500         0.500           0.517         0.500         0.500           0.528         0.500         0.500           2.43         0.0250         2.50           2.53         0.0250         2.50           5.04         0.0500         5.00      0	Project Number:         20046-0001 Natalie Gladden           Volatile Organic Compounds by EPA           Result         Spike         Source           mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ng/kg         mg/kg           ND         0.0250         nD         0.0250           0.501         0.500         0.500         0.500           0.511         0.500         0.500         0.500           0.516         0.0250         2.50         0.500           2.59         0.0250         2.50         0.500           0.517         0.0250         2.50         0.500           0.517         0.0250         2.50         0.500           0.509         0.500         0.500         0.500           0.517         0.0250         2.50         ND           0.528 <t< td=""><td>Project Number:         20046-0001           Project Manager:         Natalie Gladden           Colatile Organic Compounds by EPA Score           Result         Reporting         Spike         Source           Result         Ininit         Level         Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         ng/kg         %           ND         0.0250         numbre         101           ND         0.0250         101         102           ND         0.0250         101         102           0.505         0.500         101         102           0.505         0.500         101         102           0.488         0.500         101         102           0.488         0.500         103         103           2.54         0.0250         2.50         104           5.16         0.0500         103         104           0.517         0.500         103         104           0.528         0.500         103         104           0.528         0.500         103           0.517         0.500</td><td>Project Number:         20046-0001           Project Manager:         Natalie Gladden           Collatile Organic Compounds by EPA S260B         Result         Rec         Limit           Marging         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         Mg/kg         %         %           ND         0.0250         mg/kg         MG         %         %           ND         0.0250         ND         101         70-130           ND         0.0250         102         70-130           ND         0.0250         101         70-130           ND         0.0250         101         70-130           ND         0.0250         101         70-130           0.505         0.500         101         70-130           0.488         0.500         101         70-130           0.488         0.500         103         70-130           2.49         0.0250         2.50         104         70-130           2.49         0.0250         2.50         104         70-130           2.49         0.0250         2.50         104         70-130           &lt;</td><td>Project Number:         20046-0001           Project Manager:         Natalie Gladden           Volatile Organic         Compounds by EPA 8260B           Result         Reporting mg/kg         Spike mg/kg         Source mg/kg         Rec %         Rec %         Rep %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         Prepared: 12/2           0.505         0.500         101         70-130           0.511         0.500         102         70-130           0.438         0.500         97.7         70-130           0.438         0.500         101         70-130           2.44         0.0250         2.50         104         70-130           2.45         0.0250         2.50         104         70-130           2.50         0.500         103         70-130         101           2.49         0.0250         2.50         104         70-130           2.50         0.500         103         70-130         101           2.43</td></t<> <td>Project Number:         20046-0001           Project Manager:         Natalie Gladden         I           Volatile Organic Compounds by EPA 8260B         Reporting glammed and grammed and grammed</td>	Project Number:         20046-0001           Project Manager:         Natalie Gladden           Colatile Organic Compounds by EPA Score           Result         Reporting         Spike         Source           Result         Ininit         Level         Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         ng/kg         %           ND         0.0250         numbre         101           ND         0.0250         101         102           ND         0.0250         101         102           0.505         0.500         101         102           0.505         0.500         101         102           0.488         0.500         101         102           0.488         0.500         103         103           2.54         0.0250         2.50         104           5.16         0.0500         103         104           0.517         0.500         103         104           0.528         0.500         103         104           0.528         0.500         103           0.517         0.500	Project Number:         20046-0001           Project Manager:         Natalie Gladden           Collatile Organic Compounds by EPA S260B         Result         Rec         Limit           Marging         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         Mg/kg         %         %           ND         0.0250         mg/kg         MG         %         %           ND         0.0250         ND         101         70-130           ND         0.0250         102         70-130           ND         0.0250         101         70-130           ND         0.0250         101         70-130           ND         0.0250         101         70-130           0.505         0.500         101         70-130           0.488         0.500         101         70-130           0.488         0.500         103         70-130           2.49         0.0250         2.50         104         70-130           2.49         0.0250         2.50         104         70-130           2.49         0.0250         2.50         104         70-130           <	Project Number:         20046-0001           Project Manager:         Natalie Gladden           Volatile Organic         Compounds by EPA 8260B           Result         Reporting mg/kg         Spike mg/kg         Source mg/kg         Rec %         Rec %         Rep %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         Prepared: 12/2           0.505         0.500         101         70-130           0.511         0.500         102         70-130           0.438         0.500         97.7         70-130           0.438         0.500         101         70-130           2.44         0.0250         2.50         104         70-130           2.45         0.0250         2.50         104         70-130           2.50         0.500         103         70-130         101           2.49         0.0250         2.50         104         70-130           2.50         0.500         103         70-130         101           2.43	Project Number:         20046-0001           Project Manager:         Natalie Gladden         I           Volatile Organic Compounds by EPA 8260B         Reporting glammed and grammed	



# **QC Summary Data**

Spur		Project Name:		arper State #5	Tank Batt				Reported:
PO Box 1058		Project Number:	20	046-0001					
Hobbs NM, 88240		Project Manager:	N	atalie Gladder	1			12	2/23/2020 1:59:24PM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052007-BLK1)						Pre	pared: 12/2	22/20 Analy	zed: 12/22/20
Benzene	ND	0.0250							
Foluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
p-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			
LCS (2052007-BS1)		22/20 Analy	zed: 12/23/20						
Benzene	5.31	0.0250	5.00		106	70-130			
foluene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.29	0.0250	5.00		106	70-130			
o,m-Xylene	10.7	0.0500	10.0		107	70-130			
p-Xylene	5.35	0.0250	5.00		107	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			
Matrix Spike (2052007-MS1)				Sou	rce: E0120	71-01 Pre	pared: 12/2	22/20 Analy	zed: 12/23/20
Benzene	5.17	0.0250	5.00	ND	103	54-133			
Foluene	5.20	0.0250	5.00	ND	104	61-130			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.21	0.0250	5.00	ND	104	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			
Matrix Spike Dup (2052007-MSD1)				Sou	rce: E0120	71-01 Pre	pared: 12/2	22/20 Analy	zed: 12/23/20
Benzene	5.33	0.0250	5.00	ND	107	54-133	3.03	20	
Toluene	5.35	0.0250	5.00	ND	107	61-130	2.84	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	2.96	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	2.84	20	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
p-Xylene	5.37	0.0250	5.00	ND	107	63-131	2.96	20	



# **QC Summary Data**

		QU N	u	ary Data	•				
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:	2	Iarper State #5 0046-0001 Jatalie Gladden				1	<b>Reported:</b> 2/23/2020 1:59:24PM
110005 11141, 88240	Noi	nhalogenated (				RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					70				
Blank (2052007-BLK1)						Pre	pared: 12/2	22/20 Anal	yzed: 12/22/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			
LCS (2052007-BS2)						Pre	pared: 12/2	22/20 Anal	yzed: 12/23/20
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
Matrix Spike (2052007-MS2)				Sour	ce: E012	071-01 Pre	pared: 12/2	22/20 Anal	yzed: 12/23/20
Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			
Matrix Spike Dup (2052007-MSD2)				Sour	ce: E012	071-01 Pre	pared: 12/2	22/20 Anal	yzed: 12/23/20
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	1.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



# **QC Summary Data**

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Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:		Harper State #5 20046-0001 Natalie Gladden					<b>Reported:</b> 12/23/2020 1:59:24PM
	No	onhalogenated O	rganic	s by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052012-BLK1)						Pre	pared: 12/2	22/20 An	alyzed: 12/22/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
urrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
LCS (2052012-BS2)						Pre	pared: 12/2	22/20 An	alyzed: 12/22/20
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Gurrogate: Toluene-d8	0.524		0.500		105	70-130			
urrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Matrix Spike (2052012-MS2)				Sour	rce: E012	072-01 Pre	pared: 12/2	22/20 An	alyzed: 12/22/20
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
urrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Matrix Spike Dup (2052012-MSD2)				Sour	rce: E012	072-01 Pre	pared: 12/2	22/20 An	alyzed: 12/22/20
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.7	70-130	2.51	20	
durrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			



# **QC Summary Data**

		QU D	u 111 111	ary Date	4				
Spur PO Box 1058		Project Name: Project Number:		Harper State #5 20046-0001	Tank Batt				Reported:
Hobbs NM, 88240		Project Manager:	1	Natalie Gladden				12/	/23/2020 1:59:24PM
	Nonha	alogenated Org	anics by	y EPA 8015D	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052008-BLK1)						Pre	pared: 12/2	22/20 Analyz	zed: 12/22/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			
LCS (2052008-BS1)						Pre	pared: 12/2	22/20 Analyz	zed: 12/22/20
Diesel Range Organics (C10-C28)	387	25.0	500		77.3	38-132			
Surrogate: n-Nonane	43.8		50.0		87.5	50-200			
Matrix Spike (2052008-MS1)				Sour	rce: E012	071-05 Pre	pared: 12/2	22/20 Analyz	zed: 12/22/20
Diesel Range Organics (C10-C28)	390	25.0	500	ND	78.1	38-132			
Surrogate: n-Nonane	43.3		50.0		86.7	50-200			
Matrix Spike Dup (2052008-MSD1)				Sour	rce: E012	071-05 Pre	pared: 12/2	22/20 Analyz	zed: 12/22/20
Diesel Range Organics (C10-C28)	387	25.0	500	ND	77.3	38-132	0.990	20	
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			


## **QC Summary Data**

		<u> </u>		v					
Spur		Project Name:	ł	Harper State #5	Tank Batt				Reported:
PO Box 1058		Project Number:	2	0046-0001					
Hobbs NM, 88240		Project Manager:	١	Vatalie Gladden	1				12/23/2020 1:59:24PM
		Anions	by EPA	300.0/9056A	۱.				Analyst: NE
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052009-BLK1)						Pre	pared: 12/2	22/20 Ana	lyzed: 12/22/20
Chloride	ND	20.0							
LCS (2052009-BS1)						Pre	pared: 12/2	22/20 Ana	lyzed: 12/22/20
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2052009-MS1)				Sou	rce: E012(	71-01 Pre	pared: 12/2	22/20 Ana	lyzed: 12/22/20
Chloride	849	20.0	250	614	94.2	80-120			
Matrix Spike Dup (2052009-MSD1)				Sou	rce: E012(	71-01 Pre	pared: 12/2	22/20 Ana	lyzed: 12/22/20
Chloride	845	20.0	250	614	92.4	80-120	0.515	20	

QC Summary Report Comment:

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



Γ	Spur	Project Name:	Harper State #5 Tank Batt	
	PO Box 1058	Project Number:	20046-0001	Reported:
	Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/23/20 13:59

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



(C) and a second factor and a second	۱	Project
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oject: A	HARPER	STATE	#5	TANKE	3.AF	Attention		ESS		Lab	WO#				lumb	er	1D X	2D	3D	Standard	CWA	SDWA
oject N Idress:	lanager: /	362 ADY	1969	coer		Address: City, State		V Compress Rd Artesia, NM		EO	190	1				d Metho				Torial and		RCRA
ty, Stat	e, Zip					Phone:							Τ	ĺ								
one: nail:	Nat	talie Gla	dden			Email:	٢	Vatalie Gladden		8015	8015									NMIC	State	
eport d			uuen							RO by	RO by	/ 8021	8260	6010	e 300.		- NM	Ĕ		×		
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 802.	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX			Remark	s
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elinquistr	ed by (Signa	ture)	b Date	2.21.20	Time 8176		ved by: (Sign	ature)	Date	to	Time	:3	0	<u>T1</u>			<u>T2</u>			<u></u>		
elinquish	ed by: (Signa	iture)	Date		Time	Receiv	ved by: (Sign	nature)	Date		Time			AVG	Tem	o °c	4					
ample Mat	rix: <b>S</b> - Soil, <b>Sd</b>	- Solid, Sg -	Sludge, A - A	Aqueous, <b>O</b> - O	ther		Sec. 2		Containe				<b>p</b> - pc	oly/p	astic,	ag - amb						
lote: Sam	ples are disc applicable o	arded 30 d	lays after re	sults are rep	orted unle	ess other arran	ngements ar	e made. Hazardou	s samples wil	be ret	urned	to cli	ent or	dispo	sed of	at the cli	ent exp	ense.	The re	port for the	analysis of th	e above

Project In	nformation
lea	

ect: HARPER STATE #5 TANK BAT ect Manager: BRADY MOULDER	Bill To Attention: ESS Address: 7 W Compress Rd			wo#		b Us	Job I	ly Numbe	r mi	1D X	2D	TAT 3D	Standard	EPA Pr CWA	ogram SDWA
ress:, State, Zip	City, State, Zip Artesia, NM Phone:							vsis and		1 <u>/ /</u>				EPA Processor	RCRA
ail: Natalie Gladden	Email: Natalie Gladden		DRO/ORO by 8015	GRO/DRO by 8015	y 8021	8260	6010	Chloride 300.0		WN-	ХL-		NM CO	UT AZ	TX
me Date Matrix No. of Containers Sample ID		Lab Number	DRO/O	GRO/D	BTEX by 8021	VOC by 8260	Metals 6010	Chlorid		BGDOC - NM	BGDOC -			Remarks	
002-21-20 S 1 SP14.	.7-	11							_	X					
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litional Instructions:		diller and a set								<u></u>					
Id sampler), attest to the validity and authenticity of this sample. I am awa or time of collection is considered fraud and may be grounds for legal acti	re that tampering with or intentionally mislabelling the second sec	he sample loc	ation,	1		- 1	1						ved on ice the day on subsequent da		ed or receive
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rouished by: (Signature) Date Time	Received by: (Signature)	Date		Time			AVG	Temp	<u>م</u> ر	1					
l		Container	_			<b>p</b> - pc	oly/pl	astic, ag		_					and the second second

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Email:       ngladden@encrystatfingllc.com       Due Date:       12222/20 17:00 (0 day TAT)         Chain of Custody (COC)       .       .       .         1:. Does the sample ID match the COC?       Yes       .         2:. Does the number of samples per sensing site location match the COC       Yes       .         3:. Were samples dropped off by client or carrier?       Yes       Carrier: FedEx         4: Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes       Carrier: FedEx         5: Were all samples received within holding time?       Yes       Yes         Sample Turn Around Time (TAT)       Yes       Sample Cooler received?       Yes         6: Did the COC indicate standard TAT, or Expedited TAT?       Yes       Standard TAT was change per Natalite.       Standard TAT was change per Natalite.         9: Was the sample cooler received?       Yes       Yes       Standard TAT was change per Natalite.       Standard TAT was change per Natalite.         10: Use custody/security seals present?       No       No       No       No         11. If yes, were custody/security seals present?       No       No       No         12. Was the sample cooler the temperature.       4°C       Yes       Sample Date       Sample Date       Yes         13. If no visible ice, record the temperature? <th></th> <th></th> <th>Date Received:</th> <th>12/22/20</th> <th>00:00</th> <th></th> <th>Work Ore</th> <th>ler ID:</th> <th>: 1</th> <th>E012071</th>			Date Received:	12/22/20	00:00		Work Ore	ler ID:	: 1	E012071
Email:       gladden@energystaffinglle.com       Due Date:       12/22/20 17:00 (0 day TAT)         Chain of Custody (COC)       .       .       .         1. Does the sample ID match the COC?       Yes       .         2. Does the number of samples per sampling site location match the COC       Yes       .         3. Wore samples dropped off by Ueint or carrier?       Yes       Carrier: FodEx         4. Was the COC complete, i.e., signatures, dates/times, requested analyses?       Yes       Carrier: FodEx         5. Were all samples received within holding time?       Yes       Yes         5. More Candback to time, are not included in this discussion.       Sample Cooler       Standard TAT, or Expedited TAT?         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Standard TAT was change per Natalite.         9. Was the sample cooler received?       Yes       Yes       Standard TAT was change per Natalite.         10. Were custody/security scals present?       No       No       No         11. If yes, we custody/security scals present?       No       No       No         12. Was the sample received on is not required. If samples are received will 15 minutes of samples gresent?       No       No         13. If no visible ice, record the temperature:       4°C       Yes       Sample Contaliner       Yes	0-0	6397	Date Logged In:	12/22/20	0 09:27		Logged I	n By:		Alexa Michaels
2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes 5. Were all samples received within holding time? Yes 5. Were all samples received within holding time? Yes 5. More Analysis, such as pit which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. 5. Sample Cooler. Yes 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 5. Mare Cooler. Yes 9. Was the sample cooler received? Yes 10. Were custody/security seals present? No 11. If yes, was cooler received intact, i.e., not broken? Yes 10. Were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 12. Was the sample for received no ice? If yes, the recorded temp is 4°C, i.e., 6°4.2°C No: Thermal preservation is not required, if samples are received w/15 minutes of sampling 13. Ir ov sible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2}$ 5. Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in the correct containers? Yes 16. Is the head space less than 6~8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 5. Collectors name? No 5. Sample LO? Yes 5. Sample LO? Yes 5. Field Label 20. Were field sample labels filled out with the minimum information: 5. Sample LO? Yes 5. Collectors name? No 5. Sample LO? Yes 5. Collectors name? No 5. Are Source VOC or field labels indicate the samples were preserved? No 2. Are sample (So correct) preserved? No 2. Are sample loss; correct yres 5. Are Source VOC specify which phase(s) is to be analyzed? No 5. Does the COC or field labels indicate the samples were preserved? No 2. Are sample loss correct preserved? No 2. Are sample loss the COC specify which phase(s) is to be analyzed? No 5. Does the COC specify which phase(s) is to be analyzed? No 5. Dives the COC specify which phase(s) is			66		0 17:00 (	) day TAT)		2		
2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes 5. Were all samples received within holding time? Yes 5. Were all samples received within holding time? Yes 5. More: Analysis, such as pl4 which should be conduced in the field, i.e. 15 minute hold time, are not included in this discussion. 5. Sample Cooler. Yes 5. More custody/security seals present? Yes 9. Was the sample (s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, was cooler received not intig fisher the received temp is 4°C, i.e., 6°4.2°C Yes 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2}$ 5. Are VOC samples onlected in two of sample containers? Yes 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in the correct containers? Yes 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Were field sample tables filled out with the minimum information: Sample COC of field labels filled out with the minimum information: Sample COC or field labels filled out with the minimum information: Sample COC or field labels filled out with the minimum information: Sample COC or field labels filled out with the minimum information: Sample ID? Yes Collecter? Yes Collecter? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? No Sample COC or field labels indicate the samples were preserved? No 21. Are sample solected? No 22. Are sample (s) correctly preserved? No Sample Drecervation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample (s) correctly preserved? No Subter Trane Collected? Yes Collected? Yes Sample ID? Yes Sample ID? No Sample Drecervation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample	((	COC)								
<ul> <li>3. Were samples dropped off by client or carrier?</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Carrier: <u>FedEx</u></li> <li>Carrier: <u>FedEx</u></li> <li>Comments?</li> <li>Yes</li> <li>Yes</li></ul>				Yes						
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? Yes Not: Analysis, such as pl which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler received in good condition? Yes 9. Was the sample(s) received in tact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received in ic? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aqueous VOC samples collected in VOA Vials? NA 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC sample collected in the minimum information: Sample ID? Yes DidterTime Collected? Yes 19. Is the appropriate volume/weight or number of sample containers? Yes 19. Is the appropriate volume/weight or number of sample containers? Yes 19. Is the appropriate volume/weight or number of sample containers? Yes 19. Is the appropriate (C) Core field labels indicate the samples were preserved? No 21. Are sample (c) correctly preserved? No 22. Are sample (c) correctly preserved? No 23. Are sample (c) correctly preserved? No 24. Is lab filteration required and/or requested for dissolved metals? No Multiphase Sample Martix 26. Does the COC of peif which phase(, is to be analyzed? No 21. If yes, does the COC specify which phase() is to be analyzed? No 21. If yes, does the COC specify which phase() is to be analyzed? No 21. If yes, does the COC specify which phase() is to be analyzed? No Subcontract Laboratory	ro	of samples per sampling site locat	ion match the COC	Yes						
5. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? Yes Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in tVOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was at ip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample Crow received manyles, included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 21. Oces the COC or field labels indicate the samples were preserved? No 22. Are sample(5) correctly preserved? No 23. Are sample(5) correctly preserved? No 24. At s halp filteration required and/or requested for dissolved metals? No Multiphase Sample Harry 26. Does the sample have more than one phase, i.e., multiphase? No 71. If yes, does the COC specify which phase(5) is to be analyzed? No Subcontract Laboratory	roj	pped off by client or carrier?		Yes		Carrier: F	<u>dEx</u>			
Noti: Analysis, such as pf1 which about be conducted in the field,       Comments/         Sample Turn Around Time (TAT)       Yes         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         Sample Cooler       Yes         7. Was a sample cooler received?       Yes         9. Was the sample(s) received intagod condition?       Yes         9. Was the sample(s) received intagod condition?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       Na         12. Was the sample received on ics of required, if samples are received win 15 minutes of sampling       No         13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4^{orc}}{2^{orc}}$ No         14. Are aqueous VOC samples present?       No         15. Sample Container       Na         14. Are aqueous VOC samples present?       No         15. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample Cord field labels indicate the samples were preserved?       No         21. Does the COC of field labels indicate the samples were preserved?       No	om	plete, i.e., signatures, dates/times	, requested analyses?	Yes						
6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Standard TAT was changed         Sample Cooler       Yes       Standard TAT was changed         7. Was a sample cooler received?       Yes       Yes         8. If yes, was cooler received in good condition?       Yes       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes       Yes         10. Were custody/security seals intact?       No       NA         11. If yes, were custody/security seals intact?       NA       Yes         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes       Yes         Not: Themal preservation is not required, if samples are received w/i 15 minutes of sampling       TAT was changed         13. If no visible ice, record the temperature.       Actual sample temperature: <u>4°C</u> Sample Container         14. Are aqueous VOC samples present?       No       No       Na         15. Are NOC samples collected in the orrect containers?       Yes       Yes         19. Is the appropriate volume/weight or number of sample containers collecte?       Yes       Yes         Tield Label       Yes       No       Yes         20. Were field sample labels filled out with the minimum information:       Sample D?       Yes         Collectors name?       No <t< td=""><td>nal</td><td>lysis, such as pH which should be cond</td><td></td><td>Yes</td><td></td><td></td><td><u>Co</u></td><td>mme</td><td>ents/.</td><td><b>Resolution</b></td></t<>	nal	lysis, such as pH which should be cond		Yes			<u>Co</u>	mme	ents/.	<b>Resolution</b>
Sample Cooler.       per Natalie.         7. Was a sample cooler received?       Yes         8. If yes, was cooler received in god condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C       Yes         Note: Thermal preservation is not required, if samples are received wil 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         D ls the appropriate volume/weight or number of sample containers collected?       Yes         Ollectors name?       No         20. Were field sample labels filled out with the minimum information:       Sample Collector?         Sample Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No	un	<u>nd Time (TAT)</u>								
7. Was a sample cooler received?       Yes         8. If yes, was cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       NA         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was at rip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Pited Label       Zo       Yes         20. Were field sample labels filled out with the minimum information:       Sample Collected?       Yes         Date/Time Collected?       Yes       No         21. Joses the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field nabels indicate the samples were preserved?       No         22. A	dic	cate standard TAT, or Expedited T	AT?	Yes				cha	inge	ed to I day rush
8. If yes, was cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       The sample container         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample Collected?         Sample CD?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved? <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>per Natalie.</td><td></td><td></td><td></td></t<>							per Natalie.			
9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2}$ <b>Sample Container</b> 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes <b>Field Label</b> 20. Were field sample labels filled out with the minimum information: Sample ID? Yes OuterTime Collected? Yes Collectors name? No <b>Sample Preservation</b> 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample(s) correctly preserved? No 24. Is lab filteration required and/or requested for dissolved metals? No <b>Multiphase Sample Matrix</b> 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? Na <b>Subcontract Laboratory</b>	ool	ler received?		Yes						
10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       13.         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       Na	er	received in good condition?		Yes						
11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Pietd Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Oldector's name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         20. Does the sample (have more than one phase,	(s)	received intact, i.e., not broken?		Yes						
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         Multiphase Laboratory       No	sec	curity seals present?		No						
Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: $4^{\circ}C$ Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample DP?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample have more than one phase, i.e., multiphase?       No         Subcontract Laboratory.       Na	sto	ody/security seals intact?		NA						
13. If no visible ice, record the temperature. Actual sample temperature: 4°C         Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Date/Time Collected?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA	ıer	mal preservation is not required, if sar		Yes						
Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Collected?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Socrectly preserved?       NA         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Na			sample temperature: 4	°C						
14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       Yos         26. Does the sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       Na         Subcontract Laboratory       Na		•	· · · -							
15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       Yes         26. Does the sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Na	_	C samples present?		No						
16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Preservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the Sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA				NA						
18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Preservation       21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         70. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA	ce	e less than 6-8 mm (pea sized or le	ss)?	NA						
19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Preservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       Yes         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA	k	(TB) included for VOC analyses?		NA						
Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?         Date/Time Collected?         Collectors name?         Yes         Collectors name?         No         Sample Preservation         21. Does the COC or field labels indicate the samples were preserved?         No         22. Are sample(s) correctly preserved?         NA         24. Is lab filteration required and/or requested for dissolved metals?         No         Multiphase Sample Matrix         26. Does the sample have more than one phase, i.e., multiphase?         No         77. If yes, does the COC specify which phase(s) is to be analyzed?         NA         Subcontract Laboratory	sa	mples collected in the correct con	tainers?	Yes						
20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Preservation       21.         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Na	te	volume/weight or number of sample	e containers collected?	Yes						
Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Sample Preservation       1000000000000000000000000000000000000										
Date/Time Collected?       Yes         Date/Time Collected?       No         Sample Preservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA	-	e labels filled out with the minim	um information:							
Collectors name?       No         Sample Preservation       21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA		11 ( 10								
Sample Preservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA	-									
21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       VA				NO						
22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       VA			were preserved?	No						
24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Value		•	Proservou.							
Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA		• •	olved metals?							
26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       NA										
27. If yes, does the COC specify which phase(s) is to be analyzed? NA Subcontract Laboratory			ultiphase?	No						
Subcontract Laboratory		_	-							
			-							
28. Are samples required to get sent to a subcontract laboratory? No			aboratory?	No						
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA	-	-	•		Subco	ontract Lab	NA			

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Spur

Project Name:	Harper State #5 Tank Batt
Work Order:	E012090
Job Number:	20046-0001
Received:	12/23/2020

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/24/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported. Date Reported: 12/24/20

Natalie Gladden PO Box 1058 Hobbs, NM 88240



Page 115 of 168

Project Name: Harper State #5 Tank Batt Workorder: E012090 Date Received: 12/23/2020 11:29:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/23/2020 11:29:00AM, under the Project Name: Harper State #5 Tank Batt.

The analytical test results summarized in this report with the Project Name: Harper State #5 Tank Batt apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum	mary		
Spur		Project Name:	Harper State #5 Tar	nk Batt	Depented
PO Box 1058		Project Number:	20046-0001		Reported:
Hobbs NM, 88240		Project Manager:	Natalie Gladden		12/24/20 12:11
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP17 - 2'	E012090-01A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.
SP18 - 12'	E012090-02A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.
SW1 -2'	E012090-03A	Soil	12/22/20	12/23/20	Glass Jar, 4 oz.



		ampic D				
Spur	Project Name	: Harj	ber State #5	Tank Batt		
PO Box 1058	Project Numb	er: 2004	46-0001			Reported:
Hobbs NM, 88240	Project Mana	ger: Nata	lie Gladden			12/24/2020 12:11:12PM
		SP17 - 2'				
		E012090-01				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	analyst: RKS		Batch: 2052019
Benzene	ND	0.0250	1	12/23/20	12/23/20	
Toluene	ND	0.0250	1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250	1	12/23/20	12/23/20	
p,m-Xylene	ND	0.0500	1	12/23/20	12/23/20	
o-Xylene	ND	0.0250	1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/23/20	12/23/20	
Surrogate: Toluene-d8		103 %	70-130	12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		97.2 %	70-130	12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: RKS		Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	12/23/20	12/23/20	
Surrogate: Toluene-d8		103 %	70-130	12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		97.2 %	70-130	12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	analyst: JL		Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/23/20	12/23/20	
Surrogate: n-Nonane		82.1 %	50-200	12/23/20	12/23/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: NE		Batch: 2052015
Chloride	20.3	20.0	1	12/23/20	12/23/20	

## Sample Data



## Sample Data

		ampic D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	per State #: 46-0001 Ilie Gladde		3att		<b>Reported:</b> 12/24/2020 12:11:12PM
		SP18 - 12'					
		E012090-02					
Auchar	Result	Reporting Limit		ution	Durana	Auchard	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Inotes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052019
Benzene	ND	0.0250		1	12/23/20	12/23/20	
Toluene	ND	0.0250		1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250		1	12/23/20	12/23/20	
o,m-Xylene	ND	0.0500		1	12/23/20	12/23/20	
p-Xylene	ND	0.0250		1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250		1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		12/23/20	12/23/20	
Surrogate: Toluene-d8		102 %	70-130		12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		98.3 %	70-130		12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		12/23/20	12/23/20	
Surrogate: Toluene-d8		102 %	70-130		12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		98.3 %	70-130		12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0		1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0		1	12/23/20	12/23/20	
Surrogate: n-Nonane		75.6 %	50-200		12/23/20	12/23/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	NE		Batch: 2052015
Chloride	1780	20.0		1	12/23/20	12/23/20	



## Sample Data

	~	ampic D					
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Numb Project Mana	ber: 2004	per State # 46-0001 Ilie Gladde		3att		<b>Reported:</b> 12/24/2020 12:11:12PM
		SW1 -2'					
		E012090-03					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2052019
Benzene	ND	0.0250		1	12/23/20	12/23/20	
Toluene	ND	0.0250		1	12/23/20	12/23/20	
Ethylbenzene	ND	0.0250		1	12/23/20	12/23/20	
o,m-Xylene	ND	0.0500		1	12/23/20	12/23/20	
p-Xylene	ND	0.0250		1	12/23/20	12/23/20	
Total Xylenes	ND	0.0250		1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/23/20	12/23/20	
Surrogate: Toluene-d8		102 %	70-130		12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		99.6 %	70-130		12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2052019
Gasoline Range Organics (C6-C10)	ND	20.0		1	12/23/20	12/23/20	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		12/23/20	12/23/20	
Surrogate: Toluene-d8		102 %	70-130		12/23/20	12/23/20	
Surrogate: Bromofluorobenzene		99.6 %	70-130		12/23/20	12/23/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	JL		Batch: 2052014
Diesel Range Organics (C10-C28)	ND	25.0		1	12/23/20	12/23/20	
Oil Range Organics (C28-C35)	ND	50.0		1	12/23/20	12/23/20	
Surrogate: n-Nonane		83.2 %	50-200		12/23/20	12/23/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	NE		Batch: 2052015
Chloride	285	20.0		1	12/23/20	12/23/20	



## **QC Summary Data**

				iry Data	L					
Spur PO Box 1058		Project Name: Project Number:		arper State #5 7 046-0001	Tank Batt				Reported:	
Hobbs NM, 88240		Project Manager:	Na	atalie Gladden				12/	12/24/2020 12:11:12PM	
		Volatile Organic	Compo	unds by EP	A 8260I	B	Analyst: RKS			
Analyte	Degult	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2052019-BLK1)						Pre	pared: 12/2	23/20 Analyz	zed: 12/23/20	
Benzene	ND	0.0250								
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250								
p,m-Xylene	ND	0.0500								
o-Xylene	ND	0.0250								
Total Xylenes	ND	0.0250								
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130				
LCS (2052019-BS1)						Pre	pared: 12/2	23/20 Analyz	red: 12/23/20	
Benzene	2.40	0.0250	2.50		95.9	70-130				
Toluene	2.48	0.0250	2.50		99.3	70-130				
Ethylbenzene	2.54	0.0250	2.50		102	70-130				
p,m-Xylene	5.09	0.0500	5.00		102	70-130				
o-Xylene	2.55	0.0250	2.50		102	70-130				
Total Xylenes	7.64	0.0250	7.50		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130				
Surrogate: 1,2 Diemorocinane uv Surrogate: Toluene-d8	0.520		0.500		104	70-130				
Surrogate: Totuene-us Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130				
Matrix Spike (2052019-MS1)				Sour	ce: E012(	067-01 Pre	pared: 12/2	23/20 Analyz	red: 12/23/20	
• • •	2.27	0.0250	2.50	ND	91.0	48-131	purcui 12/2	20/20 Tillaly1		
Benzene	2.27	0.0250	2.50 2.50	ND	92.8	48-131				
Toluene	2.32	0.0250	2.50	ND	92.8 95.2	48-130				
Ethylbenzene	2.38 4.76	0.0250	5.00	ND	95.2 95.1	43-135				
p,m-Xylene o-Xylene	2.41	0.0500 0.0250	2.50	ND	96.2	43-135				
o-Xylene Total Xylenes	7.16	0.0250	2.30 7.50	ND	96.2 95.5	43-135				
		0.0250	0.500		101	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.503									
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene	0.514 0.509		0.500 0.500		103 102	70-130 70-130				
	0.507		0.000	G				22/20 A 1	1. 12/22/20	
Matrix Spike Dup (2052019-MSD1)	2.35	0.0250	2.50	ND Sour	ce: E0120	48-131	3.12	23/20 Analyz	zea: 12/23/20	
Benzene	2.35	0.0250	2.50	ND	93.8 96.5	48-131 48-130	3.12	23 24		
Toluene	2.41	0.0250	2.50	ND	96.5 99.7	48-130	3.87 4.54	24 27		
Ethylbenzene		0.0250				45-135 43-135				
p,m-Xylene	4.99	0.0500	5.00	ND	99.8		4.74	27		
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	4.69	27		
Total Xylenes	7.51	0.0250	7.50	ND	100	43-135	4.72	27		
Surrogate: 1,2-Dichloroethane-d4	0.525		0.500		105	70-130				
Surrogate: Toluene-d8	0.520		0.500		104	70-130				



## **QC Summary Data**

			-	iary Date	-					
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Number: Project Manager:		Harper State #5 20046-0001 Natalie Gladder			<b>Reported:</b> 12/24/2020 12:11:12PM				
	Nonhalogenated Organics by EPA 8015D - GRO Analy									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2052019-BLK1)						Pre	pared: 12/	23/20 An	alyzed: 12/23/20	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130				
Surrogate: Toluene-d8	0.508		0.500		102	70-130				
urrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130				
LCS (2052019-BS2)						Pre	pared: 12/	23/20 An	alyzed: 12/23/20	
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130				
Surrogate: Toluene-d8	0.518		0.500		104	70-130				
urrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130				
Matrix Spike (2052019-MS2)				Sou	rce: E012	067-01 Pre	pared: 12/	23/20 An	alyzed: 12/23/20	
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130				
Surrogate: Toluene-d8	0.520		0.500		104	70-130				
urrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130				
Matrix Spike Dup (2052019-MSD2)				Sou	rce: E012	067-01 Pre	pared: 12/	23/20 An	alyzed: 12/23/20	
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130	10.8	20		
Gurrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130				
Surrogate: Toluene-d8	0.525		0.500		105	70-130				
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130				



## **QC Summary Data**

		QU D	u 111111	ary Data	4				
Spur PO Box 1058		Project Name: Project Number:	]		Reported:				
Hobbs NM, 88240		Project Manager:	]	Natalie Gladden				12/	/24/2020 12:11:12PM
	Nonha	alogenated Org	anics by	y EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2052014-BLK1)						Pre	pared: 12/2	23/20 Analy	zed: 12/23/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			
LCS (2052014-BS1)						Pre	pared: 12/2	23/20 Analy	zed: 12/23/20
Diesel Range Organics (C10-C28)	399	25.0	500		79.8	38-132			
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			
Matrix Spike (2052014-MS1)				Sour	rce: E012	067-01 Pre	pared: 12/2	23/20 Analyz	zed: 12/23/20
Diesel Range Organics (C10-C28)	420	25.0	500	ND	84.0	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			
Matrix Spike Dup (2052014-MSD1)				Sour	rce: E012	067-01 Pre	pared: 12/2	23/20 Analyz	zed: 12/23/20
Diesel Range Organics (C10-C28)	434	25.0	500	ND	86.9	38-132	3.29	20	
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			



## **QC Summary Data**

Reported:		
-		
020 12:11:12PM		
lyst: NE		
Notes		
12/23/20		
12/23/20		
12/23/20		
M5		
12/23/20		
M5		

QC Summary Report Comment:

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



Γ	Spur	Project Name:	Harper State #5 Tank Batt	
l	PO Box 1058	Project Number:	20046-0001	Reported:
l	Hobbs NM, 88240	Project Manager:	Natalie Gladden	12/24/20 12:11

M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

roject	Information
0	
2	

Chain of Custody

Client: Spur Bill To												1	-				TAT						
oject: /	Spur V <u>4 A P E A</u> Nanager: E	STAT	Mone	ANK BAT	Addre	tention: ESS dress: 7 W Compress Rd ty, State, Zip Artesia, NM				Lab Use Only Lab WO# Job Number E012.096 20046-0 Analysis and M					0.000	1D 2D 3				dard	EPA Progr CWA SI 12:22 P <sup>2</sup> Notelli R	SDWA	
one: nail:	Na	atalie Gla	dden		Phone Email	<u>;</u>	Natalie Gladde	<u>n</u>	by 8015	by 8015	221										State UT AZ		
ime mpled	Date Sampled	Matrix	No. of Containers	Sample ID	1544		÷	Lab Number	DRO/ORO by	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX			×	Remarks		
:30	2.22.20	S	1	SP	17 -2	-										X				16			
10	2-12-10	S	/	SPI	17 -2 8 = 12 1 - 2 -	-		2								$\lambda$	1						
30	12.2270	S	/	Sw	1-2-	-		3									-						
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	al Instruct			-																			
or time o	of collection is	s considered	fraud and m	ay be grounds for le	gal action.	Sar	or intentionally mislabel	Talav	er	-					-	mp above	0 but le	ess than 6	°C on sub	ce the day ti sequent day		ed or received	
	d by: (Signa	21	Date 12 Date		3:50	eceived by: (	met	Date 12.22 Date	·202	Time Time	155	6	Rec	eived	on ice	: (	.ab U	se Onl I	iy				
L	d by: (Signa	0		22-2020	1640	eceived by: (	Schwam	Date	the	1	:29	)	<u>T1</u>			<u>T2</u>			_ I	3			
nie Matri	x: S - Soil Sd	- Solid Se -	Sludge A - A	queous, O - Other _			Containe	r Type	AVG Temp °C Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
e: Samp	les are disca	arded 30 d	ays after re	sults are reported		-	s are made. Hazardo liability of the labora	ous samples will	be ret	urned	l to cli	ent or	dispo	sed of	f at the d	lient ex	pense.	The r					
	E.											(	3		e	n	V	i	r C	)t	e	cł	
								age 13 of 14						·			-						

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient: Spur Date Re	ceived: 12/23/2	0 11:29	Work Order ID:	E012090
hone: (575) 390-6397 Date Lo	gged In: 12/22/2	0 16:15	Logged In By:	Alexa Michaels
nail: ngladden@energystaffingllc.com Due Da	ie: 12/23/2	0 17:00 (0 day TAT)		
hain of Custody (COC)				
Does the sample ID match the COC?	Yes			
. Does the number of samples per sampling site location match the C	OC Yes			
. Were samples dropped off by client or carrier?	Yes	Carrier: FedE	ζ.	
Was the COC complete, i.e., signatures, dates/times, requested anal	yses? Yes		-	
Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field i.e, 15 minute hold time, are not included in this disucssion.	, Yes		Commen	ts/Resolution
ample Turn Around Time (TAT)				
Did the COC indicate standard TAT, or Expedited TAT?	Yes			
ample Cooler				
Was a sample cooler received?	Yes			
If yes, was cooler received in good condition?	Yes			
Was the sample(s) received intact, i.e., not broken?	Yes			
). Were custody/security seals present?	No			
. If yes, were custody/security seals intact?	NA			
Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2 Note: Thermal preservation is not required, if samples are received minutes of sampling				
. If no visible ice, record the temperature. Actual sample tempera	ture: <u>4°C</u>			
mple Container				
Are aqueous VOC samples present?	No			
. Are VOC samples collected in VOA Vials?	NA			
Is the head space less than 6-8 mm (pea sized or less)?	NA			
. Was a trip blank (TB) included for VOC analyses?	NA			
	Yes			
. Are non-VOC samples collected in the correct containers?				
<u>^</u>				
<ol> <li>8. Are non-VOC samples collected in the correct containers?</li> <li>9. Is the appropriate volume/weight or number of sample containers colle ield Label</li> </ol>				
<ul> <li>P. Is the appropriate volume/weight or number of sample containers colle</li> <li><u>leld Label</u></li> <li>Were field sample labels filled out with the minimum information</li> </ul>	cted? Yes			
<ul> <li>P. Is the appropriate volume/weight or number of sample containers colle</li> <li>ield Label</li> <li>Were field sample labels filled out with the minimum information Sample ID?</li> </ul>	cted? Yes Yes			
<ul> <li>9. Is the appropriate volume/weight or number of sample containers collected Label</li> <li>9. Were field sample labels filled out with the minimum information Sample ID?</li> <li>Date/Time Collected?</li> </ul>	cted? Yes Yes Yes			
<ul> <li>Description: Description: Descripti</li></ul>	cted? Yes Yes			
<ul> <li>P. Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID?</li> <li>Date/Time Collected?</li> <li>Collectors name?</li> <li>Ample Preservation</li> </ul>	cted? Yes Yes Yes No			
<ul> <li>P. Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID?</li> <li>Date/Time Collected?</li> <li>Collectors name?</li> <li>ample Preservation</li> <li>I. Does the COC or field labels indicate the samples were preserved</li> </ul>	cted? Yes Yes Yes No			
<ul> <li>Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID?</li> <li>Date/Time Collected?</li> <li>Collectors name?</li> <li>Imple Preservation</li> <li>Does the COC or field labels indicate the samples were preserved?</li> <li>Are sample(s) correctly preserved?</li> </ul>	cted? Yes Yes Yes No ? No			
<ul> <li>P. Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?</li> <li>Ample Preservation</li> <li>Does the COC or field labels indicate the samples were preserved?</li> <li>Are sample(s) correctly preserved?</li> <li>Is lab filteration required and/or requested for dissolved metals?</li> </ul>	cted? Yes Yes Yes No ? No NA			
<ul> <li>Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?</li> <li>Imple Preservation</li> <li>Does the COC or field labels indicate the samples were preserved?</li> <li>Are sample(s) correctly preserved?</li> <li>Is lab filteration required and/or requested for dissolved metals?</li> <li>ultiphase Sample Matrix</li> </ul>	cted? Yes Yes Yes No ? No NA No			
<ul> <li>Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?</li> <li>mple Preservation</li> <li>Does the COC or field labels indicate the samples were preserved?</li> <li>Are sample(s) correctly preserved?</li> <li>Is lab filteration required and/or requested for dissolved metals?</li> <li>ultiphase Sample Matrix</li> <li>Does the sample have more than one phase, i.e., multiphase?</li> </ul>	cted? Yes Yes No ? No NA No No			
Is the appropriate volume/weight or number of sample containers collected Label Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name? mple Preservation Does the COC or field labels indicate the samples were preserved? Are sample(s) correctly preserved? Is lab filteration required and/or requested for dissolved metals? ultiphase Sample Matrix Does the sample have more than one phase, i.e., multiphase? If yes, does the COC specify which phase(s) is to be analyzed?	cted? Yes Yes Yes No ? No NA No			
<ul> <li>P. Is the appropriate volume/weight or number of sample containers collected label</li> <li>D. Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?</li> <li>ample Preservation</li> <li>1. Does the COC or field labels indicate the samples were preserved?</li> <li>2. Are sample(s) correctly preserved?</li> <li>4. Is lab filteration required and/or requested for dissolved metals?</li> <li>Eultiphase Sample Matrix</li> <li>5. Does the sample have more than one phase, i.e., multiphase?</li> <li>7. If yes, does the COC specify which phase(s) is to be analyzed?</li> </ul>	cted? Yes Yes No ? No NA No NA			
<ul> <li>Is the appropriate volume/weight or number of sample containers collected Label</li> <li>Were field sample labels filled out with the minimum information Sample ID? Date/Time Collected? Collectors name?</li> <li>mple Preservation</li> <li>Does the COC or field labels indicate the samples were preserved?</li> <li>Are sample(s) correctly preserved?</li> <li>Is lab filteration required and/or requested for dissolved metals?</li> <li>ultiphase Sample Matrix</li> <li>Does the sample have more than one phase, i.e., multiphase?</li> <li>If yes, does the COC specify which phase(s) is to be analyzed?</li> </ul>	cted? Yes Yes No ? No NA No NA	Subcontract Lab: NA		

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Spur

Project Name:	Harper State #5
Work Order:	E102012
Job Number:	20046-0001
Received:	2/5/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/11/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported. Date Reported: 2/11/21

Natalie Gladden PO Box 1058 Hobbs, NM 88240

Project Name: Harper State #5 Workorder: E102012 Date Received: 2/5/2021 10:12:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/5/2021 10:12:00AM, under the Project Name: Harper State #5.

The analytical test results summarized in this report with the Project Name: Harper State #5 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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#### **Sample Summary**

	Sample Sum	mary		
	Project Name: Project Number: Project Manager:	Harper State #5 20046-0001 Natalie Gladden		<b>Reported:</b> 02/11/21 13:09
Lab Sample ID	Matrix	Sampled	Received	Container
E102012-01A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-02A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-03A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-04A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-05A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-06A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-07A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-08A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-09A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-10A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-11A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-12A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-13A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-14A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-15A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-16A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-17A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
E102012-18A	Soil	02/03/21	02/05/21	Glass Jar, 4 oz.
	E102012-01A E102012-02A E102012-03A E102012-03A E102012-04A E102012-05A E102012-06A E102012-07A E102012-09A E102012-09A E102012-10A E102012-11A E102012-13A E102012-15A E102012-16A E102012-17A	Project Name: Project Number: Project Manager:Lab Sample IDMatrixE102012-01ASoilE102012-02ASoilE102012-02ASoilE102012-03ASoilE102012-04ASoilE102012-05ASoilE102012-06ASoilE102012-07ASoilE102012-08ASoilE102012-09ASoilE102012-10ASoilE102012-11ASoilE102012-12ASoilE102012-13ASoilE102012-14ASoilE102012-15ASoilE102012-16ASoilE102012-17ASoil	Project Name: Project Number: Project Manager:         Harper State #5 20046-0001 Natalie Gladden           Lab Sample ID         Matrix         Sampled           E102012-01A         Soil         02/03/21           E102012-02A         Soil         02/03/21           E102012-03A         Soil         02/03/21           E102012-04A         Soil         02/03/21           E102012-05A         Soil         02/03/21           E102012-05A         Soil         02/03/21           E102012-06A         Soil         02/03/21           E102012-07A         Soil         02/03/21           E102012-08A         Soil         02/03/21           E102012-10A         Soil         02/03/21           E102012-10A         Soil         02/03/21           E102012-11A         Soil         02/03/21           E102012-12A         Soil         02/03/21           E102012-14A         Soil         02/03/21           E102012-15A         Soil         02	Project Number: Project Manager:         20046-0001 Natalie Gladden           Lab Sample ID         Matrix         Sampled         Received           E102012-01A         Soil         02/03/21         02/05/21           E102012-02A         Soil         02/03/21         02/05/21           E102012-03A         Soil         02/03/21         02/05/21           E102012-04A         Soil         02/03/21         02/05/21           E102012-05A         Soil         02/03/21         02/05/21           E102012-05A         Soil         02/03/21         02/05/21           E102012-05A         Soil         02/03/21         02/05/21           E102012-05A         Soil         02/03/21         02/05/21           E102012-07A         Soil         02/03/21         02/05/21           E102012-07A         Soil         02/03/21         02/05/21           E102012-07A         Soil         02/03/21         02/05/21           E102012-07A         Soil         02/03/21         02/05/21           E102012-10A         Soil         02/03/21         02/05/21           E102012-10A         Soil         02/03/21         02/05/21           E102012-13A         Soil         02/03/21



	~					
PO Box 1058	Project Name Project Numl	ber: 2004	per State #5 46-0001 alie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
Hobbs NM, 88240	Project Mana	iger: Nata	life Gladden			2/11/2021 1:09:31PM
		SW1 2'				
		E102012-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
<b>`</b> oluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
-Xylene	ND	0.0250	1	02/05/21	02/08/21	
fotal Xylenes	ND	0.0250	1	02/05/21	02/08/21	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
urrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Dil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
urrogate: n-Nonane		86.0 %	50-200	02/08/21	02/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2107015
Chloride	283	20.0	1	02/09/21	02/10/21	

## Sample Data

## Sample Data

	5	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbo Project Manag	er: 2004	per State #5 46-0001 ilie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW2 7'				
		E102012-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Dil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
Surrogate: n-Nonane		89.8 %	50-200	02/08/21	02/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2107015
Chloride	233	20.0	1	02/09/21	02/10/21	



## Sample Data

		ampie D	ata			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	per State #5 46-0001 Ilie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW3 7'				
		E102012-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/08/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/08/21	
Surrogate: n-Nonane		85.4 %	50-200	02/08/21	02/08/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2107015
Chloride	299	20.0	1	02/09/21	02/10/21	



## Sample Data

	5	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Numb Project Manaş	er: 2004	per State #5 46-0001 ilie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW4 2'				
		E102012-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
o-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		91.2 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2107015
Chloride	232	20.0	1	02/09/21	02/10/21	



## Sample Data

		ampic D				
Spur PO Box 1058	Project Name: Project Numbe	er: 2004	per State #5 46-0001			Reported:
Hobbs NM, 88240	Project Manag	ger: Nata	alie Gladden			2/11/2021 1:09:31PM
		SW5 4'				
		E102012-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Dil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		86.0 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	22.0	20.0	1	02/09/21	02/10/21	



## Sample Data

	5	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	per State #5 46-0001 alie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW6 2'				
		E102012-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	52.9	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		93.2 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	24.0	20.0	1	02/09/21	02/10/21	



## Sample Data

		ampic D	aca			
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Numb Project Manag	er: 2004	per State #5 46-0001 alie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW7 5'				
		E102012-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Toluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Dil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		87.8 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	28.6	20.0	1	02/09/21	02/10/21	



## Sample Data

	D.	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numb Project Manag	er: 2004	per State #5 46-0001 alie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW8 2'				
		E102012-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/08/21	
Foluene	ND	0.0250	1	02/05/21	02/08/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/08/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/08/21	
p-Xylene	ND	0.0250	1	02/05/21	02/08/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/08/21	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/08/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	02/05/21	02/08/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		92.8 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	63.7	20.0	1	02/09/21	02/10/21	



## Sample Data

		ampic D	ata			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbo Project Manag	er: 2004	per State #5 46-0001 alie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
10005 1111, 00240	T Tojeet Wianag					2/11/2021 1.09.5111
		SW9 2'				
		E102012-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	ND	25.0	1	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	ND	50.0	1	02/08/21	02/09/21	
Surrogate: n-Nonane		91.6 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	81.7	20.0	1	02/09/21	02/10/21	



## Sample Data

	D	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	per State #5 46-0001 Ilie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		SW10 2'				
		E102012-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	837	125	5	02/08/21	02/09/21	
Dil Range Organics (C28-C35)	711	250	5	02/08/21	02/09/21	
Surrogate: n-Nonane		112 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2107015
Chloride	ND	20.0	1	02/09/21	02/10/21	



## Sample Data

	50	ampie D	ala			
Spur	Project Name:	-	per State #5			<b>D</b>
PO Box 1058	Project Numbe		46-0001			<b>Reported:</b> 2/11/2021 1:09:31PM
Hobbs NM, 88240	Project Manag	ger: Nata	alie Gladden			2/11/2021 1:09:31PM
		Comp 1				
		E102012-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Foluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	503	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	680	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		109 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2107015
Chloride	35200	200	10	02/09/21	02/10/21	



## Sample Data

		ampic D	ata			
Spur PO Box 1058	Project Name: Project Numb		Harper State #5 20046-0001			<b>Reported:</b> 2/11/2021 1:09:31PM
Hobbs NM, 88240	Project Manager: Natalie Gladden					
		Comp 2				
		E102012-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2106040	
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2106040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2107003
Diesel Range Organics (C10-C28)	5240	500	20	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	3000	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		117 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2107015	
Chloride	33300	200	10	02/09/21	02/10/21	


### Sample Data

		ampic D	ata			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numb Project Manag	er: 2004	Harper State #5 20046-0001 Natalie Gladden		<b>Reported:</b> 2/11/2021 1:09:31PM	
		Comp 3				
		E102012-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
p,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	5990	500	20	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	3880	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		112 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2107015
Chloride	20200	100	5	02/09/21	02/10/21	



### Sample Data

			ara			
Spur PO Box 1058	Project Name: Project Numbe		per State #5 46-0001			Reported:
Hobbs NM, 88240	Project Manager: Na		alie Gladden		2/11/2021 1:09:31PM	
		Comp 4				
		E102012-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Foluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	1760	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	1350	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		110 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2107015
Chloride	13800	100	5	02/09/21	02/10/21	



## Sample Data

		imple D				
Spur	Project Name:		per State #5			
PO Box 1058	Project Numbe		46-0001		Reported:	
Hobbs NM, 88240	Project Manag	er: Nata	alie Gladden			2/11/2021 1:09:31PM
		Comp 5				
	-	E102012-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Foluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
o-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	2320	500	20	02/08/21	02/09/21	
Dil Range Organics (C28-C35)	2080	1000	20	02/08/21	02/09/21	
Surrogate: n-Nonane		114 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2107015
Chloride	29700	200	10	02/09/21	02/10/21	



### Sample Data

		ampic D	ata			
Spur PO Box 1058	Project Name:		per State #5 46-0001			Dementede
Hobbs NM, 88240	Project Number Project Manag		ilie Gladden	<b>Reported:</b> 2/11/2021 1:09:31PM		
10005 111, 002 10	110jeet Munug	,or. 1444				
		Comp 6				
		E102012-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	9070	2500	100	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	6660	5000	100	02/08/21	02/09/21	
Surrogate: n-Nonane		161 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2107015
Chloride	32800	200	10	02/09/21	02/10/21	



### Sample Data

	D.	ampic D	ala			
Spur PO Box 1058 Hobbs NM, 88240	Project Name: Project Numbe Project Manag	er: 2004	Harper State #5 20046-0001 Natalie Gladden		<b>Reported:</b> 2/11/2021 1:09:31PM	
		Comp 7				
		E102012-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2106040	
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Fotal Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	3800	250	10	02/08/21	02/09/21	
Oil Range Organics (C28-C35)	2660	500	10	02/08/21	02/09/21	
Surrogate: n-Nonane		112 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2107015
Chloride	17100	100	5	02/09/21	02/10/21	

### Sample Data

	<b>D</b>	ampic D	utu			
Spur PO Box 1058 Hobbs NM, 88240	Project Name Project Numb Project Manas	er: 2004	per State #5 46-0001 Ilie Gladden			<b>Reported:</b> 2/11/2021 1:09:31PM
		Comp 8 E102012-18				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2106040
Benzene	ND	0.0250	1	02/05/21	02/09/21	
Toluene	ND	0.0250	1	02/05/21	02/09/21	
Ethylbenzene	ND	0.0250	1	02/05/21	02/09/21	
o,m-Xylene	ND	0.0500	1	02/05/21	02/09/21	
p-Xylene	ND	0.0250	1	02/05/21	02/09/21	
Total Xylenes	ND	0.0250	1	02/05/21	02/09/21	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: RKS			Batch: 2106040
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/21	02/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	02/05/21	02/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2107003
Diesel Range Organics (C10-C28)	983	125	5	02/08/21	02/09/21	
Dil Range Organics (C28-C35)	925	250	5	02/08/21	02/09/21	
Surrogate: n-Nonane		111 %	50-200	02/08/21	02/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2107015
Chloride	18100	100	5	02/09/21	02/10/21	

# **QC Summary Data**

	<b>x</b> 0 0 0			-				
	Project Name:	Н	Iarper State #5					Reported:
	Project Number:	2	0046-0001					-
	Project Manager:	Ν	Vatalie Gladden					2/11/2021 1:09:31PM
	Volatile O	rganics	by EPA 802	1B				Analyst: RKS
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
					Pre	pared: 02/(	)5/21 Ana	lyzed: 02/09/21
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
ND	0.0250							
7.80		8.00		97.5	70-130			
					Pre	pared: 02/(	)5/21 Ana	lyzed: 02/08/21
4.82	0.0250	5.00		96.4	70-130			
4.98	0.0250	5.00		99.6	70-130			
4.79	0.0250	5.00		95.9	70-130			
9.78	0.0500	10.0		97.8	70-130			
4.97	0.0250	5.00		99.3	70-130			
14.7	0.0250	15.0		98.3	70-130			
8.03		8.00		100	70-130			
			Sour	ce: E102	012-01 Pre	pared: 02/(	)5/21 Ana	lyzed: 02/08/21
4.92	0.0250	5.00	ND	98.4	54-133			
5.09	0.0250	5.00	ND	102	61-130			
4.89	0.0250	5.00	ND	97.9	61-133			
9.97	0.0500	10.0	ND	99.7	63-131			
5.07	0.0250	5.00	ND	101	63-131			
15.0	0.0250	15.0	ND	100	63-131			
8.15		8.00		102	70-130			
			Sour	ce: E102	012-01 Pre	pared: 02/0	)5/21 Ana	lyzed: 02/08/21
4.96	0.0250	5.00	ND	99.2	54-133	0.873	20	
5.11	0.0250	5.00	ND	102	61-130	0.479	20	
4.93	0.0250	5.00	ND	98.5	61-133	0.664	20	
10.0	0.0500	10.0	ND	100	63-131	0.572	20	
5.10	0.0250	5.00	ND	102	63-131	0.592	20	
5.10	0.0250			102				
	ND ND ND ND ND ND 7.80 4.82 4.98 4.79 9.78 4.97 14.7 8.03 4.92 5.09 4.89 9.97 5.07 15.0 8.15 8.15 4.96 5.11 4.93 10.0	Project Name: Project Number: Project Manager:       Volatile O       Result mg/kg     Reporting Limit mg/kg       ND     0.0250       7.80	Project Name:     F       Project Number:     2       Project Manager:     N       Volatile Organics       Result     Reporting mg/kg     Spike Level mg/kg       ND     0.0250       S.00     5.00       4.82     0.0250     5.00       4.93     0.0250     5.00       4.92     0.0250     5.00       4.92     0.0250     5.00       5.09     0.0250     5.00       4.92     0.0250     5.00	Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 802:       Result     Spike     Source       Result     Limit     Level     Result       mg/kg     mg/kg     mg/kg     mg/kg       ND     0.0250     ND       ND     0.0250     ND       ND     0.0250     ND       ND     0.0250     VOID       ND     0.0250     S.00       ND     0.0250     S.00       4.82     0.0250     S.00       4.92     0.0250     S.00       9.78     0.0500     I.00       4.97     0.0250     S.00       8.03     8.00     S.00       4.92 <t< td=""><td>Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec       ND     0.0250     ND     0.0250       ND     0.0250     Solo     96.4       4.82     0.0250     5.00     99.6       4.79     0.0250     5.00     99.3       14.7     0.0250     5.00     99.3       14.7     0.0250     5.00     ND       4.92     0.0250     5.00     ND       4.92     0.0250</td><td>Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec Mag/kg     Rec mg/kg     Rec mg/kg</td></t<> <td>Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting Limit     Spike Level     Source Result     Rec Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250    </td> <td>Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec %     Limit %     RPD %     Limit %     RPD %     Limit %     RPD %     Limit %     RPD %     Limit %</td>	Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec       ND     0.0250     ND     0.0250       ND     0.0250     Solo     96.4       4.82     0.0250     5.00     99.6       4.79     0.0250     5.00     99.3       14.7     0.0250     5.00     99.3       14.7     0.0250     5.00     ND       4.92     0.0250     5.00     ND       4.92     0.0250	Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec Mag/kg     Rec mg/kg     Rec mg/kg	Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting Limit     Spike Level     Source Result     Rec Limits     RPD       mg/kg     mg/kg     mg/kg     mg/kg     %     %     %       ND     0.0250	Project Name:     Harper State #5       Project Number:     20046-0001       Project Manager:     Natalie Gladden       Volatile Organics by EPA 8021B       Result     Reporting mg/kg     Spike mg/kg     Source mg/kg     Rec %     Limit %     RPD %     Limit %     RPD %     Limit %     RPD %     Limit %     RPD %     Limit %



## **QC Summary Data**

		QU D		ary Data	•				
Spur PO Box 1058		Project Name: Project Number:	2	Harper State #5 20046-0001					Reported:
Hobbs NM, 88240		Project Manager:	N	Vatalie Gladden					2/11/2021 1:09:31PM
	No	nhalogenated C	Organics	by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2106040-BLK1)						Pre	pared: 02/0	)5/21 Anal	yzed: 02/09/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.9	70-130			
LCS (2106040-BS2)						Pre	pared: 02/0	)5/21 Anal	yzed: 02/08/21
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			
Matrix Spike (2106040-MS2)				Sourc	ce: E102	012-01 Pre	pared: 02/0	)5/21 Anal	yzed: 02/08/21
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike Dup (2106040-MSD2)				Source	ce: E102	012-01 Pre	pared: 02/0	05/21 Anal	yzed: 02/08/21
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	1.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			



## **QC Summary Data**

		$\chi \cup \gamma$		ing Dutt	•				
Spur PO Box 1058 Hobbs NM, 88240		Project Name: Project Number: Project Manager:	20	arper State #5 )046-0001 atalie Gladden					<b>Reported:</b> 2/11/2021 1:09:31PM
	Nonha	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2107003-BLK1)						Pre	pared: 02/0	08/21 Ana	lyzed: 02/08/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	46.7		50.0		93.4	50-200			
LCS (2107003-BS1)						Pre	pared: 02/0	08/21 Ana	lyzed: 02/08/21
Diesel Range Organics (C10-C28)	479	25.0	500		95.7	38-132			
Surrogate: n-Nonane	42.7		50.0		85.3	50-200			
Matrix Spike (2107003-MS1)				Sour	ce: E102(	012-07 Pre	pared: 02/0	08/21 Ana	lyzed: 02/08/21
Diesel Range Organics (C10-C28)	512	25.0	500	ND	102	38-132			
Surrogate: n-Nonane	42.9		50.0		85.8	50-200			
Matrix Spike Dup (2107003-MSD1)				Sour	ce: E1020	012-07 Pre	pared: 02/0	08/21 Ana	lyzed: 02/08/21
Diesel Range Organics (C10-C28)	518	25.0	500	ND	104	38-132	1.20	20	
Surrogate: n-Nonane	44.7		50.0		89.3	50-200			



### **QC Summary Data**

		L L		•					
Spur		Project Name:	Н	arper State #5					Reported:
PO Box 1058		Project Number:	20	0046-0001					•
Hobbs NM, 88240		Project Manager:	N	atalie Gladden					2/11/2021 1:09:31PM
		Anions	by EPA 3	300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2107015-BLK1)						Pre	pared: 02/0	09/21 Ana	lyzed: 02/10/21
Chloride	ND	20.0							
LCS (2107015-BS1)						Pre	pared: 02/0	09/21 Ana	lyzed: 02/10/21
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2107015-MS1)				Sour	ce: E102	012-01 Pre	pared: 02/0	09/21 Ana	lyzed: 02/10/21
Chloride	522	20.0	250	283	95.5	80-120			
Matrix Spike Dup (2107015-MSD1)				Sour	ce: E102	012-01 Pre	pared: 02/0	09/21 Ana	lyzed: 02/10/21
Chloride	523	20.0	250	283	96.0	80-120	0.243	20	

QC Summary Report Comment:

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



ſ	Spur	Project Name:	Harper State #5	
	PO Box 1058	Project Number:	20046-0001	Reported:
	Hobbs NM, 88240	Project Manager:	Natalie Gladden	02/11/21 13:09

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project	Information	

roject Information	Chain of Cust	tody							sta	der	1	Page _/ of
Project Manager: Brandy Marker /Natale Add	Bill To ntion: ESS ress: 7 W Compress Rd State, Zip Artesia, NM			NO#	201	2	200	ly Number			RCRA	PA Program CWA SDWA
City, State, Zip Phone   Phone: Email:   Seport due by: Email	ne:		DRO/ORO by 8015	GRO/DRO by 8015				300.0		TX		NM CO UT AZ   × - -   TX OK -
Time Date Matrix No Sampled Sampled Matrix Containers Sample ID	1.000 400	Lab umber	DRO/OF	GRO/DF	BTEX by 8021	VOC by 8260	Metals 6010	Chloride	BGDOC - NM	BGDOC - TX		Remarks
38 2/3 S 1 5W/ Z'		1							х			
0:08 2/3 5 1 SWZ 7	/	2							1			
as 2/3 5 1 5W3 7	1	3							1			
11:13 Z/3 S 1 SW4 Z	1	4							1			
":35 2/3 5 1 SW5 4"	(	5							1			
12:05 2/3 5 1 Julo 2	1	6	2						V			
9:05 2/3 5 1 SW75'		7							1			
":52 1/3 5 1 DW8 Z'		8							1			
":20 Z/3 5 1 JW9 Z'		9							1			
P:55 2/3 5 1 JW10 Z	i	10							1			
Additional Instructions:									2			
(field sampler), attest to the validity and authenticity of this sample. I am aware that tamperin ime of collection is considered fraud and may be grounds for legal action. Sampled by:	ng with or intentionally mislabelling the sample location,	n, date or					S1211012-01-02	requiring thermal pre I packed in ice at an av				ne day they are sampled or n subsequent days.
		te 2.4.2	21	Time	301	0	Rece	eived on ice:		ab Us	e Only	
Relinquished by: (Signature) Date Time 2:4.21 1/440	Received by: (Signature)		21	Time	:x	C	T1		<u>T2</u>			<u>T3</u>
Refinquished by: (Signature) Date Time	Received by: (Signature) Dat	ite		Time			AVG	Temp °C	4			
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						<b>p</b> - pc	oly/pl	astic, ag - am				
Note: Samples are discarded 30 days after results are reported unless other arrange only to those samples received by the laboratory with this COC. The liability of the			ent or	dispose	ed of a	t the c	lient e	xpense. The repo	ort for th	ne analy	sis of the ab	oove samples is applicable

Page Z of Conve

Clien	t: S	pur	11			24	12		Bi	ll To	100			(). Antipility	La	ıb Us			and the				TAT	di 17.		EPA Pr	ogran
Proje	ct: Harfe	Tr St	alg.	#5	11			ention:		SS	<u>XAL</u>		Lab	WO#	~	2	Job	Num	ber	10	21	D 3	D	Standar	d	CWA	SDW
		er: <b>Bi</b> e	way	MOU	aer		- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	dress:		Compress R	<u>d</u>		E ((	Ca	DI			046	-	U				-	-		
Addr City	ess: State, Zip						1.12	<u>, State, Zi</u> ne:		rtesia, NM							Analy	sis ar	nd Meth	nod	-				-		RCR
Phor							Em		Nat	alie Gladde	n		15	2										Station of the		State	
Emai		Natali	e Glad	lden							1		y 80:	y 8015	11	0	0	0.0						NM		UT AZ	TX
Repo	rt due by:					Sin							RO b	RO b	y 8021	/ 826	6010	le 30		NN.		×-		×			
Tirr Samp	led Samp	I M	atrix	No. of Containers	Sample I	D					6203553	Lab umber	DRO/ORO by 8015	GRO/DRO by	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NIM		BGUUC -			F	Remarks	
	2/3	3	S	1	Ca	mp	1	ж.			1	1.1								>	(					- 17	
	2/	3 5	1	1	Co	mp	Z	•			1	12								/	•						
	2/	3 3	5	1	Cor	np	3				1	3								/	-						
	2/3	3 5	5	1	Cor	np	4				1	14								/	1						
	3/	3 3	1	1	Cor	np	5					15	-							1	-						
	2/3	3	7	i	Loi	np	6		4		1	16								/	1						
	75	5		i	Co	mp	7				1	7				-				1	•						
	2/3	5	7	1	Cor	np	8				1	8								1	-						
		13	V	18g	-	I														3							
	192			W	-																						
l	tional Inst	13																									
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4	uished by: [	1	_	Date	4/2/	Time		Received t	L	2 A	Date Z	:4.2	1		200	>	Rece	eived	on ice		Y/	Use ( N	Jnly				
2	uished by: (	25	A	Date Date	4.21	Time ICo Time	40	CAR	oy: (Signatu oy: (Signatu	JAA	Date	15/2	21	Time Time	:2	0	<u>T1</u>			<u></u>				<u>T3</u>			
1	wished by: (							Received	oy: (Signatu	ire) —							and the particular	Tem		4							
	Matrix: S - So								onto	ada Usasi									ag - am								
										ade. Hazardo y of the labora										lient e	xpens	ie. Th	e repo	ort for the	analys	sis of the a	above

### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Spur D	ate Received:	02/05/21	00:00	Work Order ID:	E102012
Phone:	-		02/03/21		Logged In By:	Alexa Michaels
Email:		ate Logged In: ue Date:		17:00 (4 day TAT)	Logged in By:	Alexa Michaels
	f Custody (COC)					
	the sample ID match the COC?	4.000	Yes			
	the number of samples per sampling site location match	the COC	Yes			
	samples dropped off by client or carrier?	1 1 0	Yes	Carrier: FedEx		
	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
	minutes of sampling					
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	s collected?	Yes			
<u>Field La</u>	<u>bel</u>					
	e field sample labels filled out with the minimum inform	nation:				
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation		110			
	the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved met	als?	No			
<u>Mu</u> ltiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	2	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
<u>Subcon</u> t	ract Laboratory_					
	samples required to get sent to a subcontract laboratory	2	No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
	Instruction					



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### HARPER STATE REMEDIATION AND FINAL SITE PHOTOS









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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>80'</u> (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 <b>not</b> 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

 $\boxtimes$  Data table of soil contaminant concentration data

 $\overrightarrow{\square}$  Depth to water determination

Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

Topographic/Aerial maps

Laboratory data including chain of custody

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

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		Facility ID	
		Application ID	
regulations all operators public health or the envi failed to adequately invo addition, OCD acceptan and/or regulations. Printed Name: <u>Natal</u> Signature: <u>Corrected</u> email: <u>natalie@energe</u>	information given above is true and complete to the best of my kn are required to report and/or file certain release notifications and ronment. The acceptance of a C-141 report by the OCD does not estigate and remediate contamination that pose a threat to groundw ce of a C-141 report does not relieve the operator of responsibility ie Gladden Title: Director of Environmental and Date: <u>41</u> gystaffingllc.com Telephone: <u>575-390-6</u>	perform corrective actions for releases whi relieve the operator of liability should thei vater, surface water, human health or the er of for compliance with any other federal, sta <u>Regulatory</u>	ich may endanger r operations have nvironment. In
OCD Only Received by:	Dat	te:	

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# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan. Detailed description of proposed remediation technique  $\square$ 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. Title: Director of Environmental and Regulatory Printed Name: Natalie Gladden ladden Date: 4/15/21 Signature: email: natalie@energystaffingllc.com Telephone: 575-390-6397 **OCD Only** Received by: Date: Deferral Approved Approved Approved with Attached Conditions of Approval Denied Signature: Date:

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# Closure

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

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 Environm	ental and Regulatory
Signature: Autorice	ladden	Date: 4/15/21
email: <u>natalie@energystaffingllc.com</u>	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:

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Application ID	

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# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan. Detailed description of proposed remediation technique  $\square$ 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)  $\times$ 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. Title: Director of Environmental and Regulatory Printed Name: Natalie Gladden adden Date: 4/15/21 Signature: email: natalie@energystaffingllc.com Telephone: 575-390-6397 **OCD Only** Date: 8/11/2021 Received by: Robert Hamlet Approved Approved with Attached Conditions of Approval Denied X Deferral Approved Robert Hamlet 8/11/2021 Signature: Date:

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
Spur Energy Partners LLC	328947
9655 Katy Freeway	Action Number:
Houston, TX 77024	24199
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
	Spur Energy requests to complete final remediation of soil sample locations "SP1" through "SP18" and all contaminants adjacent to and/or underneath the on-site storage tanks and/or associated pipes and appurtenances during any future major deconstruction/alteration and/or abandonment, whichever occurs first. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a State site and will require like approval from SLO.	8/11/2021

Action 24199