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## Remediation and Closure Report

Samuel Smith BIY Federal #1  
Eddy County, New Mexico  
30-015-32581  
Incident #nAPP2113730351

### Prepared For:

EOG RESOURCES  
104 S. 4<sup>th</sup> Street  
Artesia, NM 88210

### Prepared By:

TALON/LPE  
408 W. Texas Avenue  
Artesia, New Mexico 88210

**September 14, 2021**



Mike Bratcher  
**NMOCD**  
1301 W. Grand Avenue  
Artesia, NM 88210

Jim Amos  
**BLM**  
620 E. Greene St.  
Carlsbad, NM 88220

Subject: **Remediation and Closure Report**  
Samuel Smith BIY Federal #1  
Eddy County, NM  
API 30-015-32581  
**Incident #nAPP2113730351**

Dear Mr. Bratcher and Mr. Amos,

EOG Resources has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request are presented herein.

### Site Information

The Samuel Smith BIY Federal #1 is located approximately 20 miles southwest of Carlsbad, New Mexico. The legal location for this release is Unit Letter I, Section 32, Township 23 South and Range 24 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.25683 North and -104.51506 West. Site maps are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Ector extremely rocky loam, 9 to 25 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology is made up of the Seven Rivers Formation, Guadalupian in age and comprised of gypsum, anhydrite, salt, dolomite and siltstone. Drainage courses in this area are typically well drained.

### Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 90-feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater data. However, further research of the Bureau of Land Management Karst data indicates this site is located within a high potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs. in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	90 Feet/BGS
----------------------------------	-------------

- |   |   |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 200 feet of any lakebed, sinkhole or a playa lake  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes                                 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 1000 feet of any freshwater well or spring   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of a wetland  |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within the area overlying a subsurface mine   |
| <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Within an unstable area   |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within a 100-year floodplain  |

Because the release occurred in a high potential karst area, the clean up criteria for this site therefore is as follows.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

According to the Initial C-141 ([Appendix III](#)), on May 10, 2021, during the plugging operations it was discovered that a bull plug on an upright brine water tank was leaking. The repairs were made on the tank and all impacted soils were scraped up for disposal at an NMOCD approved facility. The site map is presented in [Appendix I](#).

## Site Assessment

On May 17, 2021, Talon mobilized personnel to the site and conducted an initial site assessment. The spill area was hand augured at six (6) sample positions. Due to the hard rock present, hand auger refusal was encountered at all sample locations. Additionally, four (4) background samples were collected in order to confirm the horizontal extent of the impacted area. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M) and BTEX (EPA Method 8021B). Sample locations are shown on the attached site assessment map and the results of our sampling event are presented in the following data table.

**Table I**  
*05-26-21 Soil Sample Laboratory Results*

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S-1	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	19000
S-2	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	22000
S-3	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	17000
S-4	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	2700
S-5	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	130
S-6	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	2400
BG-1	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	140
BG-2	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	260
BG-3	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	330
BG-4	5/17-2021	0'-R	ND	ND	ND	ND	ND	-	840

R=Auger Refusal

ND-Analyte Not Detected

BG=Background

See [Appendix V](#) for the complete report of laboratory results.

Based on the laboratory results from the initial site assessment, on June 04, 2021, Talon personnel and equipment mobilized to the site in order to commence remediation of the impacted area. Approximately 1 to 2-feet bgs. was excavated. Sidewalls were advanced to the extent that field titration testing indicted chloride concentrations were below the NMOCD remediation level criteria. Composite soil samples from the bottom and sidewalls of the excavated area were collected and transported to Hall Laboratories in order to confirm that NMOCD clean up criteria had been achieved. The confirmation sample results from the laboratory are tabulated below for review and the sample locations are illustrated on the attached confirmation sample map in [Appendix I](#).

**Table II**  
**06-09-21 Soil Sample Laboratory Results**

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
<b>NMOCD Table 1 Closure Criteria 19.15.29 NMAC</b>			<b>50 mg/kg</b>	<b>10 mg/kg</b>	<b>DRO + GRO combined = 100 mg/kg</b>			<b>100 mg/kg</b>	<b>600 mg/kg</b>
S-1	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	350
S-2	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	320
S-3	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	530
S-4	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	590
	6/4/2021	2'	ND	ND	ND	ND	ND	-	99
S-6	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	560
S-7	6/8/2021	1'	ND	ND	ND	ND	ND	-	ND
S-8	6/8/2021	1'	ND	ND	ND	ND	ND	-	68
S-9	6/8/2021	1'	ND	ND	ND	ND	ND	-	580
S-10	6/8/2021	1'	ND	ND	ND	ND	ND	-	610
	6/8/2021	2'	ND	ND	ND	ND	ND	-	160
S-11	6/8/2021	1'	ND	ND	ND	ND	ND	-	400
S-12	6/8/2021	1'	ND	ND	ND	ND	ND	-	430
S-13	6/8/2021	1'	ND	ND	ND	ND	ND	-	310
S-14	6/8/2021	1'	ND	ND	ND	ND	ND	-	210
S-15	6/8/2021	1'	ND	ND	ND	ND	ND	-	230
S-16	6/8/2021	1'	ND	ND	ND	ND	ND	-	310
E-SW	6/4/2021	0'-1'	ND	ND	ND	18	ND	18	330
W-WS	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	66
N-SW	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	160
S-SW	6/4/2021	0'-1'	ND	ND	ND	ND	ND	-	100
BG-4A	6/4/2021	0'	ND	ND	ND	ND	ND	-	ND

ND-Analyte Not Detected

BG=Background

SW=Sidewall

See [Appendix V](#) for the complete report of laboratory results.

## Remedial Actions

- The spill footprint was vertically excavated to depths of 1 to 2-feet bgs. and horizontally extended until NMOCD remediation guidelines had been achieved.
- Fresh caliche was used to backfill the location. The work area was machine compacted and restored to surrounding grade as can be seen in the attached photo documentation section ([Appendix IV](#)).
- All contaminated soil was transported to Lea Land, LLC, an NMOCD approved disposal facility.
- Copies of the initial and final C-141 Forms are presented in [Appendix III](#).

## Closure

Based on this site characterization, completed remedial actions and confirmation sampling analytical results, we respectfully request that no further actions be required and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE

Rebecca  
Pons

Digitally signed by Rebecca Pons  
DN: cn=Rebecca Pons, o=Talon LPE,  
ou=Artesia,  
email=rppons@talonlpe.com, c=US  
Date: 2021.06.29 16:26:12 -0600

Rebecca Pons  
Senior Environmental Project Manager

David J.  
Adkins

Digitally signed by David J. Adkins  
DN: cn=David J. Adkins,  
o=Regional Manager, ou=Talon/  
LPE,  
email=dadkins@talonlpe.com,  
c=US  
Date: 2021.06.29 16:22:13 -0600

David J. Adkins  
Regional Manager

### Attachments:

- Appendix I Site Maps, Topographic Map, Karst Map
- Appendix II Groundwater Data, Soil Survey
- Appendix III Initial and Final C-141's
- Appendix IV Photo Documentation
- Appendix V Laboratory Analytical Data



# APPENDIX I

## SITE MAPS



# Sam Smith Fed #001

EOG Resources Inc.  
API# 30-015-32581  
Eddy County, NM  
Site Assessment Map

## Legend

- Sample Point
- Spill Area

BG-2 S-6  
S-5 BG-1  
S-4 S-2 S-3  
BG-3 S-1 BG-4

Sam Smith Fed 1



**Sam Smith Fed #001**

EOG Resources Inc  
API # 30-015-32581  
Eddy County, NM  
Confirmation Sample Map

**Legend**

- Sample Point
- Spill Area





**Sam Smith Fed #001**

EOG Resources Inc.  
API# 30-015-32581  
Eddy County, NM  
Karst Map

**Legend**

- High
- Low
- Medium
- Sam Smith Fed 1





**EOG Resources Sam Smith Fed. #1**

Eddy County  
API 30-015-32581

TOPO Map

**Legend**

- EOG Sam Smith Fed #1
- Polygon 1







## APPENDIX II

# SOIL SURVEY, GROUNDWATER DATA

Map Unit Description: Ector extremely rocky loam, 9 to 25 percent slopes---Eddy Area, New Mexico

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## Eddy Area, New Mexico

### EE—Ector extremely rocky loam, 9 to 25 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w4c

*Elevation:* 1,600 to 4,800 feet

*Mean annual precipitation:* 10 to 18 inches

*Mean annual air temperature:* 58 to 66 degrees F

*Frost-free period:* 195 to 240 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Ector and similar soils:* 98 percent

*Minor components:* 2 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ector

##### Setting

*Landform:* Hills, ridges

*Landform position (two-dimensional):* Backslope, footslope, shoulder, toeslope

*Landform position (three-dimensional):* Crest, nose slope, side slope, head slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from limestone

##### Typical profile

*H1 - 0 to 6 inches:* very cobbly loam

*H2 - 6 to 60 inches:* bedrock

##### Properties and qualities

*Slope:* 9 to 25 percent

*Depth to restrictive feature:* 4 to 20 inches to lithic bedrock

*Drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately low to high (0.06 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 60 percent

*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water capacity:* Very low (about 0.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

Map Unit Description: Ector extremely rocky loam, 9 to 25 percent slopes---Eddy Area, New Mexico

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*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: D*  
*Ecological site: R070DY151NM - Limestone Hills*  
*Hydric soil rating: No*

#### **Minor Components**

##### **Rock outcrop**

*Percent of map unit: 1 percent*  
*Hydric soil rating: No*

##### **Ector**

*Percent of map unit: 1 percent*  
*Ecological site: R070DY158NM - Very Shallow*  
*Hydric soil rating: No*

### **Data Source Information**

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



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned,

C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 6	Q 4	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 02155</a>	C	ED		3	4	33	23S	24E			546992	3568808*	1367	307	90	217
<a href="#">C 02341</a>	C	ED		4	4	2	29	23S	24E		545869	3571111*	2105	200		
<a href="#">C 01301</a>	C	ED		3	2	29	23S	24E			545368	3571208*	2207	202	170	32
<a href="#">C 01826</a>	C	ED		4	1	28	23S	24E			547017	3570815	2263	1320	663	657
<a href="#">C 02247</a>	C	ED		4	09		24S	24E			547215	3565831*	3554	300	115	185
<a href="#">C 01555</a>	C	ED		3	3	02	24S	24E			549427	3567240*	4182	380	250	130
<a href="#">C 02363</a>	CUB	ED		1	1	1	11	24S	24E		549321	3566942*	4225	300		
<a href="#">RA 10195</a>	RA	ED		3	1	3	25	23S	23E		541298	3570677*	4648	336		
<a href="#">C 02372</a>	CUB	ED		4	3	2	02	24S	24E		550318	3567938*	4800	300		
<a href="#">L 14949 POD1</a>	L	LE		3	3	3	03	18S	38E		550464	3567840	4965	200		

Average Depth to Water: **257 feet**

Minimum Depth: **90 feet**

Maximum Depth: **663 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 545640.63

Northing (Y): 3569017.5

Radius: 5000

\*UTM location was derived from PLSS - see Help

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

6/9/21 1:54 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER





## APPENDIX III

### C-141 Forms

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

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

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

Incident ID	nAPP2113730351
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4 <sup>th</sup>	

### Location of Release Source

Latitude 32.25697 Longitude -104.51554  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Samuel Smith BIY Federal Com #1	Site Type: Well Pad
Date Release Discovered: 5/10/2021	API# 30-015-32581

Unit Letter	Section	Township	Range	County
I	32	23S	24E	Eddy

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released	Volume Recovered (Unknown)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Brine Water	Volume/Weight Released: 23 bbls	Volume/Weight Recovered: 0 bbls

#### Cause of Release

During plugging operations it was discovered that a bull plug on an upright brine water tank was leaking, repairs made on tank and impacted soils (approximate area, 30' X 90') were scraped up for disposal.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2113730351
District RP	
Facility ID	
Application ID	

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

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### Initial Response

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

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


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

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

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

Printed Name: Robert Asher

Title: Environmental Supervisor

Signature: 

Date: 5-17-2021

email: bob\_asher@eogresources.com

Telephone: 575-748-4217

#### OCD Only

Received by: Ramona Marcus

Date: 5/18/2021

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 28487

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	28487	Action Type:	C-141
OCD Reviewer									Condition
marcus									None

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2113730351
District RP	
Facility ID	
Application ID	

## Closure

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


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

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

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

Printed Name: Robert Asher

Title: Environmental Supervisor

Signature: 

Date: 10-19-2021

email: [bob\\_asher@eogresources.com](mailto:bob_asher@eogresources.com)

Telephone: 575-748-4217

**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: 01/31/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A



## APPENDIX IV

# PHOTOGRAPHIC DOCUMENTATION



## EOG Resources Inc., Samuel Smith BIY Fed. #1

## PHOTO DOCUMENTATION



Impacted Area Looking South



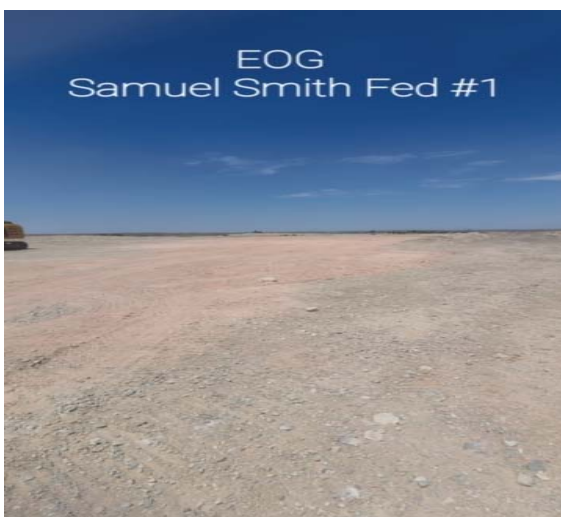
Impacted Area Looking Northeast



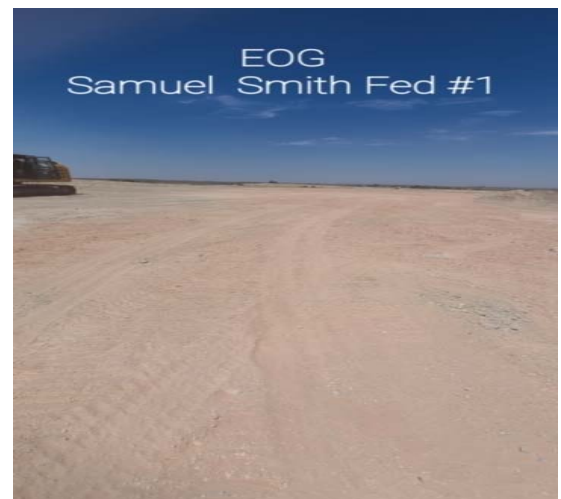
Excavated Area-South Sidewall



Excavated Area-North Sidewall S4



Backfilled Excavation



Pad Area Restored to Grade



## APPENDIX V

# LABORATORY DATA





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

May 26, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Samuel Smith Fed Com 1

OrderNo.: 2105800

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 10 sample(s) on 5/19/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:00:00 AM

Lab ID: 2105800-001

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	19000	600		mg/Kg	200	5/21/2021 7:32:11 AM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/21/2021 9:14:27 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 9:14:27 AM	60148
Surr: DNOP	109	70-130		%Rec	1	5/21/2021 9:14:27 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/20/2021 12:56:08 PM	60139
Surr: BFB	98.6	70-130		%Rec	1	5/20/2021 12:56:08 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/20/2021 12:56:08 PM	60139
Toluene	ND	0.049		mg/Kg	1	5/20/2021 12:56:08 PM	60139
Ethylbenzene	ND	0.049		mg/Kg	1	5/20/2021 12:56:08 PM	60139
Xylenes, Total	ND	0.098		mg/Kg	1	5/20/2021 12:56:08 PM	60139
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	5/20/2021 12:56:08 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:05:00 AM

Lab ID: 2105800-002

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	22000	1500		mg/Kg	500	5/21/2021 7:44:35 AM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/21/2021 9:24:04 AM	60148
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/21/2021 9:24:04 AM	60148
Surr: DNOP	131	70-130	S	%Rec	1	5/21/2021 9:24:04 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/20/2021 2:06:52 PM	60139
Surr: BFB	99.1	70-130		%Rec	1	5/20/2021 2:06:52 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 2:06:52 PM	60139
Toluene	ND	0.048		mg/Kg	1	5/20/2021 2:06:52 PM	60139
Ethylbenzene	ND	0.048		mg/Kg	1	5/20/2021 2:06:52 PM	60139
Xylenes, Total	ND	0.096		mg/Kg	1	5/20/2021 2:06:52 PM	60139
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	5/20/2021 2:06:52 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:10:00 AM

Lab ID: 2105800-003

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	17000	600		mg/Kg	200	5/21/2021 7:57:00 AM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/21/2021 9:33:45 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 9:33:45 AM	60148
Surr: DNOP	109	70-130		%Rec	1	5/21/2021 9:33:45 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/20/2021 2:30:24 PM	60139
Surr: BFB	101	70-130		%Rec	1	5/20/2021 2:30:24 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 2:30:24 PM	60139
Toluene	ND	0.049		mg/Kg	1	5/20/2021 2:30:24 PM	60139
Ethylbenzene	ND	0.049		mg/Kg	1	5/20/2021 2:30:24 PM	60139
Xylenes, Total	ND	0.098		mg/Kg	1	5/20/2021 2:30:24 PM	60139
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	5/20/2021 2:30:24 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:15:00 AM

Lab ID: 2105800-004

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2700	150		mg/Kg	50	5/21/2021 8:09:24 AM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/21/2021 11:02:52 AM	60148
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/21/2021 11:02:52 AM	60148
Surr: DNOP	73.2	70-130		%Rec	1	5/21/2021 11:02:52 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/20/2021 2:54:18 PM	60139
Surr: BFB	98.2	70-130		%Rec	1	5/20/2021 2:54:18 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 2:54:18 PM	60139
Toluene	ND	0.047		mg/Kg	1	5/20/2021 2:54:18 PM	60139
Ethylbenzene	ND	0.047		mg/Kg	1	5/20/2021 2:54:18 PM	60139
Xylenes, Total	ND	0.094		mg/Kg	1	5/20/2021 2:54:18 PM	60139
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	5/20/2021 2:54:18 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:20:00 AM

Lab ID: 2105800-005

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	130	60		mg/Kg	20	5/20/2021 6:24:31 PM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/21/2021 9:43:25 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 9:43:25 AM	60148
Surr: DNOP	77.3	70-130		%Rec	1	5/21/2021 9:43:25 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/20/2021 3:17:56 PM	60139
Surr: BFB	99.6	70-130		%Rec	1	5/20/2021 3:17:56 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/20/2021 3:17:56 PM	60139
Toluene	ND	0.050		mg/Kg	1	5/20/2021 3:17:56 PM	60139
Ethylbenzene	ND	0.050		mg/Kg	1	5/20/2021 3:17:56 PM	60139
Xylenes, Total	ND	0.099		mg/Kg	1	5/20/2021 3:17:56 PM	60139
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	5/20/2021 3:17:56 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:25:00 AM

Lab ID: 2105800-006

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2400	150		mg/Kg	50	5/21/2021 8:21:48 AM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/21/2021 9:53:08 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 9:53:08 AM	60148
Surr: DNOP	95.8	70-130		%Rec	1	5/21/2021 9:53:08 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/20/2021 3:41:30 PM	60139
Surr: BFB	100	70-130		%Rec	1	5/20/2021 3:41:30 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 3:41:30 PM	60139
Toluene	ND	0.049		mg/Kg	1	5/20/2021 3:41:30 PM	60139
Ethylbenzene	ND	0.049		mg/Kg	1	5/20/2021 3:41:30 PM	60139
Xylenes, Total	ND	0.097		mg/Kg	1	5/20/2021 3:41:30 PM	60139
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	5/20/2021 3:41:30 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:40:00 AM

Lab ID: 2105800-007

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	60		mg/Kg	20	5/20/2021 6:49:19 PM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/21/2021 10:02:49 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 10:02:49 AM	60148
Surr: DNOP	103	70-130		%Rec	1	5/21/2021 10:02:49 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/20/2021 4:52:13 PM	60139
Surr: BFB	100	70-130		%Rec	1	5/20/2021 4:52:13 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 4:52:13 PM	60139
Toluene	ND	0.049		mg/Kg	1	5/20/2021 4:52:13 PM	60139
Ethylbenzene	ND	0.049		mg/Kg	1	5/20/2021 4:52:13 PM	60139
Xylenes, Total	ND	0.098		mg/Kg	1	5/20/2021 4:52:13 PM	60139
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	5/20/2021 4:52:13 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:45:00 AM

Lab ID: 2105800-008

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	5/20/2021 7:01:44 PM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/21/2021 10:12:32 AM	60148
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/21/2021 10:12:32 AM	60148
Surr: DNOP	85.9	70-130		%Rec	1	5/21/2021 10:12:32 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/20/2021 5:15:45 PM	60139
Surr: BFB	99.0	70-130		%Rec	1	5/20/2021 5:15:45 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 5:15:45 PM	60139
Toluene	ND	0.048		mg/Kg	1	5/20/2021 5:15:45 PM	60139
Ethylbenzene	ND	0.048		mg/Kg	1	5/20/2021 5:15:45 PM	60139
Xylenes, Total	ND	0.095		mg/Kg	1	5/20/2021 5:15:45 PM	60139
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	5/20/2021 5:15:45 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:50:00 AM

Lab ID: 2105800-009

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	5/20/2021 7:14:08 PM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/21/2021 10:22:16 AM	60148
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/21/2021 10:22:16 AM	60148
Surr: DNOP	56.2	70-130	S	%Rec	1	5/21/2021 10:22:16 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/20/2021 5:39:21 PM	60139
Surr: BFB	99.4	70-130		%Rec	1	5/20/2021 5:39:21 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 5:39:21 PM	60139
Toluene	ND	0.048		mg/Kg	1	5/20/2021 5:39:21 PM	60139
Ethylbenzene	ND	0.048		mg/Kg	1	5/20/2021 5:39:21 PM	60139
Xylenes, Total	ND	0.096		mg/Kg	1	5/20/2021 5:39:21 PM	60139
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	5/20/2021 5:39:21 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2105800

Date Reported: 5/26/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0'R

Project: Samuel Smith Fed Com 1

Collection Date: 5/17/2021 11:55:00 AM

Lab ID: 2105800-010

Matrix: SOIL

Received Date: 5/19/2021 7:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	840	60		mg/Kg	20	5/20/2021 7:26:33 PM	60159
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/21/2021 10:31:58 AM	60148
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/21/2021 10:31:58 AM	60148
Surr: DNOP	67.6	70-130	S	%Rec	1	5/21/2021 10:31:58 AM	60148
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/20/2021 6:02:53 PM	60139
Surr: BFB	96.9	70-130		%Rec	1	5/20/2021 6:02:53 PM	60139
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/20/2021 6:02:53 PM	60139
Toluene	ND	0.049		mg/Kg	1	5/20/2021 6:02:53 PM	60139
Ethylbenzene	ND	0.049		mg/Kg	1	5/20/2021 6:02:53 PM	60139
Xylenes, Total	ND	0.097		mg/Kg	1	5/20/2021 6:02:53 PM	60139
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	5/20/2021 6:02:53 PM	60139

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2105800

26-May-21

Client: Talon Artesia

Project: Samuel Smith Fed Com 1

Sample ID: <b>MB-60159</b>		SampType: <b>MBLK</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>PBS</b>		Batch ID: <b>60159</b>		RunNo: <b>77526</b>						
Prep Date: <b>5/20/2021</b>		Analysis Date: <b>5/20/2021</b>		SeqNo: <b>2752497</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-60159</b>		SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>60159</b>		RunNo: <b>77526</b>						
Prep Date: <b>5/20/2021</b>		Analysis Date: <b>5/20/2021</b>		SeqNo: <b>2752498</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	90	110			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105800

26-May-21

**Client:** Talon Artesia  
**Project:** Samuel Smith Fed Com 1

Sample ID: <b>MB-60148</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60148</b>	RunNo: <b>77563</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/21/2021</b>	SeqNo: <b>2752797</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	70	130			

Sample ID: <b>LCS-60148</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60148</b>	RunNo: <b>77563</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/21/2021</b>	SeqNo: <b>2752798</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	68.9	141			
Surr: DNOP	5.8		5.000		116	70	130			

Sample ID: <b>MB-60164</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60164</b>	RunNo: <b>77604</b>								
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/22/2021</b>	SeqNo: <b>2754502</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7		10.00		97.3	70	130			

Sample ID: <b>LCS-60164</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60164</b>	RunNo: <b>77604</b>								
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/22/2021</b>	SeqNo: <b>2754504</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		88.6	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105800

26-May-21

**Client:** Talon Artesia  
**Project:** Samuel Smith Fed Com 1

Sample ID: <b>mb-60139</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>60139</b>				RunNo: <b>77537</b>					
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>				SeqNo: <b>2752224</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.2	70	130			

Sample ID: <b>lcs-60139</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>60139</b>				RunNo: <b>77537</b>					
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>				SeqNo: <b>2752225</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.6	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: <b>mb-60157</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>60157</b>				RunNo: <b>77587</b>					
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/21/2021</b>				SeqNo: <b>2753626</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.8	70	130			

Sample ID: <b>lcs-60157</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>60157</b>				RunNo: <b>77587</b>					
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/21/2021</b>				SeqNo: <b>2753627</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105800

26-May-21

**Client:** Talon Artesia  
**Project:** Samuel Smith Fed Com 1

Sample ID: <b>mb-60139</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60139</b>	RunNo: <b>77537</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>	SeqNo: <b>2752268</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: <b>LCS-60139</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60139</b>	RunNo: <b>77537</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>	SeqNo: <b>2752269</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.96	0.050	1.000	0	95.7	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: <b>2105800-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-1 0'R</b>	Batch ID: <b>60139</b>	RunNo: <b>77537</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>	SeqNo: <b>2752274</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9662	0	118	76.3	120			
Toluene	1.2	0.048	0.9662	0	124	78.5	120			S
Ethylbenzene	1.2	0.048	0.9662	0	127	78.1	124			S
Xylenes, Total	3.7	0.097	2.899	0	127	79.3	125			S
Surr: 4-Bromofluorobenzene	1.1		0.9662		110	70	130			

Sample ID: <b>2105800-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-1 0'R</b>	Batch ID: <b>60139</b>	RunNo: <b>77537</b>								
Prep Date: <b>5/19/2021</b>	Analysis Date: <b>5/20/2021</b>	SeqNo: <b>2752275</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9497	0	114	80	120	4.77	20	
Toluene	1.1	0.047	0.9497	0	121	80	120	4.62	20	S
Ethylbenzene	1.2	0.047	0.9497	0	123	80	120	4.86	20	S
Xylenes, Total	3.5	0.095	2.849	0	123	80	120	5.21	20	S
Surr: 4-Bromofluorobenzene	1.0		0.9497		108	70	130	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2105800

26-May-21

**Client:** Talon Artesia  
**Project:** Samuel Smith Fed Com 1

Sample ID: <b>mb-60157</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>PBS</b>	Batch ID: <b>60157</b>				RunNo: <b>77587</b>					
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/21/2021</b>				SeqNo: <b>2753689</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

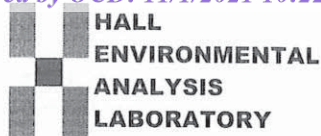
Sample ID: <b>LCS-60157</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8021B: Volatiles</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>60157</b>				RunNo: <b>77587</b>					
Prep Date: <b>5/20/2021</b>	Analysis Date: <b>5/21/2021</b>				SeqNo: <b>2753690</b>	Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		113	70	130			

### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2105800

RcptNo: 1

Received By: Juan Rojas

5/19/2021 7:28:00 AM

*Juan Rojas*

Completed By: Cheyenne Cason

5/19/2021 8:06:07 AM

*Cason*

Reviewed By:

*JR 5/19/21*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *KPG 5/19/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.0	Good				

# Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 4-Day

☐ Standard ☐ Rush

Project Name:

Samuel Smith Fed Com 1 (SAM1)

Project #:

700438.250.01

Project Manager:

R. Pons

Sampler: J. Carnes

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.7-0.2 = 0

Container Type and #

Preservative Type

HEAL No.

2105800

Glass Jar

Ice/Cool

001

002

003

004

005

006

007

008

009

010

Date: 5/16/21

Time: 820

Relinquished by: James Cox

Relinquished by: James Cox

Received by: James Cox

Via: courier

Date: 5/18/21

Time: 820

Remarks: Needs Data Friday 5/14

Needs Data Friday 5/14

Date: 5/18/21

Time: 7:28

Received by: James Cox

Via: courier

Date: 5/18/21

Time: 7:28

Remarks: Needs Data Friday 5/14

Needs Data Friday 5/14

Date: 5/18/21

Time: 7:28

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Time: 7:28

Remarks: Needs Data Friday 5/14

Needs Data Friday 5/14

Date: 5/18/21

Time: 7:28

Received by: James Cox

Via: courier

Date: 5/18/21

Time: 7:28

Remarks: Needs Data Friday 5/14

Needs Data Friday 5/14

Date: 5/18/21

Time: 7:28

Received by: James Cox

Via: courier

Date: 5/18/21

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Remarks: Needs Data Friday 5/14

Needs Data Friday 5/14

Date: 5/18/21

Time: 7:28

Received by: James Cox

Via: courier

Date: 5/18/21

Time: 7:28

Remarks: Needs Data Friday 5/14



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

June 09, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Samuel Smith BIY Fed Com 1 Sam

OrderNo.: 2106308

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 11 sample(s) on 6/5/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4A 0'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 9:35:00 AM

Lab ID: 2106308-001

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/5/2021 12:51:50 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/5/2021 3:51:46 PM	60453
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/5/2021 3:51:46 PM	60453
Surr: DNOP	110	70-130		%Rec	1	6/5/2021 3:51:46 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 11:30:00 AM	60449
Surr: BFB	90.2	70-130		%Rec	1	6/5/2021 11:30:00 AM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 11:30:00 AM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 11:30:00 AM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 11:30:00 AM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 11:30:00 AM	60449
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	6/5/2021 11:30:00 AM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:05:00 PM

Lab ID: 2106308-002

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	560	60		mg/Kg	20	6/5/2021 1:29:03 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/5/2021 4:40:13 PM	60453
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/5/2021 4:40:13 PM	60453
Surr: DNOP	108	70-130		%Rec	1	6/5/2021 4:40:13 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 11:50:00 AM	60449
Surr: BFB	91.3	70-130		%Rec	1	6/5/2021 11:50:00 AM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 11:50:00 AM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 11:50:00 AM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 11:50:00 AM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 11:50:00 AM	60449
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	6/5/2021 11:50:00 AM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:10:00 PM

Lab ID: 2106308-003

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	530	59		mg/Kg	20	6/5/2021 2:06:17 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/5/2021 5:28:32 PM	60453
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/5/2021 5:28:32 PM	60453
Surr: DNOP	109	70-130		%Rec	1	6/5/2021 5:28:32 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 12:10:00 PM	60449
Surr: BFB	90.6	70-130		%Rec	1	6/5/2021 12:10:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 12:10:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 12:10:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 12:10:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 12:10:00 PM	60449
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	6/5/2021 12:10:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:15:00 PM

Lab ID: 2106308-004

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	320	60		mg/Kg	20	6/5/2021 2:18:41 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/5/2021 5:52:41 PM	60453
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/5/2021 5:52:41 PM	60453
Surr: DNOP	110	70-130		%Rec	1	6/5/2021 5:52:41 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 12:30:00 PM	60449
Surr: BFB	94.8	70-130		%Rec	1	6/5/2021 12:30:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 12:30:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 12:30:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 12:30:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 12:30:00 PM	60449
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	6/5/2021 12:30:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E-SW 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:20:00 PM

Lab ID: 2106308-005

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	6/5/2021 2:55:54 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	9.5		mg/Kg	1	6/5/2021 6:16:45 PM	60453
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/5/2021 6:16:45 PM	60453
Surr: DNOP	110	70-130		%Rec	1	6/5/2021 6:16:45 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 12:50:00 PM	60449
Surr: BFB	86.6	70-130		%Rec	1	6/5/2021 12:50:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 12:50:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 12:50:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 12:50:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 12:50:00 PM	60449
Surr: 4-Bromofluorobenzene	79.0	70-130		%Rec	1	6/5/2021 12:50:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:30:00 PM

Lab ID: 2106308-006

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	350	60		mg/Kg	20	6/5/2021 3:08:18 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/5/2021 6:40:46 PM	60453
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/5/2021 6:40:46 PM	60453
Surr: DNOP	106	70-130		%Rec	1	6/5/2021 6:40:46 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 1:10:00 PM	60449
Surr: BFB	88.2	70-130		%Rec	1	6/5/2021 1:10:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 1:10:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 1:10:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 1:10:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 1:10:00 PM	60449
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	6/5/2021 1:10:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:35:00 PM

Lab ID: 2106308-007

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	590	60		mg/Kg	20	6/5/2021 3:20:42 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/5/2021 7:04:42 PM	60453
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/5/2021 7:04:42 PM	60453
Surr: DNOP	105	70-130		%Rec	1	6/5/2021 7:04:42 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 1:30:00 PM	60449
Surr: BFB	89.1	70-130		%Rec	1	6/5/2021 1:30:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 1:30:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 1:30:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 1:30:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 1:30:00 PM	60449
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	6/5/2021 1:30:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 2'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 12:45:00 PM

Lab ID: 2106308-008

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	99	61		mg/Kg	20	6/5/2021 3:33:07 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/5/2021 7:28:41 PM	60453
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/5/2021 7:28:41 PM	60453
Surr: DNOP	104	70-130		%Rec	1	6/5/2021 7:28:41 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 1:50:00 PM	60449
Surr: BFB	89.2	70-130		%Rec	1	6/5/2021 1:50:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 1:50:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 1:50:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 1:50:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 1:50:00 PM	60449
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	6/5/2021 1:50:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W-SW 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 1:25:00 PM

Lab ID: 2106308-009

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	66	60		mg/Kg	20	6/5/2021 3:45:31 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/5/2021 7:52:43 PM	60453
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/5/2021 7:52:43 PM	60453
Surr: DNOP	105	70-130		%Rec	1	6/5/2021 7:52:43 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 2:10:00 PM	60449
Surr: BFB	89.3	70-130		%Rec	1	6/5/2021 2:10:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 2:10:00 PM	60449
Toluene	ND	0.050		mg/Kg	1	6/5/2021 2:10:00 PM	60449
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 2:10:00 PM	60449
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 2:10:00 PM	60449
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	6/5/2021 2:10:00 PM	60449

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 1:30:00 PM

Lab ID: 2106308-010

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	160	60		mg/Kg	20	6/5/2021 3:57:56 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/5/2021 8:16:43 PM	60453
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/5/2021 8:16:43 PM	60453
Surr: DNOP	106	70-130		%Rec	1	6/5/2021 8:16:43 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 2:29:00 PM	60449
Surr: BFB	91.5	70-130		%Rec	1	6/5/2021 2:29:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 2:29:00 PM	B78905
Toluene	ND	0.050		mg/Kg	1	6/5/2021 2:29:00 PM	B78905
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 2:29:00 PM	B78905
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 2:29:00 PM	B78905
Surr: 4-Bromofluorobenzene	81.5	70-130		%Rec	1	6/5/2021 2:29:00 PM	B78905

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106308

Date Reported: 6/9/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW 0-1'

Project: Samuel Smith BIY Fed Com 1 Sam

Collection Date: 6/4/2021 1:35:00 PM

Lab ID: 2106308-011

Matrix: SOIL

Received Date: 6/5/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	100	60		mg/Kg	20	6/5/2021 4:10:20 PM	60454
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/5/2021 8:40:38 PM	60453
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/5/2021 8:40:38 PM	60453
Surr: DNOP	105	70-130		%Rec	1	6/5/2021 8:40:38 PM	60453
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/5/2021 3:29:00 PM	60449
Surr: BFB	92.1	70-130		%Rec	1	6/5/2021 3:29:00 PM	60449
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	6/5/2021 3:29:00 PM	B78905
Toluene	ND	0.050		mg/Kg	1	6/5/2021 3:29:00 PM	B78905
Ethylbenzene	ND	0.050		mg/Kg	1	6/5/2021 3:29:00 PM	B78905
Xylenes, Total	ND	0.10		mg/Kg	1	6/5/2021 3:29:00 PM	B78905
Surr: 4-Bromofluorobenzene	82.1	70-130		%Rec	1	6/5/2021 3:29:00 PM	B78905

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106308

09-Jun-21

**Client:** Talon Artesia**Project:** Samuel Smith BIY Fed Com 1 Sam

Sample ID: MB-60454		SampType: MBLK		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 60454		RunNo: 78875						
Prep Date: 6/5/2021		Analysis Date: 6/5/2021		SeqNo: 2766319		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-60454</b>		SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>60454</b>		RunNo: <b>78875</b>						
Prep Date: <b>6/5/2021</b>		Analysis Date: <b>6/5/2021</b>		SeqNo: <b>2766320</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106308

09-Jun-21

**Client:** Talon Artesia  
**Project:** Samuel Smith BIY Fed Com 1 Sam

Sample ID: <b>MB-60453</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60453</b>	RunNo: <b>78881</b>								
Prep Date: <b>6/5/2021</b>	Analysis Date: <b>6/5/2021</b>	SeqNo: <b>2766497</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: <b>LCS-60453</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60453</b>	RunNo: <b>78881</b>								
Prep Date: <b>6/5/2021</b>	Analysis Date: <b>6/5/2021</b>	SeqNo: <b>2766498</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	68.9	141			
Surr: DNOP	4.9		5.000		97.8	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106308

09-Jun-21

**Client:** Talon Artesia  
**Project:** Samuel Smith BIY Fed Com 1 Sam

Sample ID: <b>LCS-60449</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60449</b>	RunNo: <b>78905</b>								
Prep Date: <b>6/4/2021</b>	Analysis Date: <b>6/5/2021</b>	SeqNo: <b>2767899</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.4	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Sample ID: <b>MB-60449</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60449</b>	RunNo: <b>78905</b>								
Prep Date: <b>6/4/2021</b>	Analysis Date: <b>6/5/2021</b>	SeqNo: <b>2767900</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		88.3	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106308

09-Jun-21

**Client:** Talon Artesia  
**Project:** Samuel Smith BIY Fed Com 1 Sam

Sample ID: <b>LCS-60449</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>60449</b>			RunNo: <b>78905</b>						
Prep Date: <b>6/4/2021</b>	Analysis Date: <b>6/5/2021</b>			SeqNo: <b>2767920</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.0	80	120			
Toluene	0.85	0.050	1.000	0	85.0	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.1	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.4	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		84.0	70	130			

Sample ID: <b>MB-60449</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>60449</b>			RunNo: <b>78905</b>						
Prep Date: <b>6/4/2021</b>	Analysis Date: <b>6/5/2021</b>			SeqNo: <b>2767921</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.79		1.000		79.0	70	130			

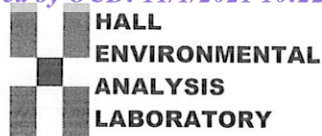
**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2106308

RcptNo: 1

Received By: Juan Rojas

6/5/2021 8:30:00 AM

*Juan Rojas*

Completed By: Juan Rojas

6/5/2021 9:03:05 AM

*Juan Rojas*Reviewed By: *06/05/2021*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *JR 6/5/21*Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good				
2	1.7	Good				

# Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 1-Day

Project Name:

Samuel Smith BIY Fed Com 1 (Sam)

Project #:

700438.250.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 0.9-0.1 = 0.8

Container Type and #

Preservative Type

Glass Jar

Ice/Cool

HEAL No.

2106308

18-0.1 = 1.7

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

Date: 6/4/2021

Time: 1545

Relinquished by: [Signature]

Relinquished by: [Signature]

Received by: [Signature]

Date: 6/15/21

Via: [Signature]

Date: 6/15/21

Remarks: Bill directly to EOG (Bob Asher)

Bill EOG Directly



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

June 14, 2021

Rebecca Pons  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Samuel Smith BIY Fed Com 1 SAM

OrderNo.: 2106456

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 10 sample(s) on 6/9/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 8:40:00 AM

Lab ID: 2106456-001

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/13/2021 12:55:16 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/10/2021 4:21:03 PM	60528
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2021 4:21:03 PM	60528
Surr: DNOP	90.4	70-130		%Rec	1	6/10/2021 4:21:03 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/10/2021 4:29:18 PM	60525
Surr: BFB	111	70-130		%Rec	1	6/10/2021 4:29:18 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	6/10/2021 4:29:18 PM	60525
Toluene	ND	0.047		mg/Kg	1	6/10/2021 4:29:18 PM	60525
Ethylbenzene	ND	0.047		mg/Kg	1	6/10/2021 4:29:18 PM	60525
Xylenes, Total	ND	0.093		mg/Kg	1	6/10/2021 4:29:18 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 4:29:18 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 8:50:00 AM

Lab ID: 2106456-002

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	68	60		mg/Kg	20	6/13/2021 1:57:19 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/10/2021 4:45:39 PM	60528
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/10/2021 4:45:39 PM	60528
Surr: DNOP	99.1	70-130		%Rec	1	6/10/2021 4:45:39 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/10/2021 4:52:57 PM	60525
Surr: BFB	111	70-130		%Rec	1	6/10/2021 4:52:57 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	6/10/2021 4:52:57 PM	60525
Toluene	ND	0.046		mg/Kg	1	6/10/2021 4:52:57 PM	60525
Ethylbenzene	ND	0.046		mg/Kg	1	6/10/2021 4:52:57 PM	60525
Xylenes, Total	ND	0.093		mg/Kg	1	6/10/2021 4:52:57 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 4:52:57 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:00:00 AM

Lab ID: 2106456-003

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	580	60		mg/Kg	20	6/13/2021 2:09:44 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/10/2021 5:10:23 PM	60528
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/10/2021 5:10:23 PM	60528
Surr: DNOP	96.5	70-130		%Rec	1	6/10/2021 5:10:23 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2021 5:16:43 PM	60525
Surr: BFB	110	70-130		%Rec	1	6/10/2021 5:16:43 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 5:16:43 PM	60525
Toluene	ND	0.048		mg/Kg	1	6/10/2021 5:16:43 PM	60525
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2021 5:16:43 PM	60525
Xylenes, Total	ND	0.096		mg/Kg	1	6/10/2021 5:16:43 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 5:16:43 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:10:00 AM

Lab ID: 2106456-004

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	610	60		mg/Kg	20	6/13/2021 2:22:08 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	6/10/2021 5:34:49 PM	60528
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/10/2021 5:34:49 PM	60528
Surr: DNOP	104	70-130		%Rec	1	6/10/2021 5:34:49 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2021 5:40:29 PM	60525
Surr: BFB	109	70-130		%Rec	1	6/10/2021 5:40:29 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 5:40:29 PM	60525
Toluene	ND	0.048		mg/Kg	1	6/10/2021 5:40:29 PM	60525
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2021 5:40:29 PM	60525
Xylenes, Total	ND	0.095		mg/Kg	1	6/10/2021 5:40:29 PM	60525
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/10/2021 5:40:29 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:20:00 AM

Lab ID: 2106456-005

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	400	60		mg/Kg	20	6/13/2021 2:34:32 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/10/2021 5:59:33 PM	60528
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2021 5:59:33 PM	60528
Surr: DNOP	98.4	70-130		%Rec	1	6/10/2021 5:59:33 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/10/2021 6:04:18 PM	60525
Surr: BFB	111	70-130		%Rec	1	6/10/2021 6:04:18 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 6:04:18 PM	60525
Toluene	ND	0.047		mg/Kg	1	6/10/2021 6:04:18 PM	60525
Ethylbenzene	ND	0.047		mg/Kg	1	6/10/2021 6:04:18 PM	60525
Xylenes, Total	ND	0.095		mg/Kg	1	6/10/2021 6:04:18 PM	60525
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	6/10/2021 6:04:18 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:30:00 AM

Lab ID: 2106456-006

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	430	60		mg/Kg	20	6/13/2021 2:46:57 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	6/10/2021 6:24:07 PM	60528
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	6/10/2021 6:24:07 PM	60528
Surr: DNOP	80.0	70-130		%Rec	1	6/10/2021 6:24:07 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/10/2021 6:28:03 PM	60525
Surr: BFB	110	70-130		%Rec	1	6/10/2021 6:28:03 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 6:28:03 PM	60525
Toluene	ND	0.047		mg/Kg	1	6/10/2021 6:28:03 PM	60525
Ethylbenzene	ND	0.047		mg/Kg	1	6/10/2021 6:28:03 PM	60525
Xylenes, Total	ND	0.095		mg/Kg	1	6/10/2021 6:28:03 PM	60525
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/10/2021 6:28:03 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:40:00 AM

Lab ID: 2106456-007

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	310	60		mg/Kg	20	6/13/2021 2:59:22 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/10/2021 6:48:55 PM	60528
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2021 6:48:55 PM	60528
Surr: DNOP	94.6	70-130		%Rec	1	6/10/2021 6:48:55 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2021 6:51:43 PM	60525
Surr: BFB	111	70-130		%Rec	1	6/10/2021 6:51:43 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 6:51:43 PM	60525
Toluene	ND	0.048		mg/Kg	1	6/10/2021 6:51:43 PM	60525
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2021 6:51:43 PM	60525
Xylenes, Total	ND	0.097		mg/Kg	1	6/10/2021 6:51:43 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 6:51:43 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 9:50:00 AM

Lab ID: 2106456-008

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	210	60		mg/Kg	20	6/13/2021 3:11:46 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	6/10/2021 7:13:21 PM	60528
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	6/10/2021 7:13:21 PM	60528
Surr: DNOP	101	70-130		%Rec	1	6/10/2021 7:13:21 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/10/2021 7:15:23 PM	60525
Surr: BFB	111	70-130		%Rec	1	6/10/2021 7:15:23 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 7:15:23 PM	60525
Toluene	ND	0.049		mg/Kg	1	6/10/2021 7:15:23 PM	60525
Ethylbenzene	ND	0.049		mg/Kg	1	6/10/2021 7:15:23 PM	60525
Xylenes, Total	ND	0.097		mg/Kg	1	6/10/2021 7:15:23 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 7:15:23 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-15 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 10:00:00 AM

Lab ID: 2106456-009

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	230	60		mg/Kg	20	6/13/2021 3:24:11 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/10/2021 7:38:06 PM	60528
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/10/2021 7:38:06 PM	60528
Surr: DNOP	92.1	70-130		%Rec	1	6/10/2021 7:38:06 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/10/2021 8:02:39 PM	60525
Surr: BFB	108	70-130		%Rec	1	6/10/2021 8:02:39 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	6/10/2021 8:02:39 PM	60525
Toluene	ND	0.048		mg/Kg	1	6/10/2021 8:02:39 PM	60525
Ethylbenzene	ND	0.048		mg/Kg	1	6/10/2021 8:02:39 PM	60525
Xylenes, Total	ND	0.095		mg/Kg	1	6/10/2021 8:02:39 PM	60525
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/10/2021 8:02:39 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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## Analytical Report

Lab Order 2106456

Date Reported: 6/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-16 1'

Project: Samuel Smith BIY Fed Com 1 SAM

Collection Date: 6/8/2021 10:10:00 AM

Lab ID: 2106456-010

Matrix: SOIL

Received Date: 6/9/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	310	60		mg/Kg	20	6/13/2021 4:01:25 PM	60595
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/10/2021 8:02:34 PM	60528
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/10/2021 8:02:34 PM	60528
Surr: DNOP	98.3	70-130		%Rec	1	6/10/2021 8:02:34 PM	60528
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/10/2021 8:26:20 PM	60525
Surr: BFB	110	70-130		%Rec	1	6/10/2021 8:26:20 PM	60525
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	6/10/2021 8:26:20 PM	60525
Toluene	ND	0.049		mg/Kg	1	6/10/2021 8:26:20 PM	60525
Ethylbenzene	ND	0.049		mg/Kg	1	6/10/2021 8:26:20 PM	60525
Xylenes, Total	ND	0.098		mg/Kg	1	6/10/2021 8:26:20 PM	60525
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	6/10/2021 8:26:20 PM	60525

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2106456

14-Jun-21

Client: Talon Artesia

Project: Samuel Smith BIY Fed Com 1 SAM

Sample ID: <b>MB-60595</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>
Client ID: <b>PBS</b>	Batch ID: <b>60595</b>	RunNo: <b>79041</b>
Prep Date: <b>6/13/2021</b>	Analysis Date: <b>6/13/2021</b>	SeqNo: <b>2773120</b> Units: <b>mg/Kg</b>
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: <b>LCS-60595</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>
Client ID: <b>LCSS</b>	Batch ID: <b>60595</b>	RunNo: <b>79041</b>
Prep Date: <b>6/13/2021</b>	Analysis Date: <b>6/13/2021</b>	SeqNo: <b>2773121</b> Units: <b>mg/Kg</b>
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 96.3 90 110

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106456

14-Jun-21

**Client:** Talon Artesia**Project:** Samuel Smith BIY Fed Com 1 SAM

Sample ID: <b>MB-60528</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60528</b>	RunNo: <b>78977</b>								
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>	SeqNo: <b>2771631</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: <b>LCS-60528</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60528</b>	RunNo: <b>78977</b>								
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>	SeqNo: <b>2771632</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.9	141			
Surr: DNOP	4.7		5.000		94.9	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106456

14-Jun-21

**Client:** Talon Artesia**Project:** Samuel Smith BIY Fed Com 1 SAM

Sample ID: <b>mb-60525</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>60525</b>				RunNo: <b>78974</b>					
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>				SeqNo: <b>2771373</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>lcs-60525</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>60525</b>				RunNo: <b>78974</b>					
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>				SeqNo: <b>2771374</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		123	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106456

14-Jun-21

**Client:** Talon Artesia**Project:** Samuel Smith BIY Fed Com 1 SAM

Sample ID: <b>mb-60525</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60525</b>	RunNo: <b>78974</b>								
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>	SeqNo: <b>2771402</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: <b>LCS-60525</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60525</b>	RunNo: <b>78974</b>								
Prep Date: <b>6/9/2021</b>	Analysis Date: <b>6/10/2021</b>	SeqNo: <b>2771403</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.6	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

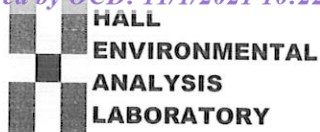
**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 14 of 14





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: clients.hallenvironmental.com

## Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2106456

RcptNo: 1

Received By: Juan Rojas

6/9/2021 7:30:00 AM

Completed By: Cheyenne Cason

6/9/2021 7:57:56 AM

Reviewed By:

JR 6/9/21

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: SPA 6.9.21

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

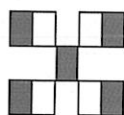
16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0					

Chain-of-Custody Record						
Client: Talon LPE						
Mailing Address: 408 W. Texas Ave						
Artesia, NM 88210						
Phone #: 575.746.8768						
email or Fax#:						
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)						
Accreditation: <input type="checkbox"/> Az Compliance						
<input type="checkbox"/> NELAC <input type="checkbox"/> Other _____						
<input type="checkbox"/> EDD (Type) _____						
Date	Time	Matrix	Sample Name			
6/8/2021	8:40	Soil	S-7 1'			
	8:50		S-8 1'			
	9:00		S-9 1'			
	9:10		S-10 1'			
	9:20		S-11 1'			
	9:30		S-12 1'			
	9:40		S-13 1'			
	9:50		S-14 1'			
	10:00		S-15 1'			
	10:10		S-16 1'			
Turn-Around Time: 4 Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush						
Project Name:						
Samuel Smith BIY Fed Com 1 (Sam)						
Project #:						
700438.250.01						
Project Manager: R. Pons						
Sampler: J. Carnes						
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
# of Coolers: 1						
Cooler Temp (including CF): 20-0 = 20						
		Container Type and #	Preservative Type	HEAL No.		
		Glass Jar	Ice/Cool	2106456		
				001		
				002		
				003		
				004		
				005		
				006		
				007		
				008		
				009		
				010		
Received by: Via: Date Time						
6/8/21 1330						
Relinquished by: Date Time						
6/8/21 1900						

if necessary, samples submitted to Hail Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

4 Day

☒ Standard ☐ Rush

Project Name:

Samuel Smith BIY Fed Com 1 (Sam)

Project #:

700438.250.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: ☐ Yes

# of Coolers:

Cooler Temp (including CF): 20.0 - 20.0

02-0007		
---------	--	--

Container	Preservative	HEAL No.
-----------	--------------	----------

Type and #

1000	1000
------	------

Class Jail	ICE/COOL	2
------------	----------	---

✓	✓
---	---

[illegible][illegible]


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[illegible]


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[illegible]

Received by:	Via:	Date	Time
--------------	------	------	------

6/10/20

31 May 2001

Received by:                      Via:                      Date:                      Time:                     

6/2/2019

Wettest Laboratories This serves as notice

[illegible]

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 58802

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 58802
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/31/2022