

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141

Revised August 8, 2011

OCT 01 2014

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

127528113 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 th Street	Telephone No. 575-748-1471	
Facility Name Samuel Smith BIY Federal #1	Facility Type Battery	

Surface Owner State	Mineral Owner Federal	API No. 30-015-32581
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	32	23S	24E	1400	South	1170	East	Eddy

Latitude 32.25683 Longitude 104.51506

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 120 B/PW	Volume Recovered 0 B/PW
Source of Release Production Tank	Date and Hour of Occurrence 9/12/2014; AM	Date and Hour of Discovery 9/12/2014; AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD II	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 9/12/2014: AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*



Lightning struck the produced water tank, causing a fire and the release of the produced water in that tank. Because of heavy rains and flooding Fire Department and vacuum truck(s) were unable to reach location. The battery is to be relocated on the production pad.

Describe Area Affected and Cleanup Action Taken.*

An approximate area of 20' X 50'. No produced water was recovered. Once the batter is moved the impacted soils will be excavated/hailed to an NMOCD approved facility. Vertical and horizontal delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the NMOCD requesting closure. If the analytical results are above the RRAL a work plan will be submitted to the NMOCD. **Depth to Ground Water: >100' (approximately 200', per ChevronTexaco Trend Map), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Robert Asher	Approval Date: 10/1/14	Expiration Date: NA
Title: NM Environmental Regulatory Supervisor	Conditions of Approval:	
E-mail Address: boba@yatespetroleum.com	Attached <input type="checkbox"/>	
Date: October 1, 2014	Phone: 575-748-4217	

* Attach Additional Sheets If Necessary

Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO
LATER THAN: 11/1/14

2RP-2510

Patterson, Heather, EMNRD

From: Bob Asher <BobA@yatespetroleum.com>
Sent: Friday, September 12, 2014 2:55 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; Dade, Randy, EMNRD
Cc: Amber Cannon; Chase Settle; Katie Parker; Manuel Gonzalez; Tanna Adams
Subject: Release Notification (Samuel Smith Unit #1)

Yates Petroleum Corporation is reporting a release at the following location (9/12/2014; AM).

Samuel Smith Unit #1
30-015-32581
Section 32, T23S-R24E
1400 FSL & 1170 FEL
Eddy County, New Mexico

Released: Approximately 120 P/W; Recovered: Not known at this time.

Cause of release was from a lightning strike at the battery. Because of heavy rains, YPC personnel, Fire Department and clean-up crews cannot get to the battery. A Form C-141 with full detailed information will be submitted.

Thank you.

Robert Asher
NM Environmental Regulatory Supervisor
Yates Petroleum Corporation
105 S. 4th Street
Artesia, NM 88210
575-748-4217 (Office)
575-365-4021 (Cell)

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Remediation and Closure Report

Samuel Smith BIY Federal #1
Eddy County, New Mexico
30-015-32581
Incident #NAB1427528113

Prepared For:

EOG RESOURCES
104 S. 4th Street
Artesia, NM 88210

Prepared By:

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

June 23, 2021

Mr. Mike Bratcher
NMOCD
811 S. 1st Street
Artesia, NM 88210

Mr. 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 #NAB1427528113

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](#)), lightning struck the produced water tank causing a fire and a subsequent release of 120 barrels of produced water. As a result of heavy rains and flooding, roads were impassable for the fire department or vacuum trucks. No fluids were recovered and the entire release remained on the pad area. 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
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
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
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
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
Senior Environmental Project Manager

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



60 ft

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

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

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	WaterColumn
C 02155	C	ED		3	4	33	23S	24E			546992	3568808*	1367	307	90	217
C 02341	C	ED		4	4	2	29	23S	24E		545869	3571111*	2105	200		
C 01301	C	ED		3	2	29	23S	24E			545368	3571208*	2207	202	170	32
C 01826	C	ED		4	1	28	23S	24E			547017	3570815	2263	1320	663	657
C 02247	C	ED		4	09	24S	24E				547215	3565831*	3554	300	115	185
C 01555	C	ED		3	3	02	24S	24E			549427	3567240*	4182	380	250	130
C 02363	CUB	ED		1	1	1	11	24S	24E		549321	3566942*	4225	300		
RA 10195	RA	ED		3	1	3	25	23S	23E		541298	3570677*	4648	336		
C 02372	CUB	ED		4	3	2	02	24S	24E		550318	3567938*	4800	300		
L 14949 POD1	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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141

Revised August 8, 2011

OCT 01 2014

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

1201427528113 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 th Street	Telephone No. 575-748-1471	
Facility Name Samuel Smith BIY Federal #1	Facility Type Battery	

Surface Owner State	Mineral Owner Federal	API No. 30-015-32581
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LOCATION OF RELEASE

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Latitude 32.25683 Longitude 104.51506

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Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD II	
By Whom? Robert Asher/Yates Petroleum Corporation	Date and Hour 9/12/2014: AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Lightning struck the produced water tank, causing a fire and the release of the produced water in that tank. Because of heavy rains and flooding Fire Department and vacuum truck(s) were unable to reach location. The battery is to be relocated on the production pad.

Describe Area Affected and Cleanup Action Taken.*

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

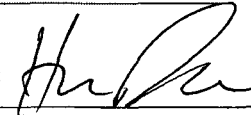
OIL CONSERVATION DIVISION

Signature:



Printed Name: Robert Asher

Approved by Environmental Specialist:



Title: NM Environmental Regulatory Supervisor

Approval Date:

10/1/14

Expiration Date:

NA

E-mail Address: boba@yatespetroleum.com

Conditions of Approval:

Attached ☐

Date: October 1, 2014

Phone: 575-748-4217

Remediation per O.C.D. Rules & Guidelines

SUBMIT REMEDIATION PROPOSAL NO

LATER THAN:

11/1/14

* Attach Additional Sheets If Necessary

2RP-2510

Incident ID	NAB1427528113
District RP	2RP-2516
Facility ID	30-015-32581
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: NM Regulatory Supervisor

Signature:  Date: 6/16/2021

Email: 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: _____

Printed Name: _____ Title: _____



APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

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

PHOTO DOCUMENTATION



Impacted Area Looking South



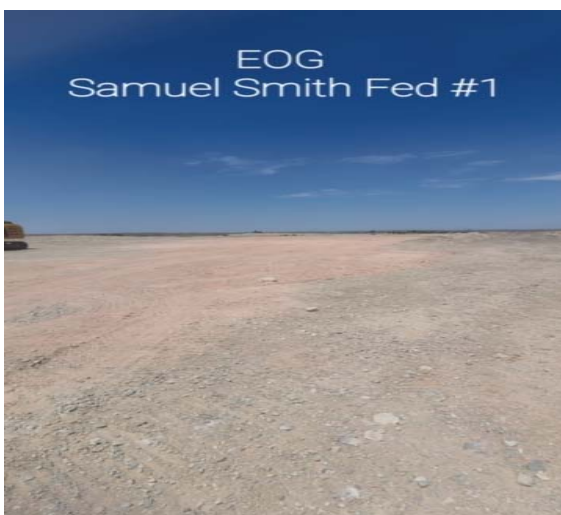
Impacted Area Looking Northeast



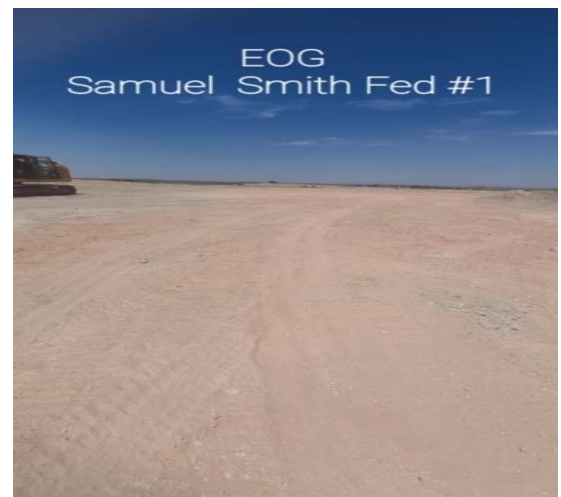
Excavated Area-South Sidewall



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

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 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".

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	19000	600		mg/Kg	200	5/21/2021 7:32:11 AM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	22000	1500		mg/Kg	500	5/21/2021 7:44:35 AM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	17000	600		mg/Kg	200	5/21/2021 7:57:00 AM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2700	150		mg/Kg	50	5/21/2021 8:09:24 AM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	5/20/2021 6:24:31 PM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2400	150		mg/Kg	50	5/21/2021 8:21:48 AM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	5/20/2021 6:49:19 PM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

Page 7 of 15

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	260	60		mg/Kg	20	5/20/2021 7:01:44 PM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	60		mg/Kg	20	5/20/2021 7:14:08 PM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	840	60		mg/Kg	20	5/20/2021 7:26:33 PM	60159
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2105800

26-May-21

Client: Talon Artesia

Project: Samuel Smith Fed Com 1

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

Sample ID: LCS-60159	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 60159	RunNo: 77526
Prep Date: 5/20/2021	Analysis Date: 5/20/2021	SeqNo: 2752498 Units: mg/Kg
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

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

WO#: 2105800

26-May-21

Client: Talon Artesia
Project: Samuel Smith Fed Com 1

Sample ID: MB-60148	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60148	RunNo: 77563								
Prep Date: 5/19/2021	Analysis Date: 5/21/2021	SeqNo: 2752797 Units: mg/Kg								
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: LCS-60148	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60148	RunNo: 77563								
Prep Date: 5/19/2021	Analysis Date: 5/21/2021	SeqNo: 2752798 Units: mg/Kg								
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: MB-60164	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60164	RunNo: 77604								
Prep Date: 5/20/2021	Analysis Date: 5/22/2021	SeqNo: 2754502 Units: %Rec								
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: LCS-60164	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60164	RunNo: 77604								
Prep Date: 5/20/2021	Analysis Date: 5/22/2021	SeqNo: 2754504 Units: %Rec								
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: mb-60139	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752224 Units: mg/Kg								
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: lcs-60139	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752225 Units: mg/Kg								
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: mb-60157	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60157	RunNo: 77587								
Prep Date: 5/20/2021	Analysis Date: 5/21/2021	SeqNo: 2753626 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.8	70	130			

Sample ID: lcs-60157	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60157	RunNo: 77587								
Prep Date: 5/20/2021	Analysis Date: 5/21/2021	SeqNo: 2753627 Units: %Rec								
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

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

WO#: 2105800

26-May-21

Client: Talon Artesia
Project: Samuel Smith Fed Com 1

Sample ID: mb-60139	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752268 Units: mg/Kg								
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: LCS-60139	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752269 Units: mg/Kg								
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: 2105800-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-1 0'R	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752274 Units: mg/Kg								
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: 2105800-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-1 0'R	Batch ID: 60139	RunNo: 77537								
Prep Date: 5/19/2021	Analysis Date: 5/20/2021	SeqNo: 2752275 Units: mg/Kg								
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: mb-60157		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS		Batch ID: 60157		RunNo: 77587						
Prep Date: 5/20/2021		Analysis Date: 5/21/2021		SeqNo: 2753689			Units: %Rec			
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: LCS-60157		SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS		Batch ID: 60157			RunNo: 77587					
Prep Date: 5/20/2021		Analysis Date: 5/21/2021			SeqNo: 2753690		Units: %Rec			
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.

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

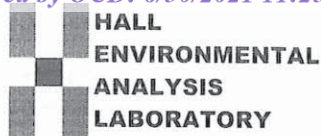
S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



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°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

Date: 5/18/21

Time: 1900

Relinquished by: James Cox

Received by: James Cox

Via:

Date: 5/18/21

Time: 820

Received by: James Cox

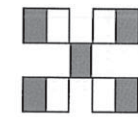
Via:

Date: 5/19/21

Time: 7:28

Remarks:

Needs Data Friday 5/18/21



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

C H L O R I D E S

B T E X

X X X X

X X X X

X X X X

X X X X

X X X X

X X X X



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 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 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/5/2021 12:51:50 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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		

Page 1 of 15

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	560	60		mg/Kg	20	6/5/2021 1:29:03 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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		

Page 2 of 15

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	530	59		mg/Kg	20	6/5/2021 2:06:17 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	320	60		mg/Kg	20	6/5/2021 2:18:41 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	60		mg/Kg	20	6/5/2021 2:55:54 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	6/5/2021 3:08:18 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	590	60		mg/Kg	20	6/5/2021 3:20:42 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	99	61		mg/Kg	20	6/5/2021 3:33:07 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	66	60		mg/Kg	20	6/5/2021 3:45:31 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	60		mg/Kg	20	6/5/2021 3:57:56 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	100	60		mg/Kg	20	6/5/2021 4:10:20 PM	60454
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
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
EPA METHOD 8021B: VOLATILES							Analyst: CCM
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.

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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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: LCS-60454	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 60454	RunNo: 78875
Prep Date: 6/5/2021	Analysis Date: 6/5/2021	SeqNo: 2766320 Units: mg/Kg
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

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-60453	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60453	RunNo: 78881								
Prep Date: 6/5/2021	Analysis Date: 6/5/2021	SeqNo: 2766497 Units: mg/Kg								
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: LCS-60453	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60453	RunNo: 78881								
Prep Date: 6/5/2021	Analysis Date: 6/5/2021	SeqNo: 2766498 Units: mg/Kg								
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

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: LCS-60449	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 60449		RunNo: 78905							
Prep Date: 6/4/2021	Analysis Date: 6/5/2021		SeqNo: 2767899		Units: mg/Kg					
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: MB-60449	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 60449		RunNo: 78905							
Prep Date: 6/4/2021	Analysis Date: 6/5/2021		SeqNo: 2767900		Units: mg/Kg					
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

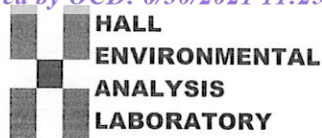
Sample ID: LCS-60449	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 60449			RunNo: 78905						
Prep Date: 6/4/2021	Analysis Date: 6/5/2021			SeqNo: 2767920		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	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: MB-60449	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 60449			RunNo: 78905						
Prep Date: 6/4/2021	Analysis Date: 6/5/2021			SeqNo: 2767921		Units: mg/Kg				
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



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°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: *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

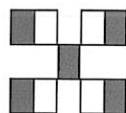
Regarding: _____

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				



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

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)

Date	Time	Matrix	Sample Name
9/3/2021	9:35	Soil	BG-4A 0'
	12:05		S-6 0-1'
	12:10		S-3 0-1'
	12:15		S-2 0-1'
	12:20		E-SW 0-1'
	12:30		S-1 0-1'
	12:35		S-4 0-1'
	12:45		S-4 2'
	1:25		W-SW 0-1'
	1:30		N-SW 0-1'
	1:35		S-SW 0-1'

Date:	Time:	Relinquished by:
-------	-------	------------------

Date:	Time:	Relinquished by:
-------	-------	------------------

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

Received by: _____ Via: _____ Date _____ Time _____

Remarks:	Bill directly to EOG (Bob Asher)
----------	----------------------------------

Bill EOG Directly

Any sub-contracted data will be clearly notated on the analytical report. Any sub-contracted data may be subcontracted to other accredited laboratories. This serves as notice of this possibility.



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 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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	6/13/2021 12:55:16 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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		

Page 1 of 14

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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	68	60		mg/Kg	20	6/13/2021 1:57:19 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	580	60		mg/Kg	20	6/13/2021 2:09:44 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	610	60		mg/Kg	20	6/13/2021 2:22:08 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	400	60		mg/Kg	20	6/13/2021 2:34:32 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	430	60		mg/Kg	20	6/13/2021 2:46:57 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	6/13/2021 2:59:22 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	210	60		mg/Kg	20	6/13/2021 3:11:46 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	230	60		mg/Kg	20	6/13/2021 3:24:11 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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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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
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	6/13/2021 4:01:25 PM	60595
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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

Sample ID: LCS-60595	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 60595	RunNo: 79041
Prep Date: 6/13/2021	Analysis Date: 6/13/2021	SeqNo: 2773121 Units: mg/Kg
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

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: MB-60528	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60528	RunNo: 78977								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771631 Units: mg/Kg								
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: LCS-60528	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60528	RunNo: 78977								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771632 Units: mg/Kg								
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: mb-60525	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60525	RunNo: 78974								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771373 Units: mg/Kg								
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: lcs-60525	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60525	RunNo: 78974								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771374 Units: mg/Kg								
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: mb-60525	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60525	RunNo: 78974								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771402	Units: mg/Kg							
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			

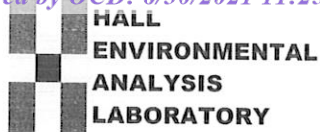
Sample ID: LCS-60525	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60525	RunNo: 78974								
Prep Date: 6/9/2021	Analysis Date: 6/10/2021	SeqNo: 2771403	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	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

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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: 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°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					



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

June 25, 2021

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

RE: Samuel Smith BIY Fed Com 1 Sam

OrderNo.: 2106821

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/16/2021 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 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 2106821

Date Reported: 6/25/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10 2'

Project: Samuel Smith BIY Fed Com 1 Sam

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

Lab ID: 2106821-001

Matrix: SOIL

Received Date: 6/16/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	60		mg/Kg	20	6/19/2021 4:48:34 PM	60754
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/17/2021 12:37:47 PM	60691
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/17/2021 12:37:47 PM	60691
Surr: DNOP	95.1	70-130		%Rec	1	6/17/2021 12:37:47 PM	60691
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/17/2021 4:14:40 PM	60673
Surr: BFB	116	70-130		%Rec	1	6/17/2021 4:14:40 PM	60673
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/17/2021 4:14:40 PM	60673
Toluene	ND	0.048		mg/Kg	1	6/17/2021 4:14:40 PM	60673
Ethylbenzene	ND	0.048		mg/Kg	1	6/17/2021 4:14:40 PM	60673
Xylenes, Total	ND	0.097		mg/Kg	1	6/17/2021 4:14:40 PM	60673
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/17/2021 4:14:40 PM	60673

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

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

WO#: 2106821

25-Jun-21

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

Sample ID: MB-60754	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60754	RunNo: 79208								
Prep Date: 6/19/2021	Analysis Date: 6/19/2021	SeqNo: 2780472	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60754	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60754	RunNo: 79208								
Prep Date: 6/19/2021	Analysis Date: 6/19/2021	SeqNo: 2780473	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	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#: 2106821

25-Jun-21

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

Sample ID: MB-60691	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60691	RunNo: 79149								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2779404 Units: mg/Kg								
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: LCS-60691	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60691	RunNo: 79149								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2779405 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.3	68.9	141			
Surr: DNOP	4.9		5.000		98.8	70	130			

Sample ID: 2106821-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-10 2'	Batch ID: 60691	RunNo: 79149								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2779407 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.8	49.21	0	88.5	15	184			
Surr: DNOP	4.8		4.921		96.6	70	130			

Sample ID: 2106821-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-10 2'	Batch ID: 60691	RunNo: 79149								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2779408 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.7	48.59	0	93.1	15	184	3.78	23.9	
Surr: DNOP	4.8		4.859		98.4	70	130	0	0	

Sample ID: LCS-60743	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60743	RunNo: 79223								
Prep Date: 6/18/2021	Analysis Date: 6/19/2021	SeqNo: 2781761 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		102	70	130			

Sample ID: LCS-60744	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60744	RunNo: 79223								
Prep Date: 6/18/2021	Analysis Date: 6/20/2021	SeqNo: 2781762 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 3 of 6

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

WO#: 2106821

25-Jun-21

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

Sample ID: LCS-60744	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 60744			RunNo: 79223						
Prep Date: 6/18/2021	Analysis Date: 6/20/2021			SeqNo: 2781762		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.5	70	130			

Sample ID: MB-60743	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60743			RunNo: 79223						
Prep Date: 6/18/2021	Analysis Date: 6/19/2021			SeqNo: 2781765		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		95.4	70	130			

Sample ID: MB-60744	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 60744			RunNo: 79223						
Prep Date: 6/18/2021	Analysis Date: 6/20/2021			SeqNo: 2781766		Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		99.3	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#: 2106821

25-Jun-21

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

Sample ID: mb-60673	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778537 Units: mg/Kg								
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: lcs-60673	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778538 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: 2106821-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-10 2'	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778548 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.8	24.02	0	121	61.3	114			S
Surr: BFB	1200		960.6		123	70	130			

Sample ID: 2106821-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-10 2'	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778564 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.9	24.58	0	124	61.3	114	4.71	20	S
Surr: BFB	1200		983.3		126	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#: 2106821

25-Jun-21

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

Sample ID: mb-60673	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778626	Units: mg/Kg							
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	1.0		1.000		101	70	130			

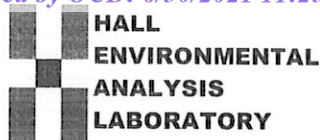
Sample ID: LCS-60673	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60673	RunNo: 79164								
Prep Date: 6/16/2021	Analysis Date: 6/17/2021	SeqNo: 2778627	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.9	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	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 6 of 6



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: 2106821

RcptNo: 1

Received By: Juan Rojas

6/16/2021 7:35:00 AM

Juan Rojas

Completed By: Cheyenne Cason

6/16/2021 8:49:50 AM

Cason

Reviewed By:

*JO**6-16-21*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°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: *T.C 6.16-21*

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	0.7	Good				
2	0.2	Good				

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

if necessary, samples submitted to Hall 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.

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 34452

CONDITIONS

Operator: Talon LPE 408 W Texas Artesia, NM 88210	OGRID: 329944
	Action Number: 34452
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	No conditions. C-141 was signature locked so it could not be signed. Consider this approval as signature by Bradford Billings	9/6/2022