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Remediation and Closure Report

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

Prepared For:

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

Prepared By:

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

September 14, 2021



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

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

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

Dear Mr. Bratcher and Mr. Amos,

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

Site Information

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

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

- Yes No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- Yes No Within 200 feet of any lakebed, sinkhole or a playa lake
- Yes No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- Yes 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
- Yes No Within 1000 feet of any freshwater well or spring
- Yes 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
- Yes No Within 300 feet of a wetland
- Yes No Within the area overlying a subsurface mine
- Yes No Within an unstable area
- Yes No Within a 100-year floodplain

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

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

Incident Description

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

Site Assessment

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

Table I
05-26-21 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
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
Digitally signed by Rebecca Pons
DN: cn=Rebecca Pons, o=Talon LPE,
ou=Arts&S,
email=rppons@talonlpe.com, c=US
Date: 2021.06.29 16:26:12 -0600

Rebecca Pons
Senior Environmental Project Manager

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

David J. Adkins
Regional Manager

Attachments:

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



APPENDIX I

SITE MAPS

Sam Smith Fed #001

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

Legend

- Sample Point
- Spill Area



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



2 mi



EOG Resources Sam Smith Fed. #1

Eddy County
API 30-015-32581

TOPO Map

Legend

- EOG Sam Smith Fed #1
- Polygon 1



Lower John Well

EOG Sam Smith Fed #1

32

4100

X4191

4263 X



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 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
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 Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2113730351
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

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

Surface Owner: State Federal Tribal Private (Name:)

Nature and Volume of Release

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

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

Cause of Release

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

Incident ID	NAPP2113730351
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: Robert Asher Title: Environmental Supervisor

Signature:  Date: 5-17-2021

email: bob_asher@eogresources.com Telephone: 575-748-4217

OCD Only

Received by: Ramona Marcus Date: 5/18/2021

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

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

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

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

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

CONDITIONS

Action 28487

CONDITIONS OF APPROVAL

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

Incident ID	nAPP2113730351
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Robert Asher Title: Environmental Supervisor
 Signature:  Date: 10-19-2021
 email: bob_asher@egoresources.com Telephone: 575-748-4217

OCD Only

Received by: _____ Date: _____

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

Closure Approved by:  Date: 01/31/2022
 Printed Name: Jennifer Nobui Title: Environmental Specialist A



APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

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

PHOTO DOCUMENTATION



Impacted Area Looking South



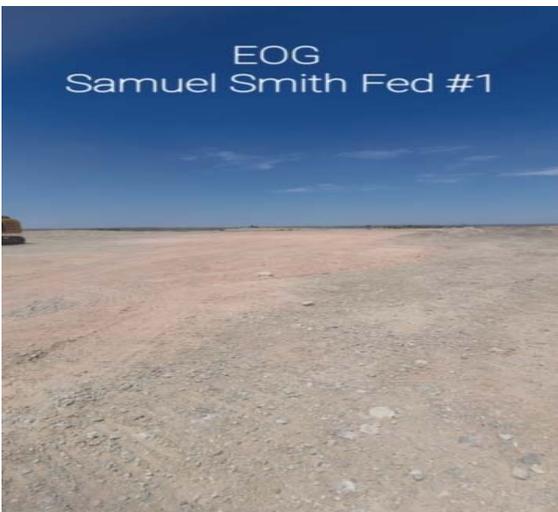
Impacted Area Looking Northeast



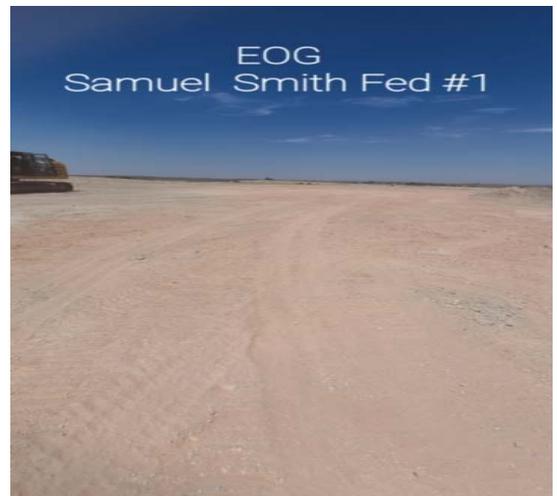
Excavated Area-South Sidewall



Excavated Area-North Sidewall S4



Backfilled Excavation



Pad Area Restored to Grade



APPENDIX V

LABORATORY DATA



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

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', is written in a cursive style.

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	

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		

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

WO#: 2105800

Hall Environmental Analysis Laboratory, Inc.

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: ics-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: ics-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

WO#: 2105800

Hall Environmental Analysis Laboratory, Inc.

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

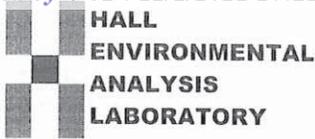
Client: Talon Artesia
Project: Samuel Smith Fed Com 1

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
Completed By: Cheyenne Cason 5/19/2021 8:06:07 AM
Reviewed By: JR 5/19/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] 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 [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.0, Good, [], [], []



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 in a cursive style.

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		

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	

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		

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	

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		

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		

Page 6 of 15

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		

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		

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		

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		

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		

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

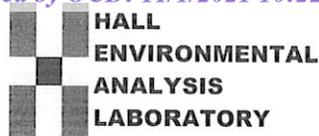
Client: Talon Artesia
Project: Samuel Smith BIY Fed Com 1 Sam

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
Completed By: Juan Rojas 6/5/2021 9:03:05 AM
Reviewed By: [Signature] 06/05/2021

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] 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 [checked]

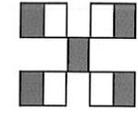
Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Rows 1 and 2.

Chain-of-Custody Record



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Turn-Around Time:
 Standard Rush 1-Day
 Project Name:
 Samuel Smith BIY Fed Com 1 (Sam)

Project #: 700438.250.01
 Project Manager: R. Pons

Sampler: J. Carnes
 On Ice: Yes No
 # of Coolers: 2

Cooler Temp (including CF): 09-0.1=0.8
 Container Type and #
 Preservative Type

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6/4/2021	9:35	Soil	BG-4A 0'	Glass Jar	Ice/Cool	-001
	12:05		S-6 0-1'			-002
	12:10		S-3 0-1'			-003
	12:15		S-2 0-1'			-004
	12:20		E-SW 0-1'			-005
	12:30		S-1 0-1'			-006
	12:35		S-4 0-1'			-007
	12:45		S-4 2'			-008
	1:25		W-SW 0-1'			-009
	1:30		N-SW 0-1'			-010
	1:35		S-SW 0-1'			-011

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)

Relinquished by: [Signature]
 Date: 6/4/21 1545

Relinquished by: [Signature]
 Date: 6/4/21 1900

Date	Time	Relinquished by:	Via:	Date	Time
6/4/21	1545	[Signature]	Admission	6/4/21	1545
6/4/21	1900	[Signature]	By courier	6/5/21	8:30

Remarks: Bill directly to EOG (Bob Asher)

Bill EOG Directly



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

June 14, 2021

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

RE: Samuel Smith BIY Fed Com 1 SAM

OrderNo.: 2106456

Dear Rebecca Pons:

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

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 in a cursive style.

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		

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		

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		

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		

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		

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		

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		

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		

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		

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		

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

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: ics-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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106456

14-Jun-21

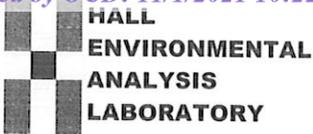
Client: Talon Artesia
Project: Samuel Smith BIY Fed Com 1 SAM

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



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 [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] 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 [checked]

Person Notified:
By Whom:
Regarding:
Client Instructions:
Date:
Via: [] eMail [] Phone [] Fax [] In Person

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.0, , , , ,

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

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

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

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

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

CONDITIONS
 Action 58802

CONDITIONS

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

CONDITIONS

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