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Remediation and Closure Report

Oil 6" Steel MB Charolais 28 21
Lea County
Incident ID: **nAPP2126542912**

Prepared For:

3 Bear Delaware Operating-NM, LLC
1512 Larimer St. Suite 540
Denver, CO 80202

Prepared By:

TALON/LPE
408 W. Texas Avenue
Artesia, NM 88210

November 16, 2021



Mr. Chad Hensley
NMOCD District 1
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Oil 6" Steel MB Charolais 28 21
Lea County
Incident ID: **nAPP2126542912**

Mr. Hensley,

3 Bear Delaware Operating-NM, LLC (3Bear) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and remediation activities are contained herein.

Site Information

The Oil 6" Steel MB Charolais 28 21 is located approximately Twenty (20) miles west of Hobbs, New Mexico. The legal location for this release is Section 28, Township 19 South and Range 35 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.625833 North and -103.470556 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit soils and Dune land, with a 0-12 percent slope. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology in the Ogallala formation in the lower Pliocene to middle Miocene in age and is comprised of eolian deposits derived from sedimentary rock. Drainage courses in this area are well drained [Appendix II](#).

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 22-feet below ground surface (BGS), as referenced in POD (Point of Diversion) record L 14876 POD4. The reference POD indicated that depth to water is 22' (below ground surface) bgs.

Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

Approximate Depth to Groundwater	22 Feet/BGS
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- 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 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 fresh water well or spring
- Yes No Within incorporated municipal boundaries or within a defined Municipal fresh water 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

This release did not occur within any of these areas. However, the impacted area is situated in pasture area, and the analytical data indicates Total Petroleum Hydrocarbons (TPH) in excess of 100 mg/kg. As such, the upper 4-feet of this area will be restored to levels set forth in Table 1, 19.15.29 NMAC closure criteria. Therefore, the reclamation closure criteria for this site will be as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 or SM4500 CI 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 C-141: on or about September 09, 2021, the 6" pipeline had developed a leak. The leak resulted in a release of approximately 36 (barrels) bbl. 3 Bear Energy personnel took proactive measures by dispatching a vac truck that was utilized to recover approximately 4 bbl. of the freestanding fluid ([Appendix III](#)).

Site Assessment

On September 11, 2021 Talon mobilized personnel to begin the site assessment and soil sampling activities of the sidewalls. Dirt work completed by others in an effort to remove saturated soils, revealed that the impacted area had been excavated to depths of approximately 4' to 6' bgs. Composite soil samples were collected within and around the impacted area utilizing a hand auger to the extent that refusal was encountered. All soil samples were properly collected, packaged, preserved, and transported to Hall Laboratories for analysis of Total Chloride analyte (Method EPA 300.0), BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes Method 8021), and TPH (Total Petroleum Hydrocarbons Method 8015 M/D). A complete laboratory report can be found in [Appendix VI](#).

Table I
09/22/2021 Lab Report

Sample ID	Sample Date	Depth (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 + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S. SW-1	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-2	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-3	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
S. SW-4	9/17/2021	7'	ND	ND	ND	46	ND	46	ND
S. SW-5	9/17/2021	4'	ND	ND	ND	160	98	258	ND
	10/4/2021	6'	ND	ND	ND	ND	ND	0	840
S. SW-5A	10/13/2021	7'	ND	ND	ND	ND	ND	ND	80
S. SW-6	9/17/2021	4'	ND	ND	ND	18	ND	18	ND
N. SW-1	9/17/2021	7'	ND	ND	5.3	270	140	415.3	ND
	10/4/2021	7'	ND	ND	ND	ND	ND	0	ND
N.SWA-LR	10/01/1021	5'	ND	ND	ND	ND	ND	ND	160
N. SW-2	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-3	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-4	9/17/2021	7'	ND	ND	ND	ND	ND	0	ND
N. SW-5	9/17/2021	4'	ND	ND	ND	14	ND	14	ND
N. SW-6	9/17/2021	4'	ND	ND	ND	17	ND	17	ND
W. SW	9/17/2021	7'	ND	ND	ND	36	ND	36	ND
E. SW	9/17/2021	4'	ND	ND	ND	23	ND	23	ND

ND= Analyte Not Detected

BH=Bore Hole

SW=Sidewall

R=Refusal

The full laboratory report can be viewed in [Appendix VI](#).

On September 22, 2021, Talon personnel and equipment mobilized to the site in order to vertically delineate the impacted area at and near the source. Two bore holes were advanced utilizing a Geo push rig. At B-2 refusal was encountered at 26 feet bgs. The soil samples were transported to Eurofins Laboratories and analyzed for Total Chlorides, TPH, and BTEX. The results are tabled below for ease of reference.

Table II
9/30/2021

Sample ID	Sample Date	Depth (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 + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
B-1	9/22/2021	8'	15.1	0.07	206	1630	ND	1836	373
	9/22/2021	10'	3.29	ND	49.4	831	ND	880.4	324
	9/22/2021	12-13'	ND	ND	43.3	382	ND	425.3	128
	9/22/2021	14-15'	0.08	ND	30.2	172	ND	202.2	198
	9/22/2021	16-17'	0.01	ND	ND	19.6	ND	19.6	109
	9/22/2021	18'	0.02	ND	ND	ND	ND	0	123
	9/22/2021	21-22'	0.01	ND	ND	ND	ND	0	26.7
	9/22/2021	25-26'	ND	ND	15.7	ND	ND	15.7	49.4
B-2	9/22/2021	8'	6.96	0.1	86.3	278	ND	364.3	66.9
	9/22/2021	10'	0.4	ND	38.5	241	ND	279.5	446
	9/22/2021	12-13'	0.02	ND	ND	24.4	ND	24.4	558
	9/22/2021	14-15'	10.9	ND	237	918	ND	1155	157
	9/22/2021	16-17'	10.8	ND	146	752	ND	898	58
	9/22/2021	18'	ND	ND	303	1070	ND	1373	240
	9/22/2021	21-22'	ND	ND	92	406	ND	498	37.7
	9/22/2021	23-24'	ND	ND	20.5	78.9	ND	99.4	49.4
9/22/2021	26'	ND	ND	469	1210	155	1834	118	
ND = Analyte Not Detected									

The full laboratory report can be viewed in [Appendix VI](#).

Remedial Actions

Due to the results from the aforementioned boring event for vertical delineation; the impacted area has been excavated by 3 Bear Energy from depths of 4' bgs. to 26.5' bgs., or to the extent practicable due to infrastructure. The bottom as well as the sidewalls were advanced and excavated to the extent that, all impacted soils above closure criteria and or the NMOCD recommendations were removed. The south sidewall was extended to encompass a portion of the county road. County permission was obtained, and all safety precautions including traffic control were observed. All excavated material has been transported and disposed of at Lazy Ace Landfill, an NMOCD approved facility. Excavation and sample area maps are attached in [Appendix I](#).

Confirmation soil samples were collected approximately every 200 square feet on the sidewalls and of the excavation bottom on a composite basis, and analyzed for Total Chlorides, BTEX, and TPH confirming the levels left in place. The site excavation maps complete with sample positions are attached in [Appendix I](#). All soil samples were properly retrieved, preserved, and transported to Hall Laboratories. The complete laboratory reports are attached in [Appendix VI](#)

Closure

Pursuant to NMOCD guidelines the excavation was advanced vertically and horizontally to the extent that the sidewalls and excavation floor tested for chlorides <600 mg/kg, and TPH <100 mg/kg. The excavation in the pasture area was backfilled with fresh, clean caliche to within 4 feet of surface, and capped with native topsoil, then seeded with BLM (Bureau of Land Management) LPC seed mixture (Appendix V) in order to facilitate vegetation. The impacted area in the county lease road was backfilled with clean caliche, compacted and restored to grade, as documented with photo's (Appendix IV).

Talon LPE, on behalf of 3 Bear Energy respectfully submits this closure report, requesting that no further action be required and the regulatory file be closed.

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

Respectfully submitted,

TALON/LPE

Rebecca Pons
Senior Environmental Project Manager

Attachments:

- Appendix I Site Maps
- Appendix II Soil Survey, Groundwater Data, and Boring Log
- Appendix III C-141 Forms
- Appendix IV Photo Documentation
- Appendix V Seed Tags
- Appendix VI Laboratory Data



APPENDIX I

SITE MAP

KARST MAP

TOPO MAP

LOCATION MAP

Charolais 6" pipeline

3 Bear Energy LLC
Lea County, NM
Excavation Map

Legend

-  Excavation
-  Sample Point



100 ft



Charolais 6" pipeline

3 Bear Energy LLC
Lea County, NM
Confirmation Map

Legend

-  Excavation
-  Sample Point



90 ft



3 Bear Energy Charolais 6" Pipeline

Section 28 T19S R35E
Lea County

Karst Map

Legend

-  Charolais 6" Pipeline
-  High
-  Low
-  Medium

 Charolais 6" Pipeline

Survey



3 Bear Energy 6 Steel Charolais

Lea County, NM

TOPO Map

Legend

- Charolais 6"



3 Bear Energy Charolais 6" Pipeline

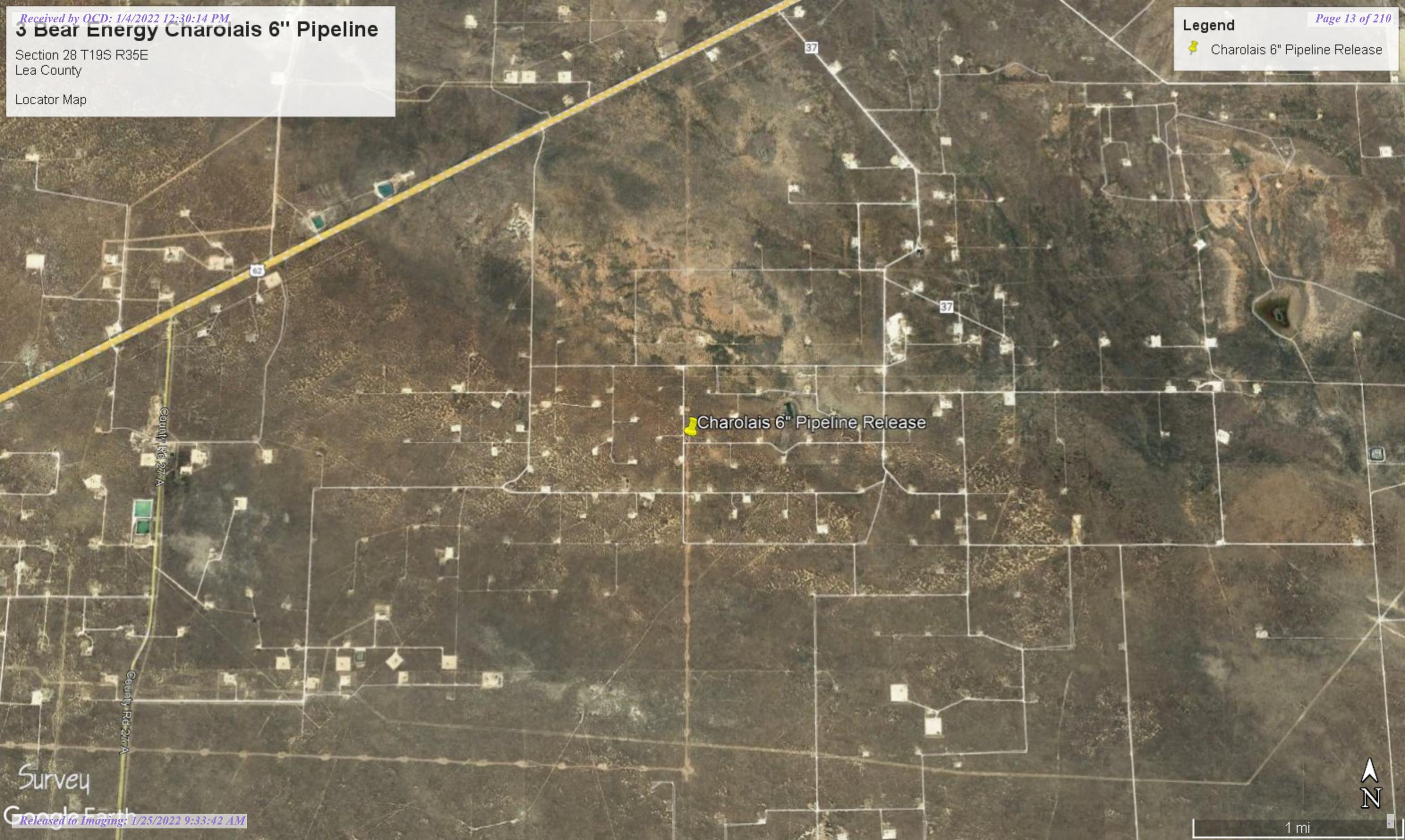
Section 28 T19S R35E

Lea County

Locator Map

Legend

 Charolais 6" Pipeline Release



 Charolais 6" Pipeline Release

Survey



1 mi



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY



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 14	Q 4	Q 27	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
L_14876 POD14	L	LE		2	1	2	32	19S	35E		643023	3610529	553			
L_14876 POD3	L	LE		2	1	2	32	19S	35E		643014	3610535	558	40	0	40
L_14876 POD7	L	LE		2	1	2	32	19S	35E		643026	3610515	559		19	
L_14876 POD4	L	LE		2	1	2	32	19S	35E		643016	3610516	567	25	22	3
L_14876 POD9	L	LE		2	1	2	32	19S	35E		643000	3610508	584			
L_14876 POD11	L	LE		2	1	2	32	19S	35E		642990	3610522	585			
L_14876 POD5	L	LE		2	1	2	32	19S	35E		642992	3610517	586			
L_14876 POD10	L	LE		2	1	2	32	19S	35E		642998	3610500	591			
L_14876 POD1	L	LE		2	1	2	32	19S	35E		643011	3610472	597	25	0	25
L_14876 POD8	L	LE		2	1	2	32	19S	35E		642983	3610507	599			
L_14876 POD13	L	LE		2	1	2	32	19S	35E		642987	3610500	600		18	
L_14876 POD12	L	LE		2	1	2	32	19S	35E		642974	3610515	602			
L_14876 POD2	L	LE		2	1	2	32	19S	35E		642992	3610483	606	37	28	9
L_12473 POD1	L	LE		2	1	2	27	19S	38E		643913	3612109	1339	105	60	45
L_12746 POD1	L	LE		4	2	4	27	19S	38E		643913	3612109	1339	128	58	70
L_02250	L	LE		1	3	3	22	19S	35E		645137	3612586*	2405	50	20	30
L_03843	L	LE			3	3	22	19S	35E		645238	3612487*	2407	73	27	46
L_04101	L	LE			3	3	22	19S	35E		645238	3612487*	2407	50	35	15
L_14552 POD12	L	LE		2	3	2	04	20S	35E		644535	3608505	2561	1389		
L_03844	L	LE			1	3	22	19S	35E		645232	3612891*	2695	71	27	44
L_04158	L	LE			2	4	05	20S	35E		643290	3608008*	2839	70	64	6
L_04290	L	LE			3	4	1	22	19S	35E	645528	3613198*	3121	45	18	27
L_09569	L	LE			4	3	17	19S	35E		642394	3614063*	3400	80	30	50
L_08941	L	LE			2	3	3	19	19S	35E	640510	3612523	3415	600	286	314
L_08234 S2	L	LE				3	17	19S	35E		642192	3614259*	3653	126	80	46
L_09468	L	LE				3	3	15	19S	35E	645214	3614102*	3692	52	28	24
L_08234	L	LE			2	2	3	17	19S	35E	642487	3614566*	3855	120	90	30
L_04583	L	LE				4	3	15	19S	35E	645617	3614107*	3902	55	18	37
CP_00683 POD1	CP	LE			3	3	4	25	19S	34E	639530	3610685*	3954	120	28	92
L_04157	L	LE				3	3	06	20S	35E	640483	3607561*	4443	70	64	6
L_04116 S	L	LE				1	2	02	20S	35E	647710	3608881*	4660	55	50	5
L_08234 S	L	LE			4	4	1	18	19S	35E	640871	3614751*	4701	106	60	46
L_04763	L	LE			4	1	1	15	19S	35E	645295	3615211*	4731	75	20	55

Custom Soil Resource Report
Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:1,150 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
 Survey Area Data: Version 17, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Lea County, New Mexico**KM—Kermit soils and Dune land, 0 to 12 percent slopes****Map Unit Setting**

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit**Setting**

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC022NM - Sandhills
Hydric soil rating: No

Custom Soil Resource Report

Description of Dune Land

Setting

Landform: Dunes

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex, linear, concave

Across-slope shape: Convex

Typical profile

A - 0 to 6 inches: fine sand

C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8e

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Pyote

Percent of map unit: 3 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Wink

Percent of map unit: 2 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No



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

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

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

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: 3 Bear Delaware Operating – NM, LLC	OGRID: 372603
Contact Name: Liz Klein	Contact Telephone: (303) 882-4404
Contact email: lklein@3bearllc.com	Incident # (assigned by OCD)
Contact mailing address 1512 Larimer St. Suite 540, Denver, CO 80202	

Location of Release Source

Latitude 32.625833 Longitude -103.470556
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: OIL 6" STEEL MB Charolais 28 21	Site Type: Pipeline
Date Release Discovered: 9/9/2021	API# (if applicable):

Unit Letter	Section	Township	Range	County
	28	19S	35E	Lea

Surface Owner: State Federal Tribal Private

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Initial estimated based on aerial extent 6 bbls on the surface (determined by surface volume length x width x depth). Based on soils excavated it is estimated another 30 bbls of oil in the impacted soil. Total volume released 36 bbls	Volume Recovered (bbls) 4 bbls recovered from surface by a hydrovac and remaining 32 bbls recovered by soil excavation
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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 type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

Cause of Release: Pipe failure. Investigating cause of failure. Pipe sent to laboratory for analysis.	
Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Because the spill was greater than 25 bbls in volume this incident is considered 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 notification was given by email by Elisabeth Klein, 3Bear Energy, on 9/14/2021 to Mike Bratcher and emnrd-ocd-district1spills@state.nm.us ; however, at the time it was reported as a 6 bbls spill since investigation and excavation was still ongoing. The notice was given because the spill occurred on state land. GPS coordinates received on 9/9/2021 were incorrect. When it was determined the spill occurred on state land; the New Mexico State Land Office and OCD were notified.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> 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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

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

Printed Name: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 9/24/2021

email: lklein@3bearllc.com Telephone: (303) 882-4404

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 11/15/2021

email: lklein@3bearkllc.com Telephone: 303-882-4404

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2126542912
District RP	
Facility ID	
Application ID	

Closure

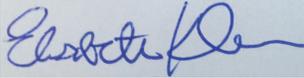
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: Elisabeth Klein Title: Director, EHS Regulatory Compliance

Signature:  Date: 11/15/2021

email: lklein@3bearllc.com Telephone: 303-882-4404

OCD Only

Received by: Chad Hensley Date: 01/25/2022

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: 01/25/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced



APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

3 Bear Delaware Operating Oil 6" Steel MB Charolais 28 21

PHOTO DOCUMENTATION



6" Line Exposed-Source and surfactant impact



Spill Run looking East-North of county lease rd.



Spill Run looking East-Excavated



Source excavated to 25 feet bgs.



County lease road excavated (S. Sidewall)



S. Sidewall of lease road

3 Bear Delaware Operating Oil 6" Steel MB Charolais 28 21



Excavation of N. Sidewall

Completion Photo



Backfilled to grade



APPENDIX V

SEED TAG

Curtis and Curtis Seed
4500 North Prince
Clovis, NM 88101
Phone: (575) 762-4759

BLM LCP Seed Mix

Lot# 1473

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date
Plains Bristlegrass	Oklahoma	18.48%	6.00%	93.00%	99.00%	01/19
Variety Not Stated						
Sand Bluestem	Nebraska	18.48%	87.00%	12.00%	99.00%	05/19
Goldstriker						
Little Bluestem	Kansas	11.44%	36.00%	60.00%	96.00%	12/18
Cimarron						
Big Bluestem	Texas	22.87%	96.00%	0.00%	96.00%	11/18
Kaw						
Coreopsis	Oregon	7.55%	91.00%	6.00%	97.00%	05/19
Plains						
Sand Dropseed	Colorado	3.90%	3.00%	91.00%	94.00%	05/19
Variety Not Stated						

Other Crop: 0.10% There Are 1 Bags For This Mix
 Weed Seed: 0.17% This Bag Weighs 27.33 Bulk Pounds
 Inert Matter: 17.02% Use This Bag For 1 Acres Broadcast Rate
 Noxious: None

Total Bulk Pounds: 27.33

1 Acre 702248.033.01

Curtis and Curtis Seed
4500 North Prince
Clovis, NM 88101
Phone: (575) 762-4759

BLM LCP Seed Mix

Lot# 1473

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date
Plains Bristlegrass	Oklahoma	18.48%	6.00%	93.00%	99.00%	01/19
Variety Not Stated						
Sand Bluestem	Nebraska	18.48%	87.00%	12.00%	99.00%	05/19
Goldstriker						
Little Bluestem	Kansas	11.44%	36.00%	60.00%	96.00%	12/18
Cimarron						
Big Bluestem	Texas	22.87%	96.00%	0.00%	96.00%	11/18
Kaw						
Coreopsis	Oregon	7.55%	91.00%	6.00%	97.00%	05/19
Plains						
Sand Dropseed	Colorado	3.90%	3.00%	91.00%	94.00%	05/19
Variety Not Stated						

Other Crop: 0.10% There Are 2 Bags For This Mix
 Weed Seed: 0.17% This Bag Weighs 27.33 Bulk Pounds
 Inert Matter: 17.02% Use This Bag For 1 Acres Broadcast Rate
 Noxious: None

Total Bulk Pounds: 54.66

2 acre 702248.036.01



APPENDIX VI LABORATORY DATA



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

September 22, 2021

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

RE: Charolais 6 inch Pipeline

OrderNo.: 2109653

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 12 sample(s) on 9/14/2021 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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:35:00 AM

Lab ID: 2109653-001

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 8:43:59 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	25	8.7		mg/Kg	1	9/15/2021 1:07:02 PM	62578
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/15/2021 1:07:02 PM	62578
Surr: DNOP	109	70-130		%Rec	1	9/15/2021 1:07:02 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Surr: BFB	108	70-130		%Rec	1	9/15/2021 11:10:47 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Toluene	ND	0.050		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Ethylbenzene	ND	0.050		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 11:10:47 AM	62575
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	9/15/2021 11:10:47 AM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:38:00 AM

Lab ID: 2109653-002

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 8:56:23 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	2000	95		mg/Kg	10	9/15/2021 1:36:10 PM	62578
Motor Oil Range Organics (MRO)	760	470		mg/Kg	10	9/15/2021 1:36:10 PM	62578
Surr: DNOP	0	70-130	S	%Rec	10	9/15/2021 1:36:10 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	60	24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Surr: BFB	190	70-130	S	%Rec	5	9/15/2021 3:54:08 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Toluene	0.30	0.24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Ethylbenzene	0.92	0.24		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Xylenes, Total	1.5	0.48		mg/Kg	5	9/15/2021 3:54:08 PM	62575
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	9/15/2021 3:54:08 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:41:00 AM

Lab ID: 2109653-003

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 9:08:48 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	30	8.8		mg/Kg	1	9/15/2021 1:46:07 PM	62578
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/15/2021 1:46:07 PM	62578
Surr: DNOP	115	70-130		%Rec	1	9/15/2021 1:46:07 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Surr: BFB	105	70-130		%Rec	1	9/15/2021 11:34:16 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Toluene	ND	0.049		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Ethylbenzene	ND	0.049		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 11:34:16 AM	62575
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	9/15/2021 11:34:16 AM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 9:44:00 AM

Lab ID: 2109653-004

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 9:21:12 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	1500	19		mg/Kg	2	9/16/2021 12:44:00 PM	62578
Motor Oil Range Organics (MRO)	630	93		mg/Kg	2	9/16/2021 12:44:00 PM	62578
Surr: DNOP	89.5	70-130		%Rec	2	9/16/2021 12:44:00 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	88	24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Surr: BFB	235	70-130	S	%Rec	5	9/15/2021 5:29:00 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Toluene	0.27	0.24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Ethylbenzene	1.4	0.24		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Xylenes, Total	2.3	0.49		mg/Kg	5	9/15/2021 5:29:00 PM	62575
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	5	9/15/2021 5:29:00 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:00:00 AM

Lab ID: 2109653-005

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	9/15/2021 9:33:36 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	46	9.8		mg/Kg	1	9/15/2021 2:06:01 PM	62578
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2021 2:06:01 PM	62578
Surr: DNOP	114	70-130		%Rec	1	9/15/2021 2:06:01 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Surr: BFB	105	70-130		%Rec	1	9/15/2021 11:57:44 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Toluene	ND	0.050		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Ethylbenzene	ND	0.050		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Xylenes, Total	ND	0.10		mg/Kg	1	9/15/2021 11:57:44 AM	62575
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	9/15/2021 11:57:44 AM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:03:00 AM

Lab ID: 2109653-006

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 10:10:49 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	54	9.7		mg/Kg	1	9/15/2021 2:15:55 PM	62578
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/15/2021 2:15:55 PM	62578
Surr: DNOP	100	70-130		%Rec	1	9/15/2021 2:15:55 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Surr: BFB	106	70-130		%Rec	1	9/15/2021 12:21:16 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Toluene	ND	0.049		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Ethylbenzene	ND	0.049		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Xylenes, Total	ND	0.099		mg/Kg	1	9/15/2021 12:21:16 PM	62575
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	9/15/2021 12:21:16 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:06:00 AM

Lab ID: 2109653-007

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 10:23:13 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	9/15/2021 2:25:49 PM	62578
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	9/15/2021 2:25:49 PM	62578
Surr: DNOP	103	70-130		%Rec	1	9/15/2021 2:25:49 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Surr: BFB	105	70-130		%Rec	5	9/15/2021 9:59:59 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.23	0.12		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Toluene	0.36	0.24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Ethylbenzene	ND	0.24		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Xylenes, Total	ND	0.48		mg/Kg	5	9/15/2021 9:59:59 AM	62575
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	5	9/15/2021 9:59:59 AM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:09:00 AM

Lab ID: 2109653-008

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 10:35:37 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/15/2021 2:35:44 PM	62578
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/15/2021 2:35:44 PM	62578
Surr: DNOP	105	70-130		%Rec	1	9/15/2021 2:35:44 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Surr: BFB	107	70-130		%Rec	1	9/15/2021 12:44:48 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.048	0.024		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Toluene	0.11	0.048		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Ethylbenzene	0.050	0.048		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Xylenes, Total	ND	0.096		mg/Kg	1	9/15/2021 12:44:48 PM	62575
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/15/2021 12:44:48 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:30:00 AM

Lab ID: 2109653-009

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	60		mg/Kg	20	9/15/2021 10:48:02 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/15/2021 2:45:37 PM	62578
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/15/2021 2:45:37 PM	62578
Surr: DNOP	105	70-130		%Rec	1	9/15/2021 2:45:37 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Surr: BFB	107	70-130		%Rec	1	9/15/2021 2:19:12 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.080	0.023		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Toluene	0.078	0.047		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Ethylbenzene	ND	0.047		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Xylenes, Total	ND	0.093		mg/Kg	1	9/15/2021 2:19:12 PM	62575
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	9/15/2021 2:19:12 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:33:00 AM

Lab ID: 2109653-010

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	71	60		mg/Kg	20	9/16/2021 7:57:38 AM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	19000	1000		mg/Kg	100	9/16/2021 2:47:10 PM	62578
Motor Oil Range Organics (MRO)	7500	5000		mg/Kg	100	9/16/2021 2:47:10 PM	62578
Surr: DNOP	0	70-130	S	%Rec	100	9/16/2021 2:47:10 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	4800	240		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Surr: BFB	408	70-130	S	%Rec	50	9/15/2021 10:23:35 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	26	1.2		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Toluene	210	2.4		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Ethylbenzene	190	2.4		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Xylenes, Total	220	4.7		mg/Kg	50	9/15/2021 10:23:35 AM	62575
Surr: 4-Bromofluorobenzene	142	70-130	S	%Rec	50	9/15/2021 10:23:35 AM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW1 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:36:00 AM

Lab ID: 2109653-011

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/15/2021 11:12:50 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	35	9.9		mg/Kg	1	9/16/2021 1:36:01 PM	62578
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/16/2021 1:36:01 PM	62578
Surr: DNOP	88.7	70-130		%Rec	1	9/16/2021 1:36:01 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Surr: BFB	108	70-130		%Rec	5	9/15/2021 2:42:54 PM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.20	0.12		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Toluene	0.24	0.24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Ethylbenzene	ND	0.24		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Xylenes, Total	ND	0.48		mg/Kg	5	9/15/2021 2:42:54 PM	62575
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	5	9/15/2021 2:42:54 PM	62575

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 **2109653**

Date Reported: **9/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW2 6'

Project: Charolais 6 inch Pipeline

Collection Date: 9/11/2021 10:39:00 AM

Lab ID: 2109653-012

Matrix: SOIL

Received Date: 9/14/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2500	300		mg/Kg	100	9/15/2021 11:25:15 PM	62598
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	24000	940		mg/Kg	100	9/16/2021 3:00:22 PM	62578
Motor Oil Range Organics (MRO)	8900	4700		mg/Kg	100	9/16/2021 3:00:22 PM	62578
Surr: DNOP	0	70-130	S	%Rec	100	9/16/2021 3:00:22 PM	62578
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	14000	240		mg/Kg	50	9/15/2021 10:47:15 AM	62575
Surr: BFB	581	70-130	S	%Rec	50	9/15/2021 10:47:15 AM	62575
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	260	12		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Toluene	980	24		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Ethylbenzene	480	24		mg/Kg	500	9/15/2021 6:16:28 PM	62575
Xylenes, Total	470	4.9		mg/Kg	50	9/15/2021 10:47:15 AM	62575
Surr: 4-Bromofluorobenzene	178	70-130	S	%Rec	50	9/15/2021 10:47:15 AM	62575

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#: 2109653

22-Sep-21

Client: Talon Artesia
Project: Charolais 6 inch Pipeline

Sample ID: MB-62598	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62598	RunNo: 81279								
Prep Date: 9/15/2021	Analysis Date: 9/15/2021	SeqNo: 2871600	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62598	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62598	RunNo: 81279								
Prep Date: 9/15/2021	Analysis Date: 9/15/2021	SeqNo: 2871601	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	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#: 2109653

22-Sep-21

Client: Talon Artesia
Project: Charolais 6 inch Pipeline

Sample ID: LCS-62590	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62590	RunNo: 81280								
Prep Date: 9/15/2021	Analysis Date: 9/15/2021	SeqNo: 2870379	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.6		5.000		112	70	130			

Sample ID: MB-62590	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62590	RunNo: 81280								
Prep Date: 9/15/2021	Analysis Date: 9/15/2021	SeqNo: 2870380	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	70	130			

Sample ID: LCS-62578	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62578	RunNo: 81280								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2870568	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.3	68.9	135			
Surr: DNOP	5.7		5.000		114	70	130			

Sample ID: MB-62578	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62578	RunNo: 81280								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2870570	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: 2109653-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1 6'	Batch ID: 62578	RunNo: 81280								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871214	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.0	44.92	24.70	78.5	39.3	155			
Surr: DNOP	5.6		4.492		124	70	130			

Sample ID: 2109653-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1 6'	Batch ID: 62578	RunNo: 81280								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871215	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	8.6	42.92	24.70	83.9	39.3	155	1.24	23.4	

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#: 2109653

22-Sep-21

Client: Talon Artesia
Project: Charolais 6 inch Pipeline

Sample ID: 2109653-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1 6'	Batch ID: 62578	RunNo: 81280								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871215			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		4.292		121	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#: 2109653

22-Sep-21

Client: Talon Artesia
Project: Charolais 6 inch Pipeline

Sample ID: mb-62575	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871491	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	1000		1000		103	70	130			

Sample ID: lcs-62575	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871492	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	122	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: 2109653-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1 6'	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871494	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	24.88	0	127	61.3	114			S
Surr: BFB	1200		995.0		122	70	130			

Sample ID: 2109653-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1 6'	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871495	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	33	4.9	24.30	0	134	61.3	114	3.65	20	S
Surr: BFB	1200		971.8		123	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#: 2109653

22-Sep-21

Client: Talon Artesia
Project: Charolais 6 inch Pipeline

Sample ID: mb-62575	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871528	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	0.89		1.000		89.1	70	130			

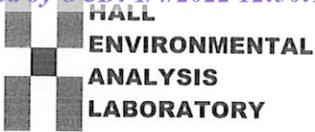
Sample ID: LCS-62575	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871529	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: 2109653-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2 6'	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871533	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.12	0.9804	0.07335	99.1	80	120			
Toluene	1.3	0.25	0.9804	0.2963	102	80	120			
Ethylbenzene	1.9	0.25	0.9804	0.9214	96.7	80	120			
Xylenes, Total	4.4	0.49	2.941	1.476	98.3	80	120			
Surr: 4-Bromofluorobenzene	4.9		4.902		99.6	70	130			

Sample ID: 2109653-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2 6'	Batch ID: 62575	RunNo: 81305								
Prep Date: 9/14/2021	Analysis Date: 9/15/2021	SeqNo: 2871534	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.12	0.9775	0.07335	97.8	80	120	1.47	20	
Toluene	1.3	0.24	0.9775	0.2963	101	80	120	1.13	20	
Ethylbenzene	1.9	0.24	0.9775	0.9214	97.5	80	120	0.281	20	
Xylenes, Total	4.4	0.49	2.933	1.476	98.9	80	120	0.188	20	
Surr: 4-Bromofluorobenzene	5.0		4.888		102	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



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: 2109653 RcptNo: 1

Received By: Cheyenne Cason 9/14/2021 7:20:00 AM

Completed By: Sean Livingston 9/14/2021 8:12:00 AM

Reviewed By: SPA 9.14.21

Handwritten signatures: Cason, Sean Livingston

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: jn 9/14/21

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, 0.9, Good, [], [], []



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

September 24, 2021

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

RE: Charolais 6 Pipeline

OrderNo.: 2109996

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 14 sample(s) on 9/18/2021 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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-1 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:30:00 AM

Lab ID: 2109996-001

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	9/21/2021 2:58:10 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/21/2021 1:21:17 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 1:21:17 PM	62690
Surr: DNOP	80.6	70-130		%Rec	1	9/21/2021 1:21:17 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Surr: BFB	93.2	70-130		%Rec	1	9/21/2021 12:16:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 12:16:00 PM	62677
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	9/21/2021 12:16:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-2 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:33:00 AM

Lab ID: 2109996-002

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 3:35:25 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/21/2021 1:33:35 PM	62690
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/21/2021 1:33:35 PM	62690
Surr: DNOP	91.5	70-130		%Rec	1	9/21/2021 1:33:35 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Surr: BFB	89.8	70-130		%Rec	1	9/21/2021 12:36:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 12:36:00 PM	62677
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	9/21/2021 12:36:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-3 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:36:00 AM

Lab ID: 2109996-003

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 3:47:50 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2021 1:46:03 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 1:46:03 PM	62690
Surr: DNOP	93.9	70-130		%Rec	1	9/21/2021 1:46:03 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Surr: BFB	91.4	70-130		%Rec	1	9/21/2021 12:55:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 12:55:00 PM	62677
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	1	9/21/2021 12:55:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-4 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:39:00 AM

Lab ID: 2109996-004

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 4:00:15 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	46	9.8		mg/Kg	1	9/21/2021 1:58:46 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 1:58:46 PM	62690
Surr: DNOP	90.7	70-130		%Rec	1	9/21/2021 1:58:46 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Surr: BFB	97.3	70-130		%Rec	1	9/21/2021 1:15:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Toluene	ND	0.050		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Ethylbenzene	ND	0.050		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 1:15:00 PM	62677
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	9/21/2021 1:15:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-5 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:42:00 AM

Lab ID: 2109996-005

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 4:12:40 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	160	9.5		mg/Kg	1	9/21/2021 2:11:17 PM	62690
Motor Oil Range Organics (MRO)	98	48		mg/Kg	1	9/21/2021 2:11:17 PM	62690
Surr: DNOP	90.0	70-130		%Rec	1	9/21/2021 2:11:17 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Surr: BFB	96.0	70-130		%Rec	1	9/21/2021 1:35:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 1:35:00 PM	62677
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	9/21/2021 1:35:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-6 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:45:00 AM

Lab ID: 2109996-006

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 4:25:04 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	18	9.7		mg/Kg	1	9/21/2021 2:36:45 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 2:36:45 PM	62690
Surr: DNOP	87.7	70-130		%Rec	1	9/21/2021 2:36:45 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Surr: BFB	92.0	70-130		%Rec	1	9/21/2021 2:33:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 2:33:00 PM	62677
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	9/21/2021 2:33:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-1 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:50:00 AM

Lab ID: 2109996-007

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 4:37:28 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	270	9.8		mg/Kg	1	9/21/2021 2:49:25 PM	62690
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	9/21/2021 2:49:25 PM	62690
Surr: DNOP	79.3	70-130		%Rec	1	9/21/2021 2:49:25 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	5.3	4.9		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Surr: BFB	121	70-130		%Rec	1	9/21/2021 2:53:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 2:53:00 PM	62677
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	9/21/2021 2:53:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-2 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:53:00 AM

Lab ID: 2109996-008

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 4:49:53 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/21/2021 3:14:54 PM	62690
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/21/2021 3:14:54 PM	62690
Surr: DNOP	109	70-130		%Rec	1	9/21/2021 3:14:54 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Surr: BFB	89.6	70-130		%Rec	1	9/21/2021 3:13:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 3:13:00 PM	62677
Surr: 4-Bromofluorobenzene	77.3	70-130		%Rec	1	9/21/2021 3:13:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-3 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:56:00 AM

Lab ID: 2109996-009

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 5:02:17 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/21/2021 3:27:43 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 3:27:43 PM	62690
Surr: DNOP	105	70-130		%Rec	1	9/21/2021 3:27:43 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Surr: BFB	90.5	70-130		%Rec	1	9/21/2021 3:32:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 3:32:00 PM	62677
Surr: 4-Bromofluorobenzene	78.8	70-130		%Rec	1	9/21/2021 3:32:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-4 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 11:59:00 AM

Lab ID: 2109996-010

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	9/21/2021 5:14:41 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/21/2021 3:40:20 PM	62690
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/21/2021 3:40:20 PM	62690
Surr: DNOP	96.2	70-130		%Rec	1	9/21/2021 3:40:20 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Surr: BFB	94.8	70-130		%Rec	1	9/21/2021 3:52:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 3:52:00 PM	62677
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	9/21/2021 3:52:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-5 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:02:00 PM

Lab ID: 2109996-011

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 5:27:06 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	9/21/2021 3:53:06 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 3:53:06 PM	62690
Surr: DNOP	94.2	70-130		%Rec	1	9/21/2021 3:53:06 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Surr: BFB	91.7	70-130		%Rec	1	9/21/2021 4:12:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 4:12:00 PM	62677
Surr: 4-Bromofluorobenzene	77.5	70-130		%Rec	1	9/21/2021 4:12:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-6 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:05:00 PM

Lab ID: 2109996-012

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 6:04:19 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	17	9.7		mg/Kg	1	9/21/2021 4:05:40 PM	62690
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/21/2021 4:05:40 PM	62690
Surr: DNOP	98.2	70-130		%Rec	1	9/21/2021 4:05:40 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Surr: BFB	96.4	70-130		%Rec	1	9/21/2021 4:31:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Xylenes, Total	ND	0.097		mg/Kg	1	9/21/2021 4:31:00 PM	62677
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	9/21/2021 4:31:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W.SW 7'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:10:00 PM

Lab ID: 2109996-013

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/21/2021 6:16:43 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	36	9.8		mg/Kg	1	9/21/2021 4:18:26 PM	62690
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/21/2021 4:18:26 PM	62690
Surr: DNOP	80.6	70-130		%Rec	1	9/21/2021 4:18:26 PM	62690
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Surr: BFB	96.1	70-130		%Rec	1	9/21/2021 4:51:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Xylenes, Total	ND	0.098		mg/Kg	1	9/21/2021 4:51:00 PM	62677
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	9/21/2021 4:51:00 PM	62677

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 **2109996**

Date Reported: **9/24/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E.SW 4'

Project: Charolais 6 Pipeline

Collection Date: 9/17/2021 12:15:00 PM

Lab ID: 2109996-014

Matrix: SOIL

Received Date: 9/18/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	9/21/2021 6:29:08 PM	62706
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	23	9.3		mg/Kg	1	9/21/2021 1:01:58 PM	62694
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/21/2021 1:01:58 PM	62694
Surr: DNOP	119	70-130		%Rec	1	9/21/2021 1:01:58 PM	62694
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Surr: BFB	94.7	70-130		%Rec	1	9/21/2021 5:11:00 PM	62677
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Toluene	ND	0.049		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Ethylbenzene	ND	0.049		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Xylenes, Total	ND	0.099		mg/Kg	1	9/21/2021 5:11:00 PM	62677
Surr: 4-Bromofluorobenzene	76.9	70-130		%Rec	1	9/21/2021 5:11:00 PM	62677

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#: 2109996

24-Sep-21

Client: Talon Artesia
Project: Charolais 6 Pipeline

Sample ID: MB-62706	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62706	RunNo: 81415								
Prep Date: 9/21/2021	Analysis Date: 9/21/2021	SeqNo: 2877535	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62706	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62706	RunNo: 81415								
Prep Date: 9/21/2021	Analysis Date: 9/21/2021	SeqNo: 2877536	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	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#: 2109996

24-Sep-21

Client: Talon Artesia
Project: Charolais 6 Pipeline

Sample ID: 2109996-014AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: E.SW 4'	Batch ID: 62694	RunNo: 81459								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878297	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	72	9.6	48.17	23.48	100	39.3	155			
Surr: DNOP	5.2		4.817		107	70	130			

Sample ID: 2109996-014AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: E.SW 4'	Batch ID: 62694	RunNo: 81459								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878298	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	82	9.5	47.26	23.48	123	39.3	155	13.2	23.4	
Surr: DNOP	5.7		4.726		120	70	130	0	0	

Sample ID: LCS-62694	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62694	RunNo: 81459								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878299	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.9	68.9	135			
Surr: DNOP	5.2		5.000		105	70	130			

Sample ID: MB-62694	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62694	RunNo: 81459								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878300	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		101	70	130			

Sample ID: MB-62690	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62690	RunNo: 81461								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878558	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		100	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#: 2109996

24-Sep-21

Client: Talon Artesia
Project: Charolais 6 Pipeline

Sample ID: LCS-62690	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62690	RunNo: 81461								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2878559	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	68.9	135			
Surr: DNOP	5.1		5.000		103	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#: 2109996

24-Sep-21

Client: Talon Artesia
Project: Charolais 6 Pipeline

Sample ID: mb-62677	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62677	RunNo: 81447								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2877395	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	890		1000		88.8	70	130			

Sample ID: ics-62677	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62677	RunNo: 81447								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2877397	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	25.00	0	123	78.6	131			
Surr: BFB	1100		1000		111	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#: 2109996

24-Sep-21

Client: Talon Artesia
Project: Charolais 6 Pipeline

Sample ID: mb-62677	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62677	RunNo: 81447								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2877443	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		78.5	70	130			

Sample ID: ics-62677	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62677	RunNo: 81447								
Prep Date: 9/20/2021	Analysis Date: 9/21/2021	SeqNo: 2877445	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.5	70	130			

Qualifiers:

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



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: 2109996 RcptNo: 1

Received By: Sean Livingston 9/18/2021 9:00:00 AM

Signature of Sean Livingston

Completed By: Sean Livingston 9/18/2021 9:47:41 AM

Signature of Sean Livingston

Reviewed By: See analysis

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: [signature] 9/18/21

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, 5.2, Good, [], [], []

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: On file

Phone #: _____

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other EDD (Type) _____

Turn-Around Time: Standard Rush 48 hr

Project Name: Charoia's 6 pipeline (char)

Project #: 702958.003.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CFI): 5.2 ± 0.5.2 (°C)



www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX / MTBE / TMB's (8021)	X	
TPH:8015D(GRO / DRO / MRO)	X	
8081 Pesticides/8082 PCB's		
EDB (Method 504.1)		
PAHs by 8310 or 8270SIMS		
RCRA 8 Metals		
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	X	
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)		

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9-17-11	11:30	Soil	S.SW-1 7'	Glass Jar	Ice/Cool	2109999
	11:33		S.SW-2 7'			002
	11:36		S.SW-3 7'			003
	11:39		S.SW-4 7'			004
	11:42		S.SW-5 4'			005
	11:43		S.SW-6 4'			006
	11:50		N.SW-1 7'			007
	11:53		N.SW-2 7'			008
	11:56		N.SW-3 7'			009
	11:59		N.SW-4 7'			010
	12:02		N.SW-5 4'			011
	12:05		N.SW-6 4'			012

Relinquished by: [Signature] Date: 9/17/11 Time: 1300

Relinquished by: [Signature] Date: 9/17/11 Time: 1900

Received by: [Signature] Date: 9/17/11 Time: 1300

Received by: [Signature] Date: 9/18/11 Time: 9:00

Via: See carrier

Remarks: Page 1 of 2



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

October 12, 2021

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

RE: Charolais 6 inch Line

OrderNo.: 2110476

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/8/2021 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 **2110476**

Date Reported: **10/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NSWA-L4 5'

Project: Charolais 6 inch Line

Collection Date: 10/1/2021 11:12:00 AM

Lab ID: 2110476-001

Matrix: SOIL

Received Date: 10/8/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	160	60		mg/Kg	20	10/9/2021 2:48:43 PM	63176
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/11/2021 1:51:13 PM	63164
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2021 1:51:13 PM	63164
Surr: DNOP	87.1	70-130		%Rec	1	10/11/2021 1:51:13 PM	63164
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Surr: BFB	89.7	70-130		%Rec	1	10/11/2021 9:48:00 PM	63161
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Toluene	ND	0.048		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2021 9:48:00 PM	63161
Surr: 4-Bromofluorobenzene	75.2	70-130		%Rec	1	10/11/2021 9:48:00 PM	63161

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 **2110476**

Date Reported: **10/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NW Bottom 26'

Project: Charolais 6 inch Line

Collection Date: 10/1/2021 11:18:00 AM

Lab ID: 2110476-002

Matrix: SOIL

Received Date: 10/8/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	10/9/2021 3:01:07 PM	63176
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/11/2021 2:03:58 PM	63164
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2021 2:03:58 PM	63164
Surr: DNOP	87.3	70-130		%Rec	1	10/11/2021 2:03:58 PM	63164
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Surr: BFB	88.8	70-130		%Rec	1	10/11/2021 10:07:00 PM	63161
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Toluene	ND	0.046		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Ethylbenzene	ND	0.046		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Xylenes, Total	ND	0.092		mg/Kg	1	10/11/2021 10:07:00 PM	63161
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	10/11/2021 10:07:00 PM	63161

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#: 2110476

12-Oct-21

Client: Talon Artesia
Project: Charolais 6 inch Line

Sample ID: MB-63176	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63176	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/9/2021	SeqNo: 2899577	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63176	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63176	RunNo: 81925								
Prep Date: 10/9/2021	Analysis Date: 10/9/2021	SeqNo: 2899584	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	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#: 2110476

12-Oct-21

Client: Talon Artesia
Project: Charolais 6 inch Line

Sample ID: MB-63164	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63164	RunNo: 81939								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2900398	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	8.5		10.00		84.9	70	130			

Sample ID: LCS-63164	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63164	RunNo: 81939								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2900403	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	68.9	135			
Surr: DNOP	4.4		5.000		87.3	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#: 2110476

12-Oct-21

Client: Talon Artesia
Project: Charolais 6 inch Line

Sample ID: mb-63161	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901240	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		98.6	70	130			

Sample ID: ics-63161	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901242	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		106	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#: 2110476

12-Oct-21

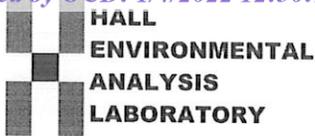
Client: Talon Artesia
Project: Charolais 6 inch Line

Sample ID: mb-63161	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901288	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	0.83		1.000		82.6	70	130			

Sample ID: ics-63161	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63161	RunNo: 81954								
Prep Date: 10/8/2021	Analysis Date: 10/11/2021	SeqNo: 2901290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.8	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



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: 2110476 RcptNo: 1

Received By: Cheyenne Cason 10/8/2021 7:35:00 AM

Handwritten signature

Completed By: Sean Livingston 10/8/2021 7:58:38 AM

Handwritten signature

Reviewed By: jr 10/8/21

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 10/08/21

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, 1.7, Good, [], [], []



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

October 22, 2021

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

RE: Charolais 6"

OrderNo.: 2110766

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 7 sample(s) on 10/16/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BC3-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:35:00 AM

Lab ID: 2110766-001

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	10/19/2021 1:54:13 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	69	10		mg/Kg	1	10/20/2021 8:21:16 PM	63366
Motor Oil Range Organics (MRO)	51	50		mg/Kg	1	10/20/2021 8:21:16 PM	63366
Surr: DNOP	99.9	70-130		%Rec	1	10/20/2021 8:21:16 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Surr: BFB	99.8	70-130		%Rec	1	10/19/2021 10:39:00 AM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Toluene	ND	0.049		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 10:39:00 AM	63356
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	10/19/2021 10:39:00 AM	63356

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 **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NWB4-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:38:00 AM

Lab ID: 2110766-002

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	96	60		mg/Kg	20	10/19/2021 2:06:33 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	12	9.3		mg/Kg	1	10/20/2021 8:32:01 PM	63366
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2021 8:32:01 PM	63366
Surr: DNOP	95.0	70-130		%Rec	1	10/20/2021 8:32:01 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Surr: BFB	100	70-130		%Rec	1	10/19/2021 10:59:00 AM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Xylenes, Total	ND	0.094		mg/Kg	1	10/19/2021 10:59:00 AM	63356
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/19/2021 10:59:00 AM	63356

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 **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB8-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:45:00 AM

Lab ID: 2110766-003

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	96	60		mg/Kg	20	10/19/2021 2:18:55 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	12	10		mg/Kg	1	10/20/2021 8:42:45 PM	63366
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 8:42:45 PM	63366
Surr: DNOP	92.1	70-130		%Rec	1	10/20/2021 8:42:45 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Surr: BFB	102	70-130		%Rec	1	10/19/2021 11:18:00 AM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Toluene	ND	0.048		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2021 11:18:00 AM	63356
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	10/19/2021 11:18:00 AM	63356

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 **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB7-26'

Project: Charolais 6"

Collection Date: 10/14/2021 8:47:00 AM

Lab ID: 2110766-004

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	110	60		mg/Kg	20	10/19/2021 2:31:16 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	10/20/2021 8:53:31 PM	63366
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 8:53:31 PM	63366
Surr: DNOP	98.4	70-130		%Rec	1	10/20/2021 8:53:31 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Surr: BFB	108	70-130		%Rec	1	10/19/2021 11:38:00 AM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Toluene	ND	0.048		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2021 11:38:00 AM	63356
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/19/2021 11:38:00 AM	63356

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 **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB5-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:00:00 AM

Lab ID: 2110766-005

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	86	60		mg/Kg	20	10/19/2021 2:43:37 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/19/2021 11:46:31 AM	63366
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/19/2021 11:46:31 AM	63366
Surr: DNOP	94.5	70-130		%Rec	1	10/19/2021 11:46:31 AM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Surr: BFB	102	70-130		%Rec	1	10/19/2021 11:58:00 AM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 11:58:00 AM	63356
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	10/19/2021 11:58:00 AM	63356

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 **2110766**

Date Reported: **10/22/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB3-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:05:00 AM

Lab ID: 2110766-006

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	100	60		mg/Kg	20	10/19/2021 3:20:40 AM	63373
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	190	9.2		mg/Kg	1	10/19/2021 12:26:37 PM	63366
Motor Oil Range Organics (MRO)	89	46		mg/Kg	1	10/19/2021 12:26:37 PM	63366
Surr: DNOP	87.3	70-130		%Rec	1	10/19/2021 12:26:37 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Surr: BFB	103	70-130		%Rec	1	10/19/2021 12:17:00 PM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Toluene	ND	0.050		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 12:17:00 PM	63356
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	10/19/2021 12:17:00 PM	63356

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 2110766

Date Reported: 10/22/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB2-26'

Project: Charolais 6"

Collection Date: 10/14/2021 9:08:00 AM

Lab ID: 2110766-007

Matrix: SOIL

Received Date: 10/16/2021 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	10/19/2021 7:40:46 AM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	65	9.7		mg/Kg	1	10/20/2021 9:04:17 PM	63366
Motor Oil Range Organics (MRO)	49	49		mg/Kg	1	10/20/2021 9:04:17 PM	63366
Surr: DNOP	101	70-130		%Rec	1	10/20/2021 9:04:17 PM	63366
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Surr: BFB	103	70-130		%Rec	1	10/19/2021 12:37:00 PM	63356
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Toluene	ND	0.047		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 12:37:00 PM	63356
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	10/19/2021 12:37:00 PM	63356

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#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: MB-63373	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63373	RunNo: 82151								
Prep Date: 10/18/2021	Analysis Date: 10/18/2021	SeqNo: 2910803	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63373	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63373	RunNo: 82151								
Prep Date: 10/18/2021	Analysis Date: 10/18/2021	SeqNo: 2910804	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

Sample ID: MB-63384	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63384	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911697	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63384	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63384	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911698	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: MB-63366	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63366	RunNo: 82153								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2910930	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	11		10.00		109	70	130			

Sample ID: MB-63425	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63425	RunNo: 82185								
Prep Date: 10/20/2021	Analysis Date: 10/20/2021	SeqNo: 2913065	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		94.7	70	130			

Sample ID: LCS-63425	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63425	RunNo: 82185								
Prep Date: 10/20/2021	Analysis Date: 10/20/2021	SeqNo: 2913066	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.7	70	130			

Sample ID: 2110766-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BC3-26'	Batch ID: 63366	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914706	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	79	9.8	49.12	70.64	17.9	39.3	155			S
Surr: DNOP	5.0		4.912		102	70	130			

Sample ID: 2110766-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BC3-26'	Batch ID: 63366	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914707	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.8	49.07	70.64	121	39.3	155	46.0	23.4	R
Surr: DNOP	4.8		4.907		98.4	70	130	0	0	

Sample ID: LCS-63366	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63366	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914776	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	68.9	135			

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#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: LCS-63366	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63366	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914776	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID: LCS-63449	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63449	RunNo: 82184								
Prep Date: 10/20/2021	Analysis Date: 10/21/2021	SeqNo: 2916079	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: MB-63449	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63449	RunNo: 82184								
Prep Date: 10/20/2021	Analysis Date: 10/21/2021	SeqNo: 2916080	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	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#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: mb-63356	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2910913	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		98.8	70	130			

Sample ID: lcs-63356	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911927	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Sample ID: 2110766-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BC3-26'	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911929	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	36	5.0	24.75	0	146	61.3	114			S
Surr: BFB	1200		990.1		123	70	130			

Sample ID: 2110766-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BC3-26'	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911931	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	34	4.8	23.90	0	141	61.3	114	7.04	20	S
Surr: BFB	1100		956.0		120	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#: 2110766

22-Oct-21

Client: Talon Artesia

Project: Charolais 6"

Sample ID: mb-63356	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2910914	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	0.86		1.000		86.3	70	130			

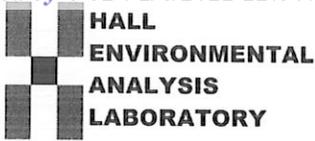
Sample ID: ics-63356	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911967	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.5	80	120			
Toluene	0.90	0.050	1.000	0	90.3	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.3	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.5	70	130			

Sample ID: 2110766-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: NWB4-26'	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911969	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9542	0	95.8	80	120			
Toluene	0.97	0.048	0.9542	0	101	80	120			
Ethylbenzene	0.98	0.048	0.9542	0	103	80	120			
Xylenes, Total	3.1	0.095	2.863	0	107	80	120			
Surr: 4-Bromofluorobenzene	0.86		0.9542		89.9	70	130			

Sample ID: 2110766-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: NWB4-26'	Batch ID: 63356	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/19/2021	SeqNo: 2911971	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9470	0	96.3	80	120	0.242	20	
Toluene	0.99	0.047	0.9470	0	104	80	120	2.43	20	
Ethylbenzene	0.99	0.047	0.9470	0	104	80	120	0.282	20	
Xylenes, Total	3.0	0.095	2.841	0	106	80	120	1.23	20	
Surr: 4-Bromofluorobenzene	0.81		0.9470		85.7	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



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: 2110766 RcptNo: 1

Received By: Cheyenne Cason 10/16/2021 7:50:00 AM
Completed By: Cheyenne Cason 10/16/2021 8:21:38 AM
Reviewed By: [Signature] 10/18/21

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: [Signature] 10/18/21

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. Contains 2 rows of data.

Chain-of-Custody Record

Client: Talon LPE
 408 W Texas St
 Mailing Address: Artesia, NM 88210
 Phone #: 575-441-0980
 email or Fax#: (575) 746-8905
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type)

Turn-Around Time: 10-19-21
 Standard Rush **4day**
 Project Name:
Charolais 6"
 Project #:
702958.003.01

Project Manager:
 Rebecca Pons
 Sampler: **R Pons**
 On Ice: Yes No
 # of Coolers: **2** **2.6-0=2.6**
 Cooler Temp (including CFI): **0.8-0=0.8**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/14/21	8:35		BC3-26'	Jar	Ice	2110766
	8:38		NWB4-26'			001
	8:45		NEB8-26'			002
	8:47		NEB7-26'			003
	9:00		NEB5-26'			004
	9:05		NEB3-26'			005
	9:08		NEB2-26'			006
						007

Date: 10/14/21 Time: 8:35
 Relinquished by: *[Signature]*
 Date: 10/15/21 Time: 1900
 Relinquished by: *[Signature]*
 Received by: *[Signature]* Date: 10/15/21 Time: 1750
 Received by: *[Signature]* Date: 10/15/21 Time: 0750



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX / MTBE / TMB's (8021)	x
TPH:8015D(GRO / DRO / MRO)	x
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	x
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks: Please cc the following via email:
Rpons@talonlpe.com

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



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

October 26, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL: (575) 441-0980
FAX

RE: Chorolais 6 Inch

OrderNo.: 2110984

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/21/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2110984**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: NEB3-26.5'

Project: Chorolais 6 Inch

Collection Date: 10/15/2021 8:30:00 AM

Lab ID: 2110984-001

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	10/23/2021 6:09:26 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	46	9.5		mg/Kg	1	10/23/2021 4:18:20 AM	63486
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/23/2021 4:18:20 AM	63486
Surr: DNOP	103	70-130		%Rec	1	10/23/2021 4:18:20 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Surr: BFB	109	70-130		%Rec	1	10/22/2021 10:03:45 PM	63473
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Toluene	ND	0.046		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Ethylbenzene	ND	0.046		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Xylenes, Total	ND	0.091		mg/Kg	1	10/22/2021 10:03:45 PM	63473
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	10/22/2021 10:03:45 PM	63473

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#: 2110984

26-Oct-21

Client: Talon Artesia
Project: Chorolais 6 Inch

Sample ID: MB-63501	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63501	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917940	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63501	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63501	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917941	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	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#: 2110984

26-Oct-21

Client: Talon Artesia
Project: Chorolais 6 Inch

Sample ID: LCS-63462	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63462	RunNo: 82270								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2916719	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		5.000		127	70	130			

Sample ID: MB-63462	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63462	RunNo: 82270								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2916721	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		123	70	130			

Sample ID: LCS-63486	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917007	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	68.9	135			
Surr: DNOP	4.0		5.000		79.8	70	130			

Sample ID: MB-63486	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917009	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	8.4		10.00		83.9	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#: 2110984

26-Oct-21

Client: Talon Artesia
Project: Chorolais 6 Inch

Sample ID: mb-63473	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917356	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	1000		1000		105	70	130			

Sample ID: ics-63473	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917357	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	78.6	131			
Surr: BFB	1200		1000		115	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#: 2110984

26-Oct-21

Client: Talon Artesia
Project: Chorolais 6 Inch

Sample ID: mb-63473	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917435	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	0.87		1.000		87.3	70	130			

Sample ID: LCS-63473	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917436	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.3	80	120			
Toluene	0.99	0.050	1.000	0	99.2	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.5	70	130			

Sample ID: 2110984-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: NEB3-26.5'	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917438	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.023	0.9259	0	103	80	120			
Toluene	0.98	0.046	0.9259	0	106	80	120			
Ethylbenzene	0.98	0.046	0.9259	0.009881	104	80	120			
Xylenes, Total	2.9	0.093	2.778	0.03156	102	80	120			
Surr: 4-Bromofluorobenzene	0.81		0.9259		87.3	70	130			

Sample ID: 2110984-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: NEB3-26.5'	Batch ID: 63473	RunNo: 82288								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2917439	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9470	0	110	80	120	8.91	20	
Toluene	1.1	0.047	0.9470	0	112	80	120	7.72	20	
Ethylbenzene	1.1	0.047	0.9470	0.009881	112	80	120	9.03	20	
Xylenes, Total	3.1	0.095	2.841	0.03156	110	80	120	9.51	20	
Surr: 4-Bromofluorobenzene	0.83		0.9470		87.2	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



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: 2110984

RcptNo: 1

Received By: Cheyenne Cason

10/21/2021 7:05:00 AM

Handwritten signature

Completed By: Desiree Dominguez

10/21/2021 8:35:13 AM

Handwritten signature

Reviewed By: TMC

10/21/21 9:43

Large handwritten signature

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: KPA 10/21/21

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, 2.0, Good, [], [], [], []



Environment Testing
America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1303-1
Laboratory Sample Delivery Group: Lea County
Client Project/Site: Charolais 6"

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: Rebecca Pong

Authorized for release by:
9/30/2021 8:49:16 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Client: Talon/LPE
Project/Site: Charolais 6"

Laboratory Job ID: 890-1303-1
SDG: Lea County

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
N2	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Job ID: 890-1303-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1303-1

Receipt

The samples were received on 9/23/2021 1:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8504 and analytical batch 880-8506 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: B-1 (890-1303-1), B-1 (890-1303-2), B-1 (890-1303-3), B-1 (890-1303-6), B-1 (890-1303-8), B-2 (890-1303-9), B-2 (890-1303-10), B-2 (890-1303-11), B-2 (890-1303-12), B-2 (890-1303-13) and (890-1300-A-1-F). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8507 and analytical batch 880-8502 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-1303-A-14-D MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.



Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-1

Date Collected: 09/22/21 10:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0759		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 16:20	1
Toluene	3.01		0.199	0.0454	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
Ethylbenzene	5.59		0.199	0.0563	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
m-Xylene & p-Xylene	4.08		0.398	0.101	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
o-Xylene	2.33		0.199	0.0343	mg/Kg		09/28/21 13:08	09/29/21 15:48	100
Xylenes, Total	6.41		0.398	0.101	mg/Kg		09/28/21 13:08	09/29/21 15:48	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	445	X	70 - 130	09/28/21 09:54	09/28/21 16:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130	09/28/21 09:54	09/28/21 16:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	15.1		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1840		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	206		49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1
Diesel Range Organics (Over C10-C28)	1630		49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/27/21 08:53	09/27/21 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	X	70 - 130	09/27/21 08:53	09/27/21 15:01	1
o-Terphenyl	117		70 - 130	09/27/21 08:53	09/27/21 15:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	373		5.00	0.858	mg/Kg			09/27/21 20:32	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00185	J	0.00200	0.000385	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Toluene	0.156		0.00200	0.000456	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Ethylbenzene	2.54		0.100	0.0283	mg/Kg		09/28/21 13:08	09/29/21 16:09	50
m-Xylene & p-Xylene	0.371		0.00400	0.00101	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
o-Xylene	0.219		0.00200	0.000344	mg/Kg		09/28/21 09:54	09/28/21 16:40	1
Xylenes, Total	0.590		0.00400	0.00101	mg/Kg		09/28/21 09:54	09/28/21 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	260	X	70 - 130	09/28/21 09:54	09/28/21 16:40	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 10

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 16:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.29		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	880		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	49.4	J	49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1
Diesel Range Organics (Over C10-C28)	831		49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/27/21 08:53	09/27/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	X	70 - 130	09/27/21 08:53	09/27/21 15:23	1
o-Terphenyl	130		70 - 130	09/27/21 08:53	09/27/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	324		4.95	0.850	mg/Kg			09/27/21 20:38	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000519	J	0.00201	0.000387	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Toluene	0.0334		0.00201	0.000459	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Ethylbenzene	0.133		0.00201	0.000568	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
m-Xylene & p-Xylene	0.119		0.00402	0.00102	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
o-Xylene	0.0826		0.00201	0.000346	mg/Kg		09/28/21 09:54	09/28/21 17:01	1
Xylenes, Total	0.202		0.00402	0.00102	mg/Kg		09/28/21 09:54	09/28/21 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	X	70 - 130	09/28/21 09:54	09/28/21 17:01	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/28/21 09:54	09/28/21 17:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.369		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	425		50.0	15.0	mg/Kg			09/30/21 12:51	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.3	J	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Diesel Range Organics (Over C10-C28)	382		50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/27/21 09:17	09/27/21 19:54	1
o-Terphenyl	104		70 - 130				09/27/21 09:17	09/27/21 19:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.04	0.865	mg/Kg			09/27/21 20:57	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000657	J	0.00198	0.000382	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Toluene	0.0155		0.00198	0.000452	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Ethylbenzene	0.0584		0.00198	0.000561	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
m-Xylene & p-Xylene	0.0557		0.00397	0.00100	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
o-Xylene	0.0328		0.00198	0.000341	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Xylenes, Total	0.0885		0.00397	0.00100	mg/Kg		09/28/21 09:54	09/28/21 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/28/21 09:54	09/28/21 18:23	1
1,4-Difluorobenzene (Surr)	82		70 - 130				09/28/21 09:54	09/28/21 18:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.163		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	202		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.2	J	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Diesel Range Organics (Over C10-C28)	172		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/24/21 16:32	09/26/21 02:27	1
o-Terphenyl	125		70 - 130				09/24/21 16:32	09/26/21 02:27	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42
Date Received: 09/23/21 13:25
Sample Depth: 14 - 15

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	198		5.01	0.860	mg/Kg			09/27/21 21:03	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-5

Date Collected: 09/22/21 10:55
Date Received: 09/23/21 13:25
Sample Depth: 16 - 17

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00422		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Toluene	0.0124		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Ethylbenzene	0.0128		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
m-Xylene & p-Xylene	0.0116		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
o-Xylene	0.00811		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Xylenes, Total	0.0197		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/28/21 09:54	09/28/21 18:44	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/28/21 09:54	09/28/21 18:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0491		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.6	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Diesel Range Organics (Over C10-C28)	19.6	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/24/21 16:32	09/26/21 02:48	1
o-Terphenyl	132	X	70 - 130				09/24/21 16:32	09/26/21 02:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.98	0.855	mg/Kg			09/27/21 21:22	1

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-6

Date Collected: 09/22/21 11:00

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00118	J	0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Toluene	0.00551		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Ethylbenzene	0.00558		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
m-Xylene & p-Xylene	0.00557		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
o-Xylene	0.00450		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 19:04	1
Xylenes, Total	0.0101		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	X	70 - 130	09/28/21 09:54	09/28/21 19:04	1
1,4-Difluorobenzene (Surr)	77		70 - 130	09/28/21 09:54	09/28/21 19:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0223		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/24/21 16:32	09/26/21 03:30	1
o-Terphenyl	126		70 - 130	09/24/21 16:32	09/26/21 03:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97	0.853	mg/Kg			09/27/21 21:28	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00212		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Toluene	0.00509		0.00199	0.000454	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Ethylbenzene	0.00335		0.00199	0.000563	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
m-Xylene & p-Xylene	0.00346	J	0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
o-Xylene	0.00296		0.00199	0.000343	mg/Kg		09/28/21 09:54	09/28/21 19:25	1
Xylenes, Total	0.00642		0.00398	0.00101	mg/Kg		09/28/21 09:54	09/28/21 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/28/21 09:54	09/28/21 19:25	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	09/28/21 09:54	09/28/21 19:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 03:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	09/24/21 16:32	09/26/21 03:51	1
o-Terphenyl	123		70 - 130	09/24/21 16:32	09/26/21 03:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.7		4.95	0.850	mg/Kg			09/27/21 21:34	1

Client Sample ID: B-1

Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 25 - 26

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Toluene	0.000939	J	0.00202	0.000461	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		09/28/21 09:54	09/28/21 19:45	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		09/28/21 09:54	09/28/21 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	X	70 - 130	09/28/21 09:54	09/28/21 19:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 19:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

Euofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 25 - 26

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				09/24/21 16:32	09/26/21 04:12	1
o-Terphenyl	120		70 - 130				09/24/21 16:32	09/26/21 04:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		5.05	0.867	mg/Kg			09/28/21 11:26	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.157		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 20:06	1
Toluene	1.32		0.200	0.0456	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Ethylbenzene	2.56		0.200	0.0565	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
m-Xylene & p-Xylene	1.99		0.400	0.101	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
o-Xylene	0.931		0.200	0.0344	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Xylenes, Total	2.92		0.400	0.101	mg/Kg		09/29/21 09:00	09/29/21 19:47	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	351	X	70 - 130				09/28/21 09:54	09/28/21 20:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/28/21 09:54	09/28/21 20:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	6.96		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	364		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	86.3		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Diesel Range Organics (Over C10-C28)	278		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/24/21 16:32	09/26/21 04:33	1
o-Terphenyl	123		70 - 130				09/24/21 16:32	09/26/21 04:33	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15
Date Received: 09/23/21 13:25
Sample Depth: 8

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.9		4.98	0.855	mg/Kg			09/27/21 21:46	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25
Date Received: 09/23/21 13:25
Sample Depth: 10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00407		0.00200	0.000386	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Toluene	0.0496		0.00200	0.000457	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Ethylbenzene	0.159		0.00200	0.000566	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
m-Xylene & p-Xylene	0.133		0.00401	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
o-Xylene	0.0852		0.00200	0.000345	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Xylenes, Total	0.218		0.00401	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	X	70 - 130				09/28/21 09:54	09/28/21 20:26	1
1,4-Difluorobenzene (Surr)	86		70 - 130				09/28/21 09:54	09/28/21 20:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.431		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	280		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.5	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
Diesel Range Organics (Over C10-C28)	241		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				09/24/21 16:32	09/26/21 04:54	1
o-Terphenyl	122		70 - 130				09/24/21 16:32	09/26/21 04:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		5.04	0.865	mg/Kg			09/27/21 21:52	1

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-11

Date Collected: 09/22/21 13:30

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 12 - 13

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000966	J	0.00200	0.000384	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Toluene	0.00724		0.00200	0.000455	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Ethylbenzene	0.00538		0.00200	0.000564	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
m-Xylene & p-Xylene	0.00510		0.00399	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
o-Xylene	0.00277		0.00200	0.000343	mg/Kg		09/28/21 09:54	09/28/21 20:47	1
Xylenes, Total	0.00787		0.00399	0.00101	mg/Kg		09/28/21 09:54	09/28/21 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	X	70 - 130	09/28/21 09:54	09/28/21 20:47	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/28/21 09:54	09/28/21 20:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0215		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.4	J	50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1
Diesel Range Organics (Over C10-C28)	24.4	J	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	09/24/21 16:32	09/26/21 05:16	1
o-Terphenyl	121		70 - 130	09/24/21 16:32	09/26/21 05:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	558		4.98	0.855	mg/Kg			09/27/21 21:59	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0996		0.00198	0.000381	mg/Kg		09/28/21 09:54	09/28/21 21:07	1
Toluene	1.82		0.201	0.0459	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
Ethylbenzene	4.18		0.201	0.0568	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
m-Xylene & p-Xylene	3.14		0.402	0.102	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
o-Xylene	1.63		0.201	0.0346	mg/Kg		09/29/21 09:00	09/29/21 20:07	100
Xylenes, Total	4.77		0.402	0.102	mg/Kg		09/29/21 09:00	09/29/21 20:07	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	520	X	70 - 130	09/28/21 09:54	09/28/21 21:07	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 14 - 15

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	09/28/21 09:54	09/28/21 21:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.9		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1160		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	237		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1
Diesel Range Organics (Over C10-C28)	918		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	09/24/21 16:32	09/26/21 05:36	1
o-Terphenyl	122		70 - 130	09/24/21 16:32	09/26/21 05:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.96	0.851	mg/Kg			09/29/21 21:24	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 16 - 17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0441		0.00199	0.000383	mg/Kg		09/28/21 09:54	09/28/21 21:28	1
Toluene	1.69		0.201	0.0458	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
Ethylbenzene	3.99		0.201	0.0567	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
m-Xylene & p-Xylene	3.19		0.402	0.101	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
o-Xylene	1.87		0.201	0.0345	mg/Kg		09/29/21 09:00	09/29/21 20:28	100
Xylenes, Total	5.06		0.402	0.101	mg/Kg		09/29/21 09:00	09/29/21 20:28	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	607	X	70 - 130	09/28/21 09:54	09/28/21 21:28	1
1,4-Difluorobenzene (Surr)	79		70 - 130	09/28/21 09:54	09/28/21 21:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.8		0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	898		50.0	15.0	mg/Kg			09/30/21 12:51	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 16 - 17

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	146		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Diesel Range Organics (Over C10-C28)	752		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/24/21 16:32	09/26/21 05:57	1
o-Terphenyl	120		70 - 130				09/24/21 16:32	09/26/21 05:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.0		4.95	0.850	mg/Kg			09/29/21 21:30	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
o-Xylene	0.00193	J	0.00198	0.000341	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Xylenes, Total	0.00193	J	0.00396	0.00100	mg/Kg		09/28/21 10:09	09/29/21 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				09/28/21 10:09	09/29/21 00:51	1
1,4-Difluorobenzene (Surr)	125		70 - 130				09/28/21 10:09	09/29/21 00:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00193	J	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1370		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	303		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Diesel Range Organics (Over C10-C28)	1070		49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 16:32	09/26/21 06:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/24/21 16:32	09/26/21 06:18	1
o-Terphenyl	117		70 - 130				09/24/21 16:32	09/26/21 06:18	1

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Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 18

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		5.00	0.858	mg/Kg			09/29/21 21:36	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-15

Date Collected: 09/22/21 13:50

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 21 - 22

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		09/28/21 10:09	09/29/21 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				09/28/21 10:09	09/29/21 01:12	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/28/21 10:09	09/29/21 01:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	498		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	92.0		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
Diesel Range Organics (Over C10-C28)	406		50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/26/21 08:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/24/21 16:32	09/26/21 08:38	1
o-Terphenyl	129		70 - 130				09/24/21 16:32	09/26/21 08:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		4.96	0.851	mg/Kg			09/29/21 21:41	1

Client Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 23 - 24

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000492	J	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/28/21 10:09	09/29/21 01:33	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/28/21 10:09	09/29/21 01:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/28/21 10:09	09/29/21 01:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.4		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.5	J	49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1
Diesel Range Organics (Over C10-C28)	78.9		49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		09/24/21 15:44	09/26/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	09/24/21 15:44	09/26/21 06:18	1
o-Terphenyl	132	X	70 - 130	09/24/21 15:44	09/26/21 06:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		4.96	0.851	mg/Kg			09/29/21 21:47	1

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 26

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Toluene	0.000460	J	0.00199	0.000454	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		09/28/21 10:09	09/29/21 01:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		09/28/21 10:09	09/29/21 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/28/21 10:09	09/29/21 01:54	1

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Client Sample Results

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Sample Depth: 26

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	09/28/21 10:09	09/29/21 01:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.00100	mg/Kg			09/30/21 19:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1830		50.0	15.0	mg/Kg			09/30/21 12:51	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	469		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1
Diesel Range Organics (Over C10-C28)	1210		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1
Oil Range Organics (Over C28-C36)	155		50.0	15.0	mg/Kg		09/24/21 15:44	09/26/21 08:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	X	70 - 130	09/24/21 15:44	09/26/21 08:38	1
o-Terphenyl	132	X	70 - 130	09/24/21 15:44	09/26/21 08:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.96	0.851	mg/Kg			09/29/21 21:53	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Charolais 6"Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-6451-A-1-D MS	Matrix Spike	100	107
880-6451-A-1-E MSD	Matrix Spike Duplicate	106	65 X
880-6476-A-21-D MS	Matrix Spike	120	78
880-6476-A-21-E MSD	Matrix Spike Duplicate	129	75
890-1300-A-1-D MS	Matrix Spike	120	83
890-1300-A-1-E MSD	Matrix Spike Duplicate	127	73
890-1303-1	B-1	445 X	98
890-1303-2	B-1	260 X	79
890-1303-3	B-1	150 X	81
890-1303-4	B-1	119	82
890-1303-5	B-1	127	80
890-1303-6	B-1	139 X	77
890-1303-7	B-1	127	80
890-1303-8	B-1	133 X	79
890-1303-9	B-2	351 X	99
890-1303-10	B-2	163 X	86
890-1303-11	B-2	137 X	82
890-1303-12	B-2	520 X	110
890-1303-13	B-2	607 X	79
890-1303-14	B-2	76	125
890-1303-14 MS	B-2	89	95
890-1303-14 MSD	B-2	339 X	80
890-1303-15	B-2	120	89
890-1303-16	B-2	94	82
890-1303-17	B-2	87	96
LCS 880-8507/1-A	Lab Control Sample	92	107
LCS 880-8515/1-A	Lab Control Sample	117	84
LCS 880-8516/1-A	Lab Control Sample	119	78
LCS 880-8517/1-A	Lab Control Sample	88	86
LCSD 880-8507/2-A	Lab Control Sample Dup	84	95
LCSD 880-8515/2-A	Lab Control Sample Dup	115	74
LCSD 880-8516/2-A	Lab Control Sample Dup	119	77
LCSD 880-8517/2-A	Lab Control Sample Dup	100	89
MB 880-8465/5-A	Method Blank	105	101
MB 880-8507/5-A	Method Blank	107	106
MB 880-8515/5-A	Method Blank	101	80
MB 880-8517/5-A	Method Blank	128	116

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
890-1315-A-1-B MSD	Matrix Spike Duplicate		

Surrogate Legend

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Surrogate Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-6278-A-54-E MS	Matrix Spike	97	92
880-6278-A-54-F MSD	Matrix Spike Duplicate	104	91
880-6453-A-1-C MS	Matrix Spike	136 X	140 X
880-6453-A-1-D MSD	Matrix Spike Duplicate	129	129
880-6468-A-1-B MS	Matrix Spike	124	112
880-6468-A-1-C MSD	Matrix Spike Duplicate	113	100
890-1299-A-1-C MS	Matrix Spike	102	102
890-1299-A-1-D MSD	Matrix Spike Duplicate	102	102
890-1303-1	B-1	135 X	117
890-1303-2	B-1	135 X	130
890-1303-3	B-1	101	104
890-1303-4	B-1	114	125
890-1303-5	B-1	118	132 X
890-1303-6	B-1	113	126
890-1303-7	B-1	110	123
890-1303-8	B-1	107	120
890-1303-9	B-2	110	123
890-1303-10	B-2	111	122
890-1303-11	B-2	111	121
890-1303-12	B-2	119	122
890-1303-13	B-2	117	120
890-1303-14	B-2	114	117
890-1303-15	B-2	110	129
890-1303-16	B-2	116	132 X
890-1303-17	B-2	133 X	132 X
LCS 880-8388/2-A	Lab Control Sample	110	113
LCS 880-8396/2-A	Lab Control Sample	103	103
LCS 880-8435/2-A	Lab Control Sample	122	116
LCS 880-8436/2-A	Lab Control Sample	136 X	136 X
LCSD 880-8388/3-A	Lab Control Sample Dup	107	107
LCSD 880-8396/3-A	Lab Control Sample Dup	101	103
LCSD 880-8435/3-A	Lab Control Sample Dup	120	118
LCSD 880-8436/3-A	Lab Control Sample Dup	128	127
MB 880-8388/1-A	Method Blank	112	133 X
MB 880-8396/1-A	Method Blank	99	110
MB 880-8435/1-A	Method Blank	123	137 X
MB 880-8436/1-A	Method Blank	113	128

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8465/5-A
Matrix: Solid
Analysis Batch: 8502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8465

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/27/21 13:58	09/28/21 13:24	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/27/21 13:58	09/28/21 13:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/27/21 13:58	09/28/21 13:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/27/21 13:58	09/28/21 13:24	1

Lab Sample ID: 890-1300-A-1-D MS
Matrix: Solid
Analysis Batch: 8506

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.07651		mg/Kg		76	70 - 130
Toluene	<0.00199	U	0.101	0.07874		mg/Kg		78	70 - 130
Ethylbenzene	0.000604	J	0.101	0.07850		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1653		mg/Kg		82	70 - 130
o-Xylene	0.000431	J	0.101	0.08282		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 890-1300-A-1-E MSD
Matrix: Solid
Analysis Batch: 8506

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07613		mg/Kg		76	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.08029		mg/Kg		80	70 - 130	2	35
Ethylbenzene	0.000604	J	0.100	0.08253		mg/Kg		82	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1723		mg/Kg		86	70 - 130	4	35
o-Xylene	0.000431	J	0.100	0.08686		mg/Kg		86	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	73		70 - 130

Lab Sample ID: MB 880-8507/5-A
Matrix: Solid
Analysis Batch: 8502

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/28/21 10:09	09/29/21 00:29	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-8507/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8507

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/28/21 10:09	09/29/21 00:29	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 10:09	09/29/21 00:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	107		70 - 130	09/28/21 10:09	09/29/21 00:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/28/21 10:09	09/29/21 00:29	1

Lab Sample ID: LCS 880-8507/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8507

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.100	0.08247		mg/Kg		82	70 - 130
Toluene	0.100	0.09425		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09269		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1552		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07395		mg/Kg		74	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-8507/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8507

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.08892		mg/Kg		89	70 - 130	8	35
Toluene	0.100	0.08913		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.08011		mg/Kg		80	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1484		mg/Kg		74	70 - 130	4	35
o-Xylene	0.100	0.07674		mg/Kg		77	70 - 130	4	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-1303-14 MS

Client Sample ID: B-2

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 8502

Prep Batch: 8507

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00198	U	0.0990	0.05358	N1	mg/Kg		54	70 - 130
Toluene	<0.00198	U	0.0990	0.06526	N1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00198	U	0.0990	0.06051	N1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1099	N1	mg/Kg		56	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1303-14 MS
Matrix: Solid
Analysis Batch: 8502

Client Sample ID: B-2
Prep Type: Total/NA
Prep Batch: 8507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.00193	J	0.0990	0.04999	N1	mg/Kg		49	70 - 130
Surrogate									
	%Recovery	MS MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						
1,4-Difluorobenzene (Surr)	95		70 - 130						

Lab Sample ID: 890-1303-14 MSD
Matrix: Solid
Analysis Batch: 8502

Client Sample ID: B-2
Prep Type: Total/NA
Prep Batch: 8507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U	0.100	<0.00200	U N1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00198	U	0.100	0.1188	N2	mg/Kg		119	70 - 130	58	35
Ethylbenzene	<0.00198	U	0.100	0.05736	N1	mg/Kg		57	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.07299	N1 N2	mg/Kg		36	70 - 130	40	35
o-Xylene	0.00193	J	0.100	0.06199	N1	mg/Kg		60	70 - 130	21	35
Surrogate											
	%Recovery	MSD MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	339	X	70 - 130								
1,4-Difluorobenzene (Surr)	80		70 - 130								

Lab Sample ID: MB 880-8515/5-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/29/21 09:00	09/29/21 12:36	1
Surrogate									
	%Recovery	MB MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/29/21 09:00	09/29/21 12:36	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/29/21 09:00	09/29/21 12:36	1

Lab Sample ID: LCS 880-8515/1-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08582		mg/Kg		86	70 - 130
Toluene	0.100	0.08861		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09518		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09887		mg/Kg		99	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-8515/1-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8515

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-8515/2-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8515

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Benzene	0.100	0.08722		mg/Kg		87	70 - 130	2	35	
Toluene	0.100	0.09218		mg/Kg		92	70 - 130	4	35	
Ethylbenzene	0.100	0.09766		mg/Kg		98	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.2030		mg/Kg		101	70 - 130	3	35	
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130	3	35	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 890-1315-A-1-B MSD
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8515

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits	RPD	Limit	
Benzene	<0.00199	U	0.100	0.08971		mg/Kg						
Toluene	<0.00199	U	0.100	0.09261		mg/Kg						
Ethylbenzene	0.00423		0.100	0.09722		mg/Kg						
m-Xylene & p-Xylene	0.0102		0.200	0.2041		mg/Kg						
o-Xylene	0.00770		0.100	0.1032		mg/Kg						

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: LCS 880-8516/1-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits	RPD	Limit	
Benzene	0.100	0.08801		mg/Kg		88	70 - 130			
Toluene	0.100	0.09347		mg/Kg		93	70 - 130			
Ethylbenzene	0.100	0.09972		mg/Kg		100	70 - 130			
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130			
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130			

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-8516/2-A
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08894		mg/Kg		89	70 - 130	1	35
Toluene	0.100	0.09378		mg/Kg		94	70 - 130	0	35
Ethylbenzene	0.100	0.1009		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130	1	35
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-6476-A-21-D MS
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.05945	N1	mg/Kg		59	70 - 130
Toluene	<0.00199	J	0.101	0.06187	N1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.06229	N1	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1283	N1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U	0.101	0.06484	N1	mg/Kg		64	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-6476-A-21-E MSD
Matrix: Solid
Analysis Batch: 8570

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.02435	N1 N2	mg/Kg		24	70 - 130	84	35
Toluene	<0.00199	J	0.0996	0.02848	N1 N2	mg/Kg		28	70 - 130	74	35
Ethylbenzene	<0.00199	U	0.0996	0.02747	N1 N2	mg/Kg		28	70 - 130	78	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.05519	N1 N2	mg/Kg		28	70 - 130	80	35
o-Xylene	<0.00199	U	0.0996	0.02897	N1 N2	mg/Kg		29	70 - 130	76	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	75		70 - 130

Lab Sample ID: MB 880-8517/5-A
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		09/28/21 13:08	09/29/21 12:40	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-8517/5-A
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		09/28/21 13:08	09/29/21 12:40	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		09/28/21 13:08	09/29/21 12:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/28/21 13:08	09/29/21 12:40	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/28/21 13:08	09/29/21 12:40	1

Lab Sample ID: LCS 880-8517/1-A
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09029		mg/Kg		90	70 - 130
Toluene	0.100	0.08751		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08523		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1641		mg/Kg		82	70 - 130
o-Xylene	0.100	0.07521		mg/Kg		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: LCSD 880-8517/2-A
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8517

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07792		mg/Kg		78	70 - 130	15	35
Toluene	0.100	0.09676		mg/Kg		97	70 - 130	10	35
Ethylbenzene	0.100	0.09820		mg/Kg		98	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1741		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.07666		mg/Kg		77	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-6451-A-1-D MS
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000567	J	0.100	0.08866		mg/Kg		88	70 - 130
Toluene	0.0170		0.100	0.1066		mg/Kg		89	70 - 130
Ethylbenzene	0.0142		0.100	0.1018		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.0424		0.201	0.1852		mg/Kg		71	70 - 130
o-Xylene	0.0118		0.100	0.09212		mg/Kg		80	70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-6451-A-1-E MSD
Matrix: Solid
Analysis Batch: 8572

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8517

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Benzene	0.000567	J	0.100	0.05612	N1 N2	mg/Kg		55	70 - 130	45	35	
Toluene	0.0170		0.100	0.09112		mg/Kg		74	70 - 130	16	35	
Ethylbenzene	0.0142		0.100	0.1109		mg/Kg		97	70 - 130	9	35	
m-Xylene & p-Xylene	0.0424		0.200	0.1979		mg/Kg		78	70 - 130	7	35	
o-Xylene	0.0118		0.100	0.09476		mg/Kg		83	70 - 130	3	35	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	65	X	70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-8388/1-A
Matrix: Solid
Analysis Batch: 8407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8388

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 15:44	09/25/21 21:52	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	112		70 - 130	09/24/21 15:44	09/25/21 21:52	1
o-Terphenyl	133	X	70 - 130	09/24/21 15:44	09/25/21 21:52	1

Lab Sample ID: LCS 880-8388/2-A
Matrix: Solid
Analysis Batch: 8407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8388

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	912.1		mg/Kg		91	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1168		mg/Kg		117	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	110		70 - 130
o-Terphenyl	113		70 - 130

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-8388/3-A
Matrix: Solid
Analysis Batch: 8407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit	
										RPD
Gasoline Range Organics (GRO)-C6-C10	1000	893.9		mg/Kg		89	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	1000	1117		mg/Kg		112	70 - 130	4	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	107		70 - 130							
o-Terphenyl	107		70 - 130							

Lab Sample ID: 880-6453-A-1-C MS
Matrix: Solid
Analysis Batch: 8407

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	1077		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	41.9	J	997	1250		mg/Kg		121	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	136	X	70 - 130								
o-Terphenyl	140	X	70 - 130								

Lab Sample ID: 880-6453-A-1-D MSD
Matrix: Solid
Analysis Batch: 8407

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	1005		mg/Kg		101	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	41.9	J	999	1190		mg/Kg		115	70 - 130	5	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	129		70 - 130								
o-Terphenyl	129		70 - 130								

Lab Sample ID: MB 880-8396/1-A
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/24/21 16:32	09/25/21 21:52	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-8396/1-A
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8396

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	99		70 - 130	09/24/21 16:32	09/25/21 21:52	1
o-Terphenyl	110		70 - 130	09/24/21 16:32	09/25/21 21:52	1

Lab Sample ID: LCS 880-8396/2-A
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8396

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	878.4		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	928.5		mg/Kg		93	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-8396/3-A
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8396

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	860.1		mg/Kg		86	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	9	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	101		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-1299-A-1-C MS
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	942.3		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	17.7	J	997	872.1		mg/Kg		86	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1299-A-1-D MSD
Matrix: Solid
Analysis Batch: 8405

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	886.3		mg/Kg		89	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	17.7	J	999	877.5		mg/Kg		86	70 - 130	1	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: MB 880-8435/1-A
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8435

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 08:53	09/27/21 10:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				09/27/21 08:53	09/27/21 10:32	1
o-Terphenyl	137	X	70 - 130				09/27/21 08:53	09/27/21 10:32	1

Lab Sample ID: LCS 880-8435/2-A
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8435

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1138		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	122		70 - 130				
o-Terphenyl	116		70 - 130				

Lab Sample ID: LCSD 880-8435/3-A
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8435

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1066		mg/Kg		107	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1120		mg/Kg		112	70 - 130	1	20

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-8435/3-A
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8435

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 880-6278-A-54-E MS
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8435

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	894.3		mg/Kg		90		70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	810.0		mg/Kg		81		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	97		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-6278-A-54-F MSD
Matrix: Solid
Analysis Batch: 8429

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8435

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	920.6		mg/Kg		92		70 - 130	3		20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	810.8		mg/Kg		81		70 - 130	0		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: MB 880-8436/1-A
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8436

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		09/27/21 09:17	09/27/21 10:47	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	113		70 - 130	09/27/21 09:17	09/27/21 10:47	1
o-Terphenyl	128		70 - 130	09/27/21 09:17	09/27/21 10:47	1

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-8436/2-A
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1118		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1264		mg/Kg		126	70 - 130
		LCS	LCS				
Surrogate		%Recovery	Qualifier	Limits			
1-Chlorooctane		136	X	70 - 130			
o-Terphenyl		136	X	70 - 130			

Lab Sample ID: LCSD 880-8436/3-A
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 8436

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1146		mg/Kg		115	70 - 130	10	20
		LCSD	LCSD						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		128		70 - 130					
o-Terphenyl		127		70 - 130					

Lab Sample ID: 880-6468-A-1-B MS
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 8436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	981.3		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	1097		mg/Kg		110	70 - 130
		MS	MS						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		124		70 - 130					
o-Terphenyl		112		70 - 130					

Lab Sample ID: 880-6468-A-1-C MSD
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	972.3		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	1028		mg/Kg		103	70 - 130	7	20
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		113		70 - 130							

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QC Sample Results

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-6468-A-1-C MSD
Matrix: Solid
Analysis Batch: 8431

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 8436

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>o</i> -Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-8386/1-A
Matrix: Solid
Analysis Batch: 8473

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			09/27/21 18:53	1

Lab Sample ID: LCS 880-8386/2-A
Matrix: Solid
Analysis Batch: 8473

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.2		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-8386/3-A
Matrix: Solid
Analysis Batch: 8473

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	268.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-1303-2 MS
Matrix: Solid
Analysis Batch: 8473

Client Sample ID: B-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	324		248	576.6		mg/Kg		102	90 - 110

Lab Sample ID: 890-1303-2 MSD
Matrix: Solid
Analysis Batch: 8473

Client Sample ID: B-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	324		248	574.4		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-8387/1-A
Matrix: Solid
Analysis Batch: 8553

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			09/29/21 19:04	1

QC Sample Results

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-8387/2-A
 Matrix: Solid
 Analysis Batch: 8553

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-8387/3-A
 Matrix: Solid
 Analysis Batch: 8553

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-6450-A-1-B MS
 Matrix: Solid
 Analysis Batch: 8553

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	599		1240	1994	N1	mg/Kg		113	90 - 110

Lab Sample ID: 880-6450-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 8553

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	599		1240	1999	N1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

GC VOA

Prep Batch: 8465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8465/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 8502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-14	B-2	Total/NA	Solid	8021B	8507
890-1303-15	B-2	Total/NA	Solid	8021B	8507
890-1303-16	B-2	Total/NA	Solid	8021B	8507
890-1303-17	B-2	Total/NA	Solid	8021B	8507
MB 880-8465/5-A	Method Blank	Total/NA	Solid	8021B	8465
MB 880-8507/5-A	Method Blank	Total/NA	Solid	8021B	8507
LCS 880-8507/1-A	Lab Control Sample	Total/NA	Solid	8021B	8507
LCS 880-8507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8507
890-1303-14 MS	B-2	Total/NA	Solid	8021B	8507
890-1303-14 MSD	B-2	Total/NA	Solid	8021B	8507

Prep Batch: 8504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	5035	
890-1303-2	B-1	Total/NA	Solid	5035	
890-1303-3	B-1	Total/NA	Solid	5035	
890-1303-4	B-1	Total/NA	Solid	5035	
890-1303-5	B-1	Total/NA	Solid	5035	
890-1303-6	B-1	Total/NA	Solid	5035	
890-1303-7	B-1	Total/NA	Solid	5035	
890-1303-8	B-1	Total/NA	Solid	5035	
890-1303-9	B-2	Total/NA	Solid	5035	
890-1303-10	B-2	Total/NA	Solid	5035	
890-1303-11	B-2	Total/NA	Solid	5035	
890-1303-12	B-2	Total/NA	Solid	5035	
890-1303-13	B-2	Total/NA	Solid	5035	
890-1300-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-1300-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 8506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8021B	8504
890-1303-2	B-1	Total/NA	Solid	8021B	8504
890-1303-3	B-1	Total/NA	Solid	8021B	8504
890-1303-4	B-1	Total/NA	Solid	8021B	8504
890-1303-5	B-1	Total/NA	Solid	8021B	8504
890-1303-6	B-1	Total/NA	Solid	8021B	8504
890-1303-7	B-1	Total/NA	Solid	8021B	8504
890-1303-8	B-1	Total/NA	Solid	8021B	8504
890-1303-9	B-2	Total/NA	Solid	8021B	8504
890-1303-10	B-2	Total/NA	Solid	8021B	8504
890-1303-11	B-2	Total/NA	Solid	8021B	8504
890-1303-12	B-2	Total/NA	Solid	8021B	8504
890-1303-13	B-2	Total/NA	Solid	8021B	8504
890-1300-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	8504
890-1300-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8504

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QC Association Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

GC VOA

Prep Batch: 8507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-14	B-2	Total/NA	Solid	5035	
890-1303-15	B-2	Total/NA	Solid	5035	
890-1303-16	B-2	Total/NA	Solid	5035	
890-1303-17	B-2	Total/NA	Solid	5035	
MB 880-8507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1303-14 MS	B-2	Total/NA	Solid	5035	
890-1303-14 MSD	B-2	Total/NA	Solid	5035	

Prep Batch: 8515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-9	B-2	Total/NA	Solid	5035	
890-1303-12	B-2	Total/NA	Solid	5035	
890-1303-13	B-2	Total/NA	Solid	5035	
MB 880-8515/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8515/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8515/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1315-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-8516/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8516/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6476-A-21-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6476-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 8517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	5035	
890-1303-2	B-1	Total/NA	Solid	5035	
MB 880-8517/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 8570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-9	B-2	Total/NA	Solid	8021B	8515
890-1303-12	B-2	Total/NA	Solid	8021B	8515
890-1303-13	B-2	Total/NA	Solid	8021B	8515
MB 880-8515/5-A	Method Blank	Total/NA	Solid	8021B	8515
LCS 880-8515/1-A	Lab Control Sample	Total/NA	Solid	8021B	8515
LCS 880-8516/1-A	Lab Control Sample	Total/NA	Solid	8021B	8516
LCSD 880-8515/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8515
LCSD 880-8516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8516
880-6476-A-21-D MS	Matrix Spike	Total/NA	Solid	8021B	8516
880-6476-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8516
890-1315-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8515

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QC Association Summary

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

GC VOA

Analysis Batch: 8572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8021B	8517
890-1303-2	B-1	Total/NA	Solid	8021B	8517
MB 880-8517/5-A	Method Blank	Total/NA	Solid	8021B	8517
LCS 880-8517/1-A	Lab Control Sample	Total/NA	Solid	8021B	8517
LCSD 880-8517/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8517
880-6451-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	8517
880-6451-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8517

Analysis Batch: 8694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	Total BTEX	
890-1303-2	B-1	Total/NA	Solid	Total BTEX	
890-1303-3	B-1	Total/NA	Solid	Total BTEX	
890-1303-4	B-1	Total/NA	Solid	Total BTEX	
890-1303-5	B-1	Total/NA	Solid	Total BTEX	
890-1303-6	B-1	Total/NA	Solid	Total BTEX	
890-1303-7	B-1	Total/NA	Solid	Total BTEX	
890-1303-8	B-1	Total/NA	Solid	Total BTEX	
890-1303-9	B-2	Total/NA	Solid	Total BTEX	
890-1303-10	B-2	Total/NA	Solid	Total BTEX	
890-1303-11	B-2	Total/NA	Solid	Total BTEX	
890-1303-12	B-2	Total/NA	Solid	Total BTEX	
890-1303-13	B-2	Total/NA	Solid	Total BTEX	
890-1303-14	B-2	Total/NA	Solid	Total BTEX	
890-1303-15	B-2	Total/NA	Solid	Total BTEX	
890-1303-16	B-2	Total/NA	Solid	Total BTEX	
890-1303-17	B-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 8388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-16	B-2	Total/NA	Solid	8015NM Prep	
890-1303-17	B-2	Total/NA	Solid	8015NM Prep	
MB 880-8388/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8388/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6453-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6453-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 8396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-4	B-1	Total/NA	Solid	8015NM Prep	
890-1303-5	B-1	Total/NA	Solid	8015NM Prep	
890-1303-6	B-1	Total/NA	Solid	8015NM Prep	
890-1303-7	B-1	Total/NA	Solid	8015NM Prep	
890-1303-8	B-1	Total/NA	Solid	8015NM Prep	
890-1303-9	B-2	Total/NA	Solid	8015NM Prep	
890-1303-10	B-2	Total/NA	Solid	8015NM Prep	
890-1303-11	B-2	Total/NA	Solid	8015NM Prep	
890-1303-12	B-2	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 8396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-13	B-2	Total/NA	Solid	8015NM Prep	
890-1303-14	B-2	Total/NA	Solid	8015NM Prep	
890-1303-15	B-2	Total/NA	Solid	8015NM Prep	
MB 880-8396/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8396/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1299-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1299-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-4	B-1	Total/NA	Solid	8015B NM	8396
890-1303-5	B-1	Total/NA	Solid	8015B NM	8396
890-1303-6	B-1	Total/NA	Solid	8015B NM	8396
890-1303-7	B-1	Total/NA	Solid	8015B NM	8396
890-1303-8	B-1	Total/NA	Solid	8015B NM	8396
890-1303-9	B-2	Total/NA	Solid	8015B NM	8396
890-1303-10	B-2	Total/NA	Solid	8015B NM	8396
890-1303-11	B-2	Total/NA	Solid	8015B NM	8396
890-1303-12	B-2	Total/NA	Solid	8015B NM	8396
890-1303-13	B-2	Total/NA	Solid	8015B NM	8396
890-1303-14	B-2	Total/NA	Solid	8015B NM	8396
890-1303-15	B-2	Total/NA	Solid	8015B NM	8396
MB 880-8396/1-A	Method Blank	Total/NA	Solid	8015B NM	8396
LCS 880-8396/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8396
LCSD 880-8396/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8396
890-1299-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8396
890-1299-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8396

Analysis Batch: 8407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-16	B-2	Total/NA	Solid	8015B NM	8388
890-1303-17	B-2	Total/NA	Solid	8015B NM	8388
MB 880-8388/1-A	Method Blank	Total/NA	Solid	8015B NM	8388
LCS 880-8388/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8388
LCSD 880-8388/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8388
880-6453-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8388
880-6453-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8388

Analysis Batch: 8429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015B NM	8435
890-1303-2	B-1	Total/NA	Solid	8015B NM	8435
MB 880-8435/1-A	Method Blank	Total/NA	Solid	8015B NM	8435
LCS 880-8435/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8435
LCSD 880-8435/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8435
880-6278-A-54-E MS	Matrix Spike	Total/NA	Solid	8015B NM	8435
880-6278-A-54-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8435

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Talon/LPE
Project/Site: Charolais 6"Job ID: 890-1303-1
SDG: Lea County

GC Semi VOA

Analysis Batch: 8431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-3	B-1	Total/NA	Solid	8015B NM	8436
MB 880-8436/1-A	Method Blank	Total/NA	Solid	8015B NM	8436
LCS 880-8436/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8436
LCSD 880-8436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8436
880-6468-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	8436
880-6468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8436

Prep Batch: 8435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015NM Prep	
890-1303-2	B-1	Total/NA	Solid	8015NM Prep	
MB 880-8435/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8435/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8435/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6278-A-54-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6278-A-54-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 8436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-3	B-1	Total/NA	Solid	8015NM Prep	
MB 880-8436/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8436/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8436/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6468-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6468-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 8663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Total/NA	Solid	8015 NM	
890-1303-2	B-1	Total/NA	Solid	8015 NM	
890-1303-3	B-1	Total/NA	Solid	8015 NM	
890-1303-4	B-1	Total/NA	Solid	8015 NM	
890-1303-5	B-1	Total/NA	Solid	8015 NM	
890-1303-6	B-1	Total/NA	Solid	8015 NM	
890-1303-7	B-1	Total/NA	Solid	8015 NM	
890-1303-8	B-1	Total/NA	Solid	8015 NM	
890-1303-9	B-2	Total/NA	Solid	8015 NM	
890-1303-10	B-2	Total/NA	Solid	8015 NM	
890-1303-11	B-2	Total/NA	Solid	8015 NM	
890-1303-12	B-2	Total/NA	Solid	8015 NM	
890-1303-13	B-2	Total/NA	Solid	8015 NM	
890-1303-14	B-2	Total/NA	Solid	8015 NM	
890-1303-15	B-2	Total/NA	Solid	8015 NM	
890-1303-16	B-2	Total/NA	Solid	8015 NM	
890-1303-17	B-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 8386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 8386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-2	B-1	Soluble	Solid	DI Leach	
890-1303-3	B-1	Soluble	Solid	DI Leach	
890-1303-4	B-1	Soluble	Solid	DI Leach	
890-1303-5	B-1	Soluble	Solid	DI Leach	
890-1303-6	B-1	Soluble	Solid	DI Leach	
890-1303-7	B-1	Soluble	Solid	DI Leach	
890-1303-8	B-1	Soluble	Solid	DI Leach	
890-1303-9	B-2	Soluble	Solid	DI Leach	
890-1303-10	B-2	Soluble	Solid	DI Leach	
890-1303-11	B-2	Soluble	Solid	DI Leach	
MB 880-8386/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1303-2 MS	B-1	Soluble	Solid	DI Leach	
890-1303-2 MSD	B-1	Soluble	Solid	DI Leach	

Leach Batch: 8387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-12	B-2	Soluble	Solid	DI Leach	
890-1303-13	B-2	Soluble	Solid	DI Leach	
890-1303-14	B-2	Soluble	Solid	DI Leach	
890-1303-15	B-2	Soluble	Solid	DI Leach	
890-1303-16	B-2	Soluble	Solid	DI Leach	
890-1303-17	B-2	Soluble	Solid	DI Leach	
MB 880-8387/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8387/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8387/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-6450-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-6450-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 8473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-1	B-1	Soluble	Solid	300.0	8386
890-1303-2	B-1	Soluble	Solid	300.0	8386
890-1303-3	B-1	Soluble	Solid	300.0	8386
890-1303-4	B-1	Soluble	Solid	300.0	8386
890-1303-5	B-1	Soluble	Solid	300.0	8386
890-1303-6	B-1	Soluble	Solid	300.0	8386
890-1303-7	B-1	Soluble	Solid	300.0	8386
890-1303-8	B-1	Soluble	Solid	300.0	8386
890-1303-9	B-2	Soluble	Solid	300.0	8386
890-1303-10	B-2	Soluble	Solid	300.0	8386
890-1303-11	B-2	Soluble	Solid	300.0	8386
MB 880-8386/1-A	Method Blank	Soluble	Solid	300.0	8386
LCS 880-8386/2-A	Lab Control Sample	Soluble	Solid	300.0	8386
LCSD 880-8386/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8386
890-1303-2 MS	B-1	Soluble	Solid	300.0	8386
890-1303-2 MSD	B-1	Soluble	Solid	300.0	8386

QC Association Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

HPLC/IC

Analysis Batch: 8553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1303-12	B-2	Soluble	Solid	300.0	8387
890-1303-13	B-2	Soluble	Solid	300.0	8387
890-1303-14	B-2	Soluble	Solid	300.0	8387
890-1303-15	B-2	Soluble	Solid	300.0	8387
890-1303-16	B-2	Soluble	Solid	300.0	8387
890-1303-17	B-2	Soluble	Solid	300.0	8387
MB 880-8387/1-A	Method Blank	Soluble	Solid	300.0	8387
LCS 880-8387/2-A	Lab Control Sample	Soluble	Solid	300.0	8387
LCSD 880-8387/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8387
880-6450-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	8387
880-6450-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	8387

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Lab Chronicle

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-1

Date Collected: 09/22/21 10:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8517	09/28/21 13:08	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8572	09/29/21 15:48	KL	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 16:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	8435	09/27/21 08:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8429	09/27/21 15:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:32	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-2

Date Collected: 09/22/21 10:27

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8517	09/28/21 13:08	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	8572	09/29/21 16:09	KL	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 16:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8435	09/27/21 08:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8429	09/27/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:38	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-3

Date Collected: 09/22/21 10:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 17:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8436	09/27/21 09:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8431	09/27/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 20:57	CH	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-4

Date Collected: 09/22/21 10:42

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 18:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 02:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:03	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-5

Date Collected: 09/22/21 10:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 18:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 02:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:22	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-6

Date Collected: 09/22/21 11:00

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 03:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:28	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-1

Lab Sample ID: 890-1303-7

Date Collected: 09/22/21 11:20

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 03:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:34	CH	XEN MID

Client Sample ID: B-1

Lab Sample ID: 890-1303-8

Date Collected: 09/22/21 11:30

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 19:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/28/21 11:26	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-9

Date Collected: 09/22/21 13:15

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:06	KL	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 19:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:46	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-10

Date Collected: 09/22/21 13:25

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 04:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:52	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-11

Date Collected: 09/22/21 13:30

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 20:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	8386	09/24/21 15:32	SC	XEN MID
Soluble	Analysis	300.0		1			8473	09/27/21 21:59	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-12

Date Collected: 09/22/21 13:35

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 21:07	KL	XEN MID
Total/NA	Prep	5035			4.97 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 20:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:24	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8504	09/28/21 09:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8506	09/28/21 21:28	KL	XEN MID
Total/NA	Prep	5035			4.98 g	5 mL	8515	09/29/21 09:00	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	8570	09/29/21 20:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-13

Date Collected: 09/22/21 13:40

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 05:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:30	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-14

Date Collected: 09/22/21 13:45

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 00:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 06:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:36	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-15

Date Collected: 09/22/21 13:50

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8396	09/24/21 16:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8405	09/26/21 08:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:41	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8388	09/24/21 15:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8407	09/26/21 06:18	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

Client Sample ID: B-2

Lab Sample ID: 890-1303-16

Date Collected: 09/22/21 13:55

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:47	CH	XEN MID

Client Sample ID: B-2

Lab Sample ID: 890-1303-17

Date Collected: 09/22/21 14:05

Matrix: Solid

Date Received: 09/23/21 13:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8507	09/28/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8502	09/29/21 01:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			8694	09/30/21 19:38	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			8663	09/30/21 12:51	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8388	09/24/21 15:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8407	09/26/21 08:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	8387	09/24/21 15:35	SC	XEN MID
Soluble	Analysis	300.0		1			8553	09/29/21 21:53	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Charolais 6"

Job ID: 890-1303-1
SDG: Lea County

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Talon/LPE
 Project/Site: Charolais 6"

Job ID: 890-1303-1
 SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1303-1	B-1	Solid	09/22/21 10:20	09/23/21 13:25	8
890-1303-2	B-1	Solid	09/22/21 10:27	09/23/21 13:25	10
890-1303-3	B-1	Solid	09/22/21 10:40	09/23/21 13:25	12 - 13
890-1303-4	B-1	Solid	09/22/21 10:42	09/23/21 13:25	14 - 15
890-1303-5	B-1	Solid	09/22/21 10:55	09/23/21 13:25	16 - 17
890-1303-6	B-1	Solid	09/22/21 11:00	09/23/21 13:25	18
890-1303-7	B-1	Solid	09/22/21 11:20	09/23/21 13:25	21 - 22
890-1303-8	B-1	Solid	09/22/21 11:30	09/23/21 13:25	25 - 26
890-1303-9	B-2	Solid	09/22/21 13:15	09/23/21 13:25	8
890-1303-10	B-2	Solid	09/22/21 13:25	09/23/21 13:25	10
890-1303-11	B-2	Solid	09/22/21 13:30	09/23/21 13:25	12 - 13
890-1303-12	B-2	Solid	09/22/21 13:35	09/23/21 13:25	14 - 15
890-1303-13	B-2	Solid	09/22/21 13:40	09/23/21 13:25	16 - 17
890-1303-14	B-2	Solid	09/22/21 13:45	09/23/21 13:25	18
890-1303-15	B-2	Solid	09/22/21 13:50	09/23/21 13:25	21 - 22
890-1303-16	B-2	Solid	09/22/21 13:55	09/23/21 13:25	23 - 24
890-1303-17	B-2	Solid	09/22/21 14:05	09/23/21 13:25	26

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Environment Testing Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296, Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No:

www.xenco.com Page 1 of 2

Project Manager: Ruben Pena, Company Name: Talon LPE, Address: 408 W. Texas Ave., City, State ZIP: Artesia, NM 88210, Phone: 575.746.8768, Email: R.Pena@talonlpe.com

Work Order Comments: Program: UST/PST, State of Project: Reporting: Level II, Deliverables: EDD, ADAPT, Other:

Project Name: Overblais 1st, Project Number: 702952.00301, Project Location: See Request, Sample's Name: James James, PO #: James James, SAMPLE RECEIPT, Samples Received Intact: Yes, Cooler Custody Seals: Yes, Total Containers: 5.8

Table with columns: Sample Identification, Matrix, Date Sampled, Time Sampled, Depth, # of Cont, Parameters, Preservative Codes. Includes handwritten entries for samples B-1 through B-3.

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature) Received by: (Signature) Date/Time: 9/23/21 12:34, 9/23/21 1:325



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Eurofins Xenco, Carlsbad

1089 N Canal St.
 Carlsbad NM 88220
 Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



eurofins
 Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No				
Client Contact: Eurofins Xenco		Phone:	Kramer Jessica	890-427-1	890-427-1				
Shipping/Receiving: Eurofins Xenco		E-Mail: jessica.kramer@eurofins.com		State of Origin	Page 1 of 2				
Address: 1211 W Florida Ave		Accreditations Required (See note): NELAP - Texas		New Mexico	Page 1 of 2				
City: Midland		Due Date Requested	Analysis Requested						
State Zip: TX, 79701		9/29/2021	TAT Requested (day/s):						
Phone: 432-704-5440 (Tel)		PO #:	Preservation Codes						
Email:		W/O #:	A HCL B NaOH C - Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amchlor H Ascorbic Acid I Ice J DI Water K EDTA L EDA M - Hexane N None O - AsNaO2 P Na2O4S Q Na2SO3 R Na2S2O3 S H2SO4 T TSP Dodecylhydrate U Acetone V MCAA W pH 4.5 Z other (specify)						
Project Name: Charolais 6r		Project #:	Other:						
Site:		SSOV#:	Special Instructions/Note:						
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Organic, BT=Bitumen Anal)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	
B-1 (890-1303-1)	9/22/21	10 20	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-2)	9/22/21	10 27	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-3)	9/22/21	10 40	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-4)	9/22/21	10 42	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-5)	9/22/21	10 55	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-6)	9/22/21	11 00	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-7)	9/22/21	11 20	Mountain	Solid	Solid	X	X	X	1
B-1 (890-1303-8)	9/22/21	11 30	Mountain	Solid	Solid	X	X	X	1
B-2 (890-1303-9)	9/22/21	13 15	Mountain	Solid	Solid	X	X	X	1

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analyte/s/est/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other institutions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested I, II, III, IV Other (Specify) Primary Deliverable Rank 2
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *Core Corp* 9.23.21 Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____
 Custody Seals Intact Custody Seal No. _____
 A Yes A No
 Cooler Temperature(s) Sampler Remarks: *20125*

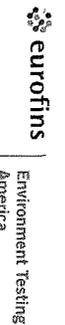
Special Instructions/Note:
 Return To Client Disposal By Lab Archive For _____ Months
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Method of Shipment: _____
 Resigned by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____



Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Shipping/Receiving	Phone:	Kramer, Jessica		890-427 2
Company		E-Mail: jessica.kramer@eurofins.com	State of Origin:	Page: 2 of 2
Eurofins Xenco		Accreditations Required (See note): NELAP - Texas	New Mexico	Job #: 890-1303-1
Address	Due Date Requested			
1211 W. Florida Ave,	9/29/2021			
City	TAT Requested (days)			
Midland				
State Zip:				
TX, 79701				
Phone:	PO #:			
432-704-5440(Tel)				
Email:	WO #:			
Project Name	Project #:			
Charolais 6"	89000040			
Site:	SSON#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=ore, BT=leach, A=air)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested	Total Number of containers	Special Instructions/Note:
					Field Filtered	Sample	MS/MSD	MS/MSD			
B-2 (890-1303-10)	9/22/21	13 25	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-11)	9/22/21	13 30	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-12)	9/22/21	13 35	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-13)	9/22/21	13 40	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-14)	9/22/21	13 45	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-15)	9/22/21	13 50	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-16)	9/22/21	13 55	Mountain	Solid	X	X	X	X		1	
B-2 (890-1303-17)	9/22/21	14 05	Mountain	Solid	X	X	X	X		1	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyze & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC

Possible Hazard Identification
Unconfirmed

Deliverable Requested I II III IV Other (specify) _____ Primary Deliverable Rank 2

Empty Kit Relinquished by _____ Date _____

Relinquished by Joe DiFon 9.23.21 Date/Time _____ Company _____

Relinquished by _____ Date/Time _____ Company _____

Custody Seals Intact Custody Seal No _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements _____

Method of Shipment: _____

Received by _____ Date/Time 9-21-21 11:00PM Company _____

Received by _____ Date/Time _____ Company _____

Cooler Temperature(s) °C and Other Remarks 2.8125

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1303-1

SDG Number: Lea County

Login Number: 1303

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1303-1

SDG Number: Lea County

Login Number: 1303

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 09/24/21 01:51 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0 / 2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 06, 2021

REBECCA PONS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/01/21 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: SW - BOTTOM 25' (H212731-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	19.1	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NE - BOTTOM 25' (H212731-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NSW 1 - LR - 4' (H212731-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NSW 2 - LR - 4' (H212731-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NSW 3 - LR - 4' (H212731-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: SE - BOTTOM 25' (H212731-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	21.2	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NW - BOTTOM 25' (H212731-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	<10.0	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: BOTTOM CENTER 25' (H212731-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2021	ND	228	114	200	1.16	
DRO >C10-C28*	25.2	10.0	10/02/2021	ND	224	112	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	10/02/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NSW 4 - LR - 4' (H212731-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: ESW 1 - LR - 4' (H212731-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NESW 1 - 4' (H212731-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NESW 2 - 4' (H212731-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	18.5	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.5 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NESW 4 - 4' (H212731-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	0.125	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.5 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NESW 3 - 4' (H212731-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NE 1 BOTTOM 4' (H212731-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/01/2021	Sampling Date:	10/01/2021
Reported:	10/06/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NE 2 BOTTOM 4' (H212731-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2021	ND	2.07	104	2.00	4.90	
Toluene*	<0.050	0.050	10/04/2021	ND	2.00	100	2.00	4.54	
Ethylbenzene*	<0.050	0.050	10/04/2021	ND	1.97	98.4	2.00	4.31	
Total Xylenes*	<0.150	0.150	10/04/2021	ND	6.00	100	6.00	3.19	
Total BTEX	<0.300	0.300	10/04/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/04/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2021	ND	232	116	200	2.29	
DRO >C10-C28*	<10.0	10.0	10/04/2021	ND	228	114	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/04/2021	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 2

Company Name: <u>Palmer</u> Project Manager: <u>Palmer</u>		P.O. #: _____ Company: <u>Palmer</u> Attn: _____ Address: _____ State: _____ Zip: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>702958.P03.01</u> Project Owner: _____ Project Name: <u>Christina LHM</u> Project Location: <u>Kee County</u> Sampler Name: _____		FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ H212731 11' NE SW 1-4' 12' NE SW 2-4' 13' NE SW 2-4' 14' NE SW 3-4' 15' NE Bottom 4' 16' NE 2 Bottom 4'	
(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____		MATRIX _____ PRESERV _____ SAMPLING _____ DATE _____ TIME _____ 10/61 11:40 ✓ 11:42 ✓ 11:45 ✓ 11:50 ✓ 11:53 ✓ 12:00 ✓	
Relinquished By: _____ Date: <u>10-1-21</u> Time: <u>12:45</u>		Received By: _____ Date: _____ Time: _____	
Delivered By: (Circle One) <u>14.02</u> / <u>13.52</u> #13 Sample - UPS - Bus - Other: _____		Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: _____ (Initials) <u>YQ</u>	
REMARKS: _____ Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #: _____			



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 14, 2021

REBECCA PONS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 10/13/21 12:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: S 5 A 6' (H212858-01)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-133

Surrogate: 1-Chlorooctadecane 119 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: SSW - 5 A 7' (H212858-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 1 25' (H212858-03)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 115 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 2 25' (H212858-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.144	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.160	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	0.187	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	0.491	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	232	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	51.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 3 25' (H212858-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.069	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.153	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	0.241	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	0.463	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.7	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	783	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	146	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 130 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 4 25' (H212858-06)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEX	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95		
DRO >C10-C28*	30.0	10.0	10/14/2021	ND	207	103	200	4.87		
EXT DRO >C28-C36	17.4	10.0	10/14/2021	ND						

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 5 25' (H212858-07)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.055	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.063	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	205	103	200	4.95	
DRO >C10-C28*	380	10.0	10/14/2021	ND	207	103	200	4.87	
EXT DRO >C28-C36	85.9	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 109 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 6 25' (H212858-08)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67		
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48		
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95		
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09		
Total BTEX	<0.300	0.300	10/13/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/13/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94		
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	215	108	200	3.89		
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND						

Surrogate: 1-Chlorooctane 92.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.4 % 38.9-142

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 7 25' (H212858-09)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	0.093	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	0.093	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	236	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	35.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 134 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 8 25' (H212858-10)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	361	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	29.2	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-133

Surrogate: 1-Chlorooctadecane 138 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NWB 1 25' (H212858-11)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	<10.0	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-133

Surrogate: 1-Chlorooctadecane 137 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NWB 2 25' (H212858-12)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	82.0	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 123 % 44.3-133

Surrogate: 1-Chlorooctadecane 132 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NWB 3 25' (H212858-13)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	12.1	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NWB 4 25' (H212858-14)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	2.11	105	2.00	4.67	
Toluene*	<0.050	0.050	10/13/2021	ND	2.07	103	2.00	4.48	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	2.04	102	2.00	4.95	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	6.17	103	6.00	5.09	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	207	104	200	5.94	
DRO >C10-C28*	98.9	10.0	10/14/2021	ND	215	108	200	3.89	
EXT DRO >C28-C36	10.6	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: BC 1 25' (H212858-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85	
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	20.6	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.0 % 38.9-142

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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: BC 2 25' (H212858-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85	
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	30.2	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 105 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	10/13/2021	Sampling Date:	10/13/2021
Reported:	10/14/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	** (See Notes)
Project Number:	702958.003.01	Sample Received By:	Tamara Oldaker
Project Location:	3 BEAR - LEA CO NM		

Sample ID: BC 3 25' (H212858-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/13/2021	ND	1.92	95.8	2.00	3.85	
Toluene*	<0.050	0.050	10/13/2021	ND	1.82	91.2	2.00	0.00	
Ethylbenzene*	<0.050	0.050	10/13/2021	ND	1.91	95.5	2.00	5.34	
Total Xylenes*	<0.150	0.150	10/13/2021	ND	5.68	94.7	6.00	4.66	
Total BTEX	<0.300	0.300	10/13/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/13/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/14/2021	ND	196	98.0	200	1.83	
DRO >C10-C28*	228	10.0	10/14/2021	ND	231	115	200	2.92	
EXT DRO >C28-C36	38.7	10.0	10/14/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

Pg 1 of 2

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: <u>Palson</u>		P.O. #:																
Project Manager: <u>Rubrene Pano</u>		Company: <u>Palson</u>																
Address: <u>408 W. Hobbs</u>		Attn:																
City: <u>Mitona</u> State: <u>NM</u> Zip: <u>88210</u>		Address:																
Phone #: <u>575-441-1980</u> Fax #:		City:																
Project #: <u>202958.00301</u> Project Owner: <u>R Pano</u>		State:																
Project Name: <u>Charalain L. Pipulim</u>		Zip:																
Project Location: <u>See Location</u>		Phone #:																
Sampler Name: <u>C. STRAWMAY</u>		Fax #:																
FOR LAB USE ONLY		PRESERV.																
Lab I.D. <u>H21858</u>	Sample I.D.	MATRIX		DATE	TIME	REMARKS	ANALYSIS REQUEST											
		(G)RAB OR (C)OMP.	# CONTAINERS					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:		
1	SSA	6.1																
2	SSA	7.1																
3	WLB1	2.51																
4	WLB2	2.51																
5	WLB3	2.51																
6	WLB4	2.51																
7	WLB5	2.51																
8	WLB6	2.51																
9	WLB7	2.51																
10	WLB8	2.51																
Relinquished By: <u>[Signature]</u>		Date: <u>10/13/21</u>		Received By: <u>[Signature]</u>		Date: <u>10/13/21</u>		Time: <u>12:15</u>		Sample Condition		CHECKED BY: <u>[Signature]</u>						
Relinquished By: <u>[Signature]</u>		Date: <u>10/13/21</u>		Received By: <u>[Signature]</u>		Date: <u>10/13/21</u>		Time: <u>12:15</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Initials: <u>[Signature]</u>						
Delivered By: (Circle One) <u>UPS</u>		2018 C-0.52		Sample Condition		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked BY: <u>[Signature]</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Initials: <u>[Signature]</u>						
Sampler - UPS - Bus - Other: <u>UPS</u>		19.62 #113		Sample Condition		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Checked BY: <u>[Signature]</u>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Initials: <u>[Signature]</u>						



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 2 of 2

101 East Maryland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

ANALYSIS REQUEST

Company Name: Polson
 Project Manager: Kathleen Dose
 Address: 210 S W York
 City: Albuquerque State: NM Zip:
 Phone #: 575-441-0958 Fax #:
 Project #: 702958-0031 Project Owner:
 Project Name: Charteris 6" Pipes
 Project Location: Leg. Utility
 Sampler Name: G. Jaramilla
 P.O. #: Company: Polson
 Attn: Address:
 City: State: Zip:
 Phone #: Matrix: SOIL
 Fax #: PRESERV: SAMPLING:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
4219558									
11	NWB1						10/13	10:43	✓
12	NWB2						10/13	10:45	✓
13	NWB3						10/13	10:50	✓
14	NWB4						10/13	10:57	✓
15	BC1						11/10	11:00	✓
16	BC2						11/10	11:05	✓
17	BC3						11/10	11:10	✓

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Relinquished By: [Signature] Date: 10/13/21 Time: 18:15
 Received By: [Signature] Date: 10/13/21 Time: 19:15
 Relinquished By: [Signature] Date: 10/13/21 Time: 18:15
 Received By: [Signature] Date: 10/13/21 Time: 19:15
 Delivered By: (Circle One) UPS Date: 20.12.21 Time: 05:00
 Sampler - UPS - Bus - Other: UPS # 19.6c #113
 Sample Condition: Cool Intact Yes No
 CHECKED BY: TP (Initials)
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: Bush!

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 09, 2021

REBECCA PONS
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: CHAROLAIS 6" PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 11/08/21 11:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/09/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	702958.003.01	Sample Received By:	Yvonne Muniz
Project Location:	3 BEAR - LEA CO NM		

Sample ID: NEB 2 26.5' (H213155-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2021	ND	1.98	99.0	2.00	6.47	
Toluene*	<0.050	0.050	11/08/2021	ND	1.91	95.5	2.00	6.82	
Ethylbenzene*	<0.050	0.050	11/08/2021	ND	1.88	93.8	2.00	7.65	
Total Xylenes*	<0.150	0.150	11/08/2021	ND	5.68	94.6	6.00	8.20	
Total BTEX	<0.300	0.300	11/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/08/2021	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2021	ND	216	108	200	6.47	
DRO >C10-C28*	<10.0	10.0	11/08/2021	ND	214	107	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	11/08/2021	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.1 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 REBECCA PONS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	11/08/2021	Sampling Date:	11/06/2021
Reported:	11/09/2021	Sampling Type:	Soil
Project Name:	CHAROLAIS 6" PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	702958.003.01	Sample Received By:	Yvonne Muniz
Project Location:	3 BEAR - LEA CO NM		

Sample ID: BC 3 26.5' (H213155-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2021	ND	1.98	99.0	2.00	6.47		
Toluene*	<0.050	0.050	11/08/2021	ND	1.91	95.5	2.00	6.82		
Ethylbenzene*	<0.050	0.050	11/08/2021	ND	1.88	93.8	2.00	7.65		
Total Xylenes*	<0.150	0.150	11/08/2021	ND	5.68	94.6	6.00	8.20		
Total BTEX	<0.300	0.300	11/08/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/08/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/08/2021	ND	216	108	200	6.47		
DRO >C10-C28*	<10.0	10.0	11/08/2021	ND	214	107	200	7.53		
EXT DRO >C28-C36	<10.0	10.0	11/08/2021	ND						

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

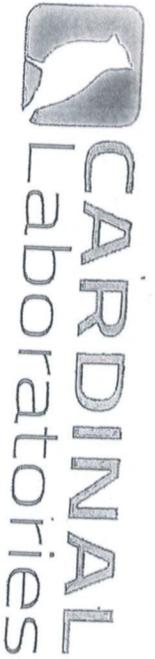
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Russin

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Company Name: Julien LP
 Project Manager: Rubena Pats
 Address: 408 W. Texas
 City: Albuquerque State: NM Zip: 88210
 Phone #: 575-444-0980 Fax #:
 Project #: 762558.003.01 Project Owner:
 Project Name: PARADES - 6a
 Project Location: Lea County
 Sampler Name: Erin Russell
 FOR LAB USE ONLY

P.O. #:
 Company: Julien
 Address:
 City: State: Zip:
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.				SAMPLING
H213155	1 WEG - 210.5'													
	2 BE3 - 210.5'													

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Relinquished By: Rubena
 Date: 1-8-21
 Time: 1:13
 Received By: Yvonne Murray
 Date:
 Time:
 Redelivered By:

Delivered By: (Circle One) 9.80 2.0.5
 Sampler - UPS - Bus - Other: 9.30 #13
 Sample Condition: Cool Intact
 Checked By: Yvonne Murray

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:

* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

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 70308

CONDITIONS

Operator: 3BEAR FIELD SERVICES, LLC 1512 Larimer St, Suite 540 Denver, CO 80202	OGRID: 372603
	Action Number: 70308
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/25/2022