Page 6

Oil Conservation Division

Incident ID	NMCS0314035020
District RP	
Facility ID	
Application ID	

Page 1 of 127

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.

<u>Closure Report Attachment Checklist</u>: *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: Clinton Talley	_ _{Title:} EHS
Signature: <u>Clint Talley</u> email: <u>clinton.talley@matadorresources.com</u>	Date: 5/3/2023
email: clinton.talley@matadorresources.com	Telephone: 337-319-8398
OCD Only	
Received by: Jocelyn Harimon	Date:05/03/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: <u><i>Robert Hamlet</i></u>	Date:9/15/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced



Closure Report

Travis Bassett-Birney #001 Eddy County, New Mexico API ID # 30-015-22370 Incident # NMCS0314035020

Prepared For:

Matador Resources 5347 N. 26th Street 2nd Floor. Artesia, NM 88210

Prepared By:

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

May 3, 2023



NMOCD 506 W. Texas Ave Artesia, NM 88210

Subject: Closure Report Travis Bassett-Birney #001 Eddy County, New Mexico API # 30-015-22370 Incident # NMCS0314035020

To Whom It May Concern,

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

Site Information

The Travis Bassett-Birney #001 is located approximately 17.5 miles east of Artesia, New Mexico. The legal location for this release is Unit Letter J, Section 07, Township 18 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.7600708 and -104.1119537. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Simona-Bippus complex with, 0 to 5 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Eolian and Piedmont deposits, Holocene to middle Pleistocene in age.

Groundwater and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 3 miles from the site and is recorded at 180 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

🖀 866.742.0742

Approximate Depth t	to Groundwater 180 feet bgs
□Yes ⊠No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
∐Yes ⊠No	Within 200 feet of any lakebed, sinkhole or a playa lake
□Yes ⊠No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church
□Yes ⊠No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
□Yes ⊠No	Within 1000 feet of any freshwater well or spring
□Yes ⊠No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
□Yes ⊠No	Within 300 feet of a wetland
□Yes ⊠No	Within the area overlying a subsurface mine
□Yes ⊠No	Within an unstable area
⊡Yes ⊠No	Within a 100-year floodplain

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I Closure Criteria for Soils Impacted by a Release							
Depth below horizontal extents of release to ground water less than 10,000 mg/I TDS	Constituent	Method	Limit				
<u><</u> 50 feet	Total Chlorides	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

Matador Resources personnel noted a historical spill had been reported on May 9, 2009, that needed to be addressed. The C-141 submitted to the NMOCD, incident number NMCS0314035020, stated that the cuase of the release was unknown. Approximately 10 barrels (bbls) of condensate was released with 0 bbls recovered. The site location map is presented in Appendix I.

Site Assessment

On December 9, 2022, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Eurofins Analytical Laboratory for analysis of Total Chlorides (Method MCAWW 300), Total Petroleum Hydrocarbons (TPH via Method SW846 8015B NM), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 2 in Appendix I and the results of our sampling event are presented below.

Soil Sample Laboratory Results									
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	Chlorides 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
	12/09/2022	0'	ND	ND	24.8	ND	ND	24.8	5.5
S-1	12/09/2022	1'	ND	ND	27.9	ND	ND	27.9	1.8
	12/09/2022	2'R	ND	ND	30.6	ND	ND	30.6	2.3
	12/09/2022	0'	ND	ND	26.8	ND	ND	26.8	1.7
	12/09/2022	1'	ND	ND	27.6	ND	ND	27.6	1.1
S-2	12/09/2022	2'	ND	ND	24.5	ND	ND	24.5	1.5
	12/09/2022	3'	ND	ND	31.1	ND	ND	31.1	28.3
	12/09/2022	4'	ND	ND	18.1	ND	ND	18.1	78.8
S-3	12/09/2022	0'R	ND	ND	31.3	ND	ND	21.3	2.7
S-4	12/09/2022	0'	ND	ND	26.1	ND	ND	26.1	7.4
3-4	1/19/2023	3'R	ND	ND	22.5	ND	16.8	55.6	315
S-5	12/09/2022	0'	ND	ND	27.6	ND	ND	27.6	2.8
3-3	1/19/2023	3'R	ND	ND	77.4	ND	ND	77.4	108
S-6	1/19/2023	1'	ND	ND	28.4	25.2	28.9	82.5	45.5
3-0	1/19/2023	3'R	ND	ND	17.7	ND	ND	17.7	276
	1/19/2023	1'	ND	ND	32.0	19.6	ND	51.6	20.9
S-7	1/19/2023	3'	ND	ND	ND	ND	ND	ND	26.6
	1/19/2023	6'	ND	ND	ND	37.8	ND	37.8	44.6
	1/19/2023	1'	ND	ND	25.3	ND	ND	25.3	9.7
S-8	1/19/2023	3'	ND	ND	28.9	20.3	ND	49.2	23.9
	1/19/2023	6'	ND	ND	ND	ND	ND	ND	254
	ND = Analyte Not Detected								

Table 1Soil Sample Laboratory Results

Remedial Actions

Based on the laboratory analytical results from the initial site assessment, Talon concludes that the location meets the closure criteria required by NMOCD. Therefore no remedial actions were deemed necessary.

Closure

On behalf of Matador Resources, we respectfully request that no further actions be required and that closure of this incident be granted.

Respectfully submitted,

Talon/LPE

Ched Harob

Chad Hensley Project Manager

Attachments:

Appendix ISite MapsAppendix IIGroundwater Data, Soil Survey, FEMA Flood MapAppendix IIIC-141 FormAppendix IVPhoto DocumentationAppendix VLaboratory Report



Appendix I

Site Maps





Drafted: 2/27/2023 1 in = 100 ft Drafted By: IJR Matador Production Co. Travis Basses-Birney #001 Eddy County, NM Assessment Map









Drafted: 2/27/2023 1 in = 2,000 ft Drafted By: IJR Matador Production Co. Travis Basses-Birney #001 Eddy County, NM Site Map





Appendix II Groundwater Data Soil Survey FEMA Flood Map

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)	、 1		2=NE 3=SW 4 st to largest)	=SE) (NAD83 UTM i	n meters)	(In t	feet)
POD Number	POD Sub- Code basin Cou	Q Q Q unty 64 16 4		Rng	х ү	Distance	•	epth Water /ater Column
<u>CP 01618 POD1</u>	CP E	D 342	29 18S	29E 5851		Verage Depth to Minimum Maximum	Water: Depth:	180 60 180 feet 180 feet 180 feet

UTMNAD83 Radius Search (in meters):

Easting (X): 583178.42

Northing (Y): 3625040.93

Radius: 5000

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



United States Department of Agriculture

NRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico



Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.





Released to Imaging: 9/15/2023 2:48:50 PM

MAP LEGEND



MAP INFORMATION

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

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: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

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

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
ВА	Berino loamy fine sand, 0 to 3 percent slopes	78.2		
BD	Berino-Dune land complex, 0 to 3 percent slopes	885.2	11.0%	
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	47.6	0.6%	
PD	Pajarito-Dune land complex, 0 to 3 percent slopes	193.9	2.4%	
PS	Potter-Simona complex, 5 to 25 percent slopes	0.0	0.0%	
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	1,317.0	16.3%	
SM	Simona-Bippus complex, 0 to 5 percent slopes	4,109.1	50.9%	
ТС	Tonuco loamy sand, 0 to 3 percent slopes, eroded	316.9	3.9%	
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	673.4	8.3%	
ТО	Tonuco-Berino loamy sands, 0 to 5 percent slopes	441.8	5.5%	
WK	Wink loamy fine sand, 0 to 3 percent slopes, eroded	7.8	0.1%	
Totals for Area of Interest		8,071.7	100.0%	

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42 Elevation: 2,000 to 5,700 feet Mean annual precipitation: 6 to 14 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 260 days Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent Minor components: 1 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts Landform position (three-dimensional): Riser Down-slope shape: Convex Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand H2 - 12 to 58 inches: sandy clay loam H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BC007NM - Loamy Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

BD—Berino-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w44 Elevation: 2,450 to 5,500 feet Mean annual precipitation: 8 to 15 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 45 percent Dune land: 40 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts Landform position (three-dimensional): Riser Down-slope shape: Convex Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sandy loam H2 - 17 to 50 inches: sandy clay loam H3 - 50 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BC007NM - Loamy Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dune fields Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Talf Down-slope shape: Convex, linear Across-slope shape: Convex, linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 5 percent Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Kermit

Percent of map unit: 5 percent Ecological site: R070BD005NM - Deep Sand Hydric soil rating: No

Active dune land

Percent of map unit: 5 percent Hydric soil rating: No

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54 Elevation: 2,700 to 5,500 feet Mean annual precipitation: 5 to 15 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 250 days *Farmland classification:* Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent Minor components: 2 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Linear, convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 13 inches: loamy fine sand *H2 - 13 to 36 inches:* fine sandy loam *H3 - 36 to 60 inches:* fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Minor Components

Berino

Percent of map unit: 1 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Wink

Percent of map unit: 1 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

PD—Pajarito-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w55 Elevation: 3,000 to 5,000 feet Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 190 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 46 percent Dune land: 45 percent Minor components: 9 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Linear, convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: fine sandy loam *H2 - 9 to 36 inches:* fine sandy loam *H3 - 36 to 72 inches:* fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dune fields Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Talf Down-slope shape: Convex, linear Across-slope shape: Convex, linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent Hydric soil rating: No

Largo

Percent of map unit: 4 percent Ecological site: R070BC007NM - Loamy Hydric soil rating: No

PS—Potter-Simona complex, 5 to 25 percent slopes

Map Unit Setting

National map unit symbol: 1w57 Elevation: 2,750 to 5,000 feet Mean annual precipitation: 8 to 16 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days Farmland classification: Not prime farmland

Map Unit Composition

Potter and similar soils: 80 percent Simona and similar soils: 15 percent Minor components: 5 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Potter

Setting

Landform: Ridges, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope Landform position (three-dimensional): Side slope, head slope, nose slope, crest Down-slope shape: Convex Across-slope shape: Linear Parent material: Alluvium

Typical profile

H1 - 0 to 10 inches: gravelly loam H2 - 10 to 60 inches: cemented material

Properties and qualities

Slope: 5 to 25 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R070BC025NM - Shallow Hydric soil rating: No

Description of Simona

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 11 inches: gravelly fine sandy loam

- H2 11 to 19 inches: gravelly fine sandy loam
- H3 19 to 60 inches: cemented material

Properties and qualities

Slope: 5 to 10 percent Depth to restrictive feature: 7 to 20 inches to petrocalcic Drainage class: Well drained Runoff class: Very high Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None Calcium carbonate, maximum content: 15 percent Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Sodium adsorption ratio, maximum: 1.0 Available water supply, 0 to 60 inches: Very low (about 2.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 3 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Rock outcrop

Percent of map unit: 2 percent Hydric soil rating: No

SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5w Elevation: 2,750 to 5,000 feet Mean annual precipitation: 8 to 16 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 95 percent Minor components: 5 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam *H2 - 19 to 23 inches:* indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 4 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Playa

Percent of map unit: 1 percent Landform: Playas Landform position (three-dimensional): Talf Down-slope shape: Concave, convex Across-slope shape: Concave, linear Ecological site: R070BC017NM - Bottomland Hydric soil rating: Yes

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet Mean annual precipitation: 8 to 24 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam *H2 - 19 to 23 inches:* indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans Landform position (three-dimensional): Talf, rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e Hydrologic Soil Group: B Ecological site: R070BC017NM - Bottomland Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No

Bippus

Percent of map unit: 7 percent Ecological site: R070BC017NM - Bottomland Hydric soil rating: No

TC—Tonuco loamy sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w60 Elevation: 3,000 to 4,100 feet Mean annual precipitation: 10 to 14 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 200 to 217 days Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 98 percent *Minor components:* 2 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Tonuco

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy sand H2 - 5 to 15 inches: loamy fine sand H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 1 percent Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Dune land

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

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w61 Elevation: 3,000 to 4,100 feet

Mean annual precipitation: 10 to 14 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 200 to 217 days Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 98 percent *Minor components:* 2 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Tonuco

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy fine sand *H2 - 5 to 15 inches:* loamy fine sand *H3 - 15 to 19 inches:* indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 1 percent Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Dune land

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

TO—Tonuco-Berino loamy sands, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w63 Elevation: 2,000 to 5,700 feet Mean annual precipitation: 6 to 14 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 260 days Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 60 percent *Berino and similar soils:* 30 percent *Minor components:* 10 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Tonuco

Setting

Landform: Alluvial fans, plains Landform position (three-dimensional): Rise Down-slope shape: Linear, convex Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy sand *H2 - 5 to 15 inches:* loamy fine sand *H3 - 15 to 19 inches:* indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Description of Berino

Setting

Landform: Plains, fan piedmonts Landform position (three-dimensional): Riser Down-slope shape: Convex Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: loamy sand H2 - 17 to 50 inches: sandy clay loam H3 - 50 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Minor Components

Tonuco

Percent of map unit: 5 percent Ecological site: R070BD004NM - Sandy Hydric soil rating: No

Pajarito

Percent of map unit: 5 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

WK—Wink loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w6c Elevation: 2,700 to 5,000 feet Mean annual precipitation: 5 to 14 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 250 days Farmland classification: Not prime farmland

Map Unit Composition

Wink and similar soils: 98 percent *Minor components:* 2 percent *Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Wink

Setting

Landform: Swales, depressions Landform position (three-dimensional): Talf Down-slope shape: Convex Across-slope shape: Convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 8 inches: loamy fine sand
H2 - 8 to 38 inches: fine sandy loam
H3 - 38 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 1 percent *Ecological site:* R070BD004NM - Sandy *Hydric soil rating:* No

Simona

Percent of map unit: 1 percent Ecological site: R070BD002NM - Shallow Sandy Hydric soil rating: No
National Flood Hazard Layer FIRMette



Legend



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



Appendix III

C-141 Forms

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NMCS0314035020
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Matador Resources	OGRID 228937	
Contact Name Clinton Talley	Contact Telephone 337-319-8398	
Contact email clinton.talley@matadorresources.com Incident # (assigned by OCD) NMCS0314035020		
Contact mailing address 5347 N. 26th St. 2nd Floor, Artesia, NM 88210		

Location of Release Source

Latitude 32.7600708

Longitude -104.1119537

(NAD 83 in decimal degrees to 5 decimal places)

Site Name TRAVIS BASSETT-BIRNEY #001	Site Type Gas	
Date Release Discovered 05/09/2003	API# (<i>if applicable</i>) 30-015-22370	

Unit Letter	Section	Township	Range	County
J	07	18S	29E	Eddy County, NM

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)		
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No		
Condensate	Volume Released (bbls) 10 bbl	Volume Recovered (bbls)		
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release				

Unknown

Page	2
1 ugo	-

Oil Conservation Division

Incident ID	NMCS0314035020
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🔽 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

 \checkmark The source of the release has been stopped.

 \checkmark The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 \checkmark All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Clinton Talley	Title: EHS
Signature: <u>Clint Talley</u> email: <u>clinton.talley@matadorresources.com</u>	Date: <u>5/3/2023</u>
email:	Telephone: 337-319-8398
OCD Only	
Received by: Jocelyn Harimon	Date:05/03/2023

Received by OCD: 5/3/2023 1:35:17 PM State of New Mexico

Page 3

Oil Conservation Division

	Page 41 of 12
Incident ID	NMCS0314035020
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔽 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔽 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔽 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔽 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- Data table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- ✓ Topographic/Aerial maps
- Laboratory data including chain of custody

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

eceived by OCD: 5/3/2023	1:35:17 PM. State of New Mexico			Page 42 of 1
			Incident ID	NMCS0314035020
e 4 Oil Conservation Divisi		on	District RP	
			Facility ID	
			Application ID	
regulations all operators are republic health or the environment failed to adequately investigat addition, OCD acceptance of a and/or regulations. Printed Name:Clint T	hation given above is true and complete to equired to report and/or file certain release ent. The acceptance of a C-141 report by the and remediate contamination that pose a a C-141 report does not relieve the operato alley	notifications and perform c he OCD does not relieve th threat to groundwater, surf r of responsibility for comp 	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In
OCD Only Received by: Jocely	n Harimon	Date:05	/03/2023	

Received by OCD: 5/3/2023 1:35:17 PM. Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist:</u> 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: _____ Title: _____ Signature: _____ Date: Telephone: _____ email: OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Page 5

Page 6

Oil Conservation Division

Incident ID	NMCS0314035020
District RP	
Facility ID	
Application ID	

Page 44 of 127

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.

<u>Closure Report Attachment Checklist</u>: 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

 \checkmark 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)

 \square 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: Clinton Talley	_ Title: EHS
Signature: <u>Clint Talley</u> email: <u>clinton.talley@matadorresources.com</u>	Date:5/3/2023
email: clinton.talley@matadorresources.com	Telephone: 337-319-8398
OCD Only	
Received by: Jocelyn Harimon	Date:05/03/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:



Appendix IV

Photographic Documentation

Vatador TRAVIS BASSETT-BIRNEY

Page 46 of 127

X

5 12.09 2022 10:05 AM 32.75986 5104 11245 Broesed to Free Part Costa, NMA

Matador TRAVIS BASSETT-BIRNE

eceived by OCI

Page 47 of 12

12.09.2022 10:39 AM 32.75979, -104.11228 Bidestein Rd, Artesia, 140A

Matador TRAVIS BASSETT-BIRNEY S-3 12.09.2022 11:07 AM 32.75969, -104.11203 Bidestein Ku, Artesia, NMA

Received by OCD: 5/3/2023 1:35:17 PM

Page 48 of 127

TRAVIS BASSETT-BIRNEY #001 S-4 01.19.2023 10:15 AM 32.75958, -104.1117 Bruestein Ris, Artesia, NMA^{50 PM}

Received by OCD: 5/3/2023 1:35:17 PM

Page 49 of 127

Matador TRAVIS BASSETT-BIRNEY S-4 12.09.2022 11:13 AM 32.75956, -104.11164 Biuestem Rd, Artesia, NMA

Received by OCD: 5/3/2023 1:35:17 PM

1000

Page 50 of 127

TRAVIS BASSETT-BIRNEY #001 S-5 01.19.2023 10:01 AM 32.75953, -104.11164 Biuestem Ru, Artesia, NMA

Received by OCD: 5/3/2023 1:35:17 PM

Page 51 of 12

TRAVIS BASSETT-BIRNEY #001 S-6 01.19.2023 10:26 AM 32.75958, -104.11181 Biuestem RG, Artesia, NMA^{50 PM}

.

Received by OCD: 5/3/2023 1:35:17 PM

18

TRAVIS BASSETT BIRNEY #001 S-7 01.19.2023 10:43 AM

01.19.2023 10:43 AM 32.75968, -104.11204 BRelessed in Imaging: 225/2273 2:48:59 PM

TRAVIS BASSETT-BIRNEY #001 S-8 01.19.2023 11:18 AM 32.75984, -104 11249 BReested in Integing: 2/25/20,3 2:49:50 PM



Appendix V

Laboratory Reports



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210 Generated 12/22/2022 10:28:09 AM

JOB DESCRIPTION

TRAVIS BASSETT BIRNEY #001 SDG NUMBER Rural County NM

JOB NUMBER

890-3632-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information



1

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

RAMER

Generated 12/22/2022 10:28:09 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

SDG: Rural County NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	16
QC Sample Results	17
QC Association Summary	22
Lab Chronicle	26
Certification Summary	30
Method Summary	31
Sample Summary	32
Chain of Custody	33
Receipt Checklists	37

Page 59 of 127

ceivea by OCI	. 3/3/2023 1.33.1/ 1.11	ruge 39 0j	14/
	Definitions/Glossary		
Client: Talon/Ll	PE	Job ID: 890-3632-1	
Project/Site: TF	RAVIS BASSETT BIRNEY #001	SDG: Rural County NM	
Qualifiers			3
GC/MS VOA			
Qualifier	Qualifier Description		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			5
Qualifier	Qualifier Description		
В	Compound was found in the blank and sample.		
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.		
U	Indicates the analyte was analyzed for but not detected.		
HPLC/IC			
Qualifier	Qualifier Description		8
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.		
U	Indicates the analyte was analyzed for but not detected.		9
Glossary			10
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		

Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	4 /
%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	

Eurofins Carlsbad

Page 60 of 127

4

Job ID: 890-3632-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3632-1

Receipt

The samples were received on 12/13/2022 11:22 AM. 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 2.0°C

GC/MS VOA

Method 8260D: Sample received in a bulk jar.S-1 (890-3632-2), S-1 (890-3632-3), S-2 (890-3632-4), S-2 (890-3632-5), S-2 (890-3632-6), S-2 (890-3632-7), S-2 (890-3632-8), S-3 (890-3632-9), S-4 (890-3632-10) and S-5 (890-3632-11)

Method 8260D: Sample received in a bulk jar.S-1 (890-3632-1), (890-3620-A-15-C) and (890-3620-A-15-D MS)

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-41841 and analytical batch 880-42076 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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.

Date Collected: 12/09/22 09:34 Date Received: 12/13/22 11:22 Sample Depth: SURFACE

—	
Method: SW846 8260D - Volatile Org	anic Compounds by GC/MS

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.000729	U	0.000994	0.000729	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
<0.00190	U	0.00497	0.00190	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
<0.000661	U	0.000994	0.000661	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
<0.000795	U	0.00199	0.000795	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
<0.000895	U	0.000994	0.000895	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
<0.000895	U	0.00199	0.000895	mg/Kg		12/19/22 10:21	12/20/22 09:31	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
100		56 - 150				12/19/22 10:21	12/20/22 09:31	1
84		68 - 152				12/19/22 10:21	12/20/22 09:31	1
94		53 _ 142				12/19/22 10:21	12/20/22 09:31	1
92		70 - 130				12/19/22 10:21	12/20/22 09:31	1
Total BTEX Cald	culation							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.000795	U	0.00199	0.000795	mg/Kg			12/20/22 16:18	1
Range Organ	ics (DRO) (GC)						
		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
24.8	J	49.9	15.0	mg/Kg		·•	12/19/22 15:08	1
		· · ·						
					<u>D</u>	<u> </u>		Dil Fac
24.8	JB	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:34	1
<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:34	1
<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:34	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
106		70 - 130				12/14/22 14:38	12/18/22 03:34	1
		70 - 130				12/14/22 14:38	12/18/22 03:34	1
111		10 - 100						
111 s, lon Chromato	ography - So							
, Ion Chromato	o <mark>graphy - So</mark> Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
, Ion Chromato		bluble		Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
, Ion Chromato 		pluble RL			<u>D</u>			1
	 <0.000729 <0.00190 <0.000661 <0.000795 <0.000895 <0.000895 <0.000895 <0.000895 <0.000895 	Result Qualifier <0.000729	Result Qualifier RL <0.000729	<0.000729 U 0.000994 0.000729 <0.00190	Result Qualifier RL MDL Unit <0.000729	<0.000729 U 0.000994 0.000729 mg/Kg <0.00190	<0.000729	<0.000729
<0.000729 U 0.000994 0.000729 <0.00190	Result Qualifier RL MDL Unit <0.000729	<0.000729 U 0.000994 0.000729 mg/Kg <0.00190	<0.000729	<0.000729				

Date Collected: 12/09/22 09:48 Date Received: 12/13/22 11:22 Sample Depth: 1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000733	U	0.00100	0.000733	mg/Kg		12/19/22 10:21	12/20/22 01:19	1
Toluene	<0.00191	U	0.00500	0.00191	mg/Kg		12/19/22 10:21	12/20/22 01:19	1
Ethylbenzene	<0.000665	U	0.00100	0.000665	mg/Kg		12/19/22 10:21	12/20/22 01:19	1
m,p-Xylenes	<0.00800	U	0.00200	0.000800	mg/Kg		12/19/22 10:21	12/20/22 01:19	1
o-Xylene	<0.000900	U	0.00100	0.000900	mg/Kg		12/19/22 10:21	12/20/22 01:19	1
Xylenes, Total	<0.000900	U	0.00200	0.000900	mg/Kg		12/19/22 10:21	12/20/22 01:19	1

Eurofins Carlsbad

Page 61 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-1

Matrix: Solid

5

Project/Site: TRAVIS BASSETT BIRNEY #001

Method: TAL SOP Total BTEX - Total BTEX Calculation

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Limits

56 - 150

68 - 152

53 - 142

70 - 130

RL

RL

50.0

0.00200

MDL

0.000800

Unit

MDL Unit

15.0

mg/Kg

mg/Kg

Qualifier

%Recovery

104

103

103

101

<0.000800 U

27.9 J

Result Qualifier

Result Qualifier

Job ID: 890-3632-1 SDG: Rural County NM

Analyzed

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

Analyzed

12/20/22 16:18

12/19/

Lab Sample ID: 890-3632-3

Client Sample ID: S-1
Date Collected: 12/09/22 09:48

Date Received: 12/13/22 11:22

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Client: Talon/LPE

Sample Depth: 1

Toluene-d8 (Surr)

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Lab Sample ID: 890-3632-2

Prepared

12/19/22 10:21

12/19/22 10:21

12/19/22 10:21

12/19/22 10:21

Prepared

Prepared

D

D

Matrix: Solid

Dil Fac

Dil Fac

1

1

1

1

Analyzed	Dil Fac	
/19/22 15:08	1	
Analyzed	Dil Fac	
/18/22 03:56	1	

Matrix: Solid

-	
1	
1	
1	
ic .	
1	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	27.9	JB	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:56	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/14/22 14:38	12/18/22 03:56	1
o-Terphenyl	112		70 - 130				12/14/22 14:38	12/18/22 03:56	1
Method: MCAWW 300.0 - Anions	Ion Chromato	ography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.78	J	5.04	0.398	mg/Kg			12/20/22 19:32	1

Client Sample ID: S-1

Date Collected: 12/09/22 09:52 Date Received: 12/13/22 11:22 Sample Depth: 2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000733	U	0.00100	0.000733	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
Toluene	<0.00191	U	0.00500	0.00191	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
Ethylbenzene	<0.000665	U	0.00100	0.000665	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
m,p-Xylenes	<0.00800	U	0.00200	0.000800	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
o-Xylene	<0.000900	U	0.00100	0.000900	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
Xylenes, Total	<0.000900	U	0.00200	0.000900	mg/Kg		12/19/22 10:21	12/20/22 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		56 - 150				12/19/22 10:21	12/20/22 01:40	1
4-Bromofluorobenzene (Surr)	103		68 - 152				12/19/22 10:21	12/20/22 01:40	1
Dibromofluoromethane (Surr)	101		53 - 142				12/19/22 10:21	12/20/22 01:40	1
Toluene-d8 (Surr)	101		70 - 130				12/19/22 10:21	12/20/22 01:40	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00800	U	0.00200	0.000800	mg/Kg			12/20/22 16:20	1

Iotal BIEX	<0.000800 U	0.00200	0.000800	mg/Kg
 _				

Eurofins Carlsbad

Project/Site: TRAVIS BASSETT BIRNEY #001

Matrix: Solid

5

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-3

Client Sample ID: S-1

Date Collected: 12/09/22 09:52 Date Received: 12/13/22 11:22

Sample Depth: 2

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	30.6	J	50.0	15.0	mg/Kg			12/19/22 15:08	1
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	30.6	ЈВ	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 04:39	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 04:39	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				12/14/22 14:38	12/18/22 04:39	1
o-Terphenyl	121		70 - 130				12/14/22 14:38	12/18/22 04:39	1

Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.29	J	5.02	0.397	mg/Kg			12/20/22 19:40	1

Client Sample ID: S-2

Date Collected: 12/09/22 10:01 Date Received: 12/13/22 11:22 Sample Depth: SURFACE

Lab Sample ID: 890-3632-4 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000739	U	0.00101	0.000739	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
Toluene	<0.00193	U	0.00504	0.00193	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
Ethylbenzene	<0.000670	U	0.00101	0.000670	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
m,p-Xylenes	<0.000806	U	0.00202	0.000806	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
o-Xylene	<0.000907	U	0.00101	0.000907	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
Xylenes, Total	<0.000907	U	0.00202	0.000907	mg/Kg		12/19/22 13:32	12/20/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		56 - 150				12/19/22 13:32	12/20/22 02:00	1
4-Bromofluorobenzene (Surr)	103		68 - 152				12/19/22 13:32	12/20/22 02:00	1
Dibromofluoromethane (Surr)	105		53 - 142				12/19/22 13:32	12/20/22 02:00	1
Toluene-d8 (Surr)	100		70 _ 130				12/19/22 13:32	12/20/22 02:00	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000806	U	0.00202	0.000806	mg/Kg			12/20/22 16:20	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.8	J	49.9	15.0	mg/Kg			12/19/22 15:08	1

			N = 1						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	26.8	ЈВ	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:01	1
C10-C28)									

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

5

Client Sample Results

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-4

12/20/22 19:47

Lab Sample ID: 890-3632-5

Client Sample ID: S-2

Date Collected: 12/09/22 10:01 Date Received: 12/13/22 11:22

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				12/14/22 14:38	12/18/22 05:01	1
o-Terphenyl	117		70 - 130				12/14/22 14:38	12/18/22 05:01	1

4.97

0.393 mg/Kg

1.67 J

Client	Samn	le ID	• S-2

Date Collected: 12/09/22 10:42 Date Received: 12/13/22 11:22

Sample Depth: 1

Chloride

Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000737	U	0.00101	0.000737	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
Toluene	<0.00192	U	0.00503	0.00192	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
Ethylbenzene	<0.000669	U	0.00101	0.000669	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
m,p-Xylenes	<0.000805	U	0.00201	0.000805	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
o-Xylene	<0.000905	U	0.00101	0.000905	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
Xylenes, Total	<0.000905	U	0.00201	0.000905	mg/Kg		12/19/22 13:32	12/20/22 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		56 _ 150				12/19/22 13:32	12/20/22 02:21	1
4-Bromofluorobenzene (Surr)	103		68 - 152				12/19/22 13:32	12/20/22 02:21	1
Dibromofluoromethane (Surr)	103		53 _ 142				12/19/22 13:32	12/20/22 02:21	1
Toluene-d8 (Surr)	101		70 - 130				12/19/22 13:32	12/20/22 02:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000805	U	0.00201	0.000805	mg/Kg			12/20/22 16:20	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.6	J	49.9	15.0	mg/Kg			12/19/22 15:08	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	27.6	JB	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:23	1
(GRO)-C6-C10 Diesel Range Organics (Over	27.6 <15.0		49.9		mg/Kg mg/Kg		12/14/22 14:38 12/14/22 14:38	12/18/22 05:23 12/18/22 05:23	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U		15.0	0 0				1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<15.0	U U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:23	1 1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<15.0 <15.0	U U	49.9 49.9	15.0	mg/Kg		12/14/22 14:38 12/14/22 14:38	12/18/22 05:23 12/18/22 05:23	1 1 1 1 1 1 1 1 1 1

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001 o-Xylene

Matrix: Solid

Matrix: Solid

Client Sample Results

Client: Talon/LPE

Job ID: 890-3632-1 SDG: Rural County NM

Project/Site: TRAVIS BASSETT BIRNEY #001 **Client Sample ID: S-2** Lab Sample ID: 890-3632-5 Date Collected: 12/09/22 10:42 Date Received: 12/13/22 11:22 Sample Depth: 1 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 4.99 12/20/22 19:55 Chloride 1.05 J 0.394 mg/Kg **Client Sample ID: S-2** Lab Sample ID: 890-3632-6 Date Collected: 12/09/22 10:43 Date Received: 12/13/22 11:22 Sample Depth: 2 Method: SW846 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit D Prepared Analyzed <0.000726 U Benzene 0.000726 12/19/22 10:21 12/20/22 02:41 0.000990 mg/Kg Toluene <0.00189 U 0.00495 0.00189 12/19/22 10:21 12/20/22 02:41 mg/Kg 12/19/22 10:21 Ethylbenzene <0.000658 U 0.000990 0.000658 mg/Kg 12/20/22 02:41 m,p-Xylenes <0.000792 U 0.00198 0.000792 mg/Kg 12/19/22 10:21 12/20/22 02:41

Xylenes, Total	<0.000891 U	0.00198 0.00	0891 mg/Kg	12/19/22 10:21	12/20/22 02:41	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	56 - 150		12/19/22 10:21	12/20/22 02:41	1
4-Bromofluorobenzene (Surr)	103	68 - 152		12/19/22 10:21	12/20/22 02:41	1
Dibromofluoromethane (Surr)	101	53 - 142		12/19/22 10:21	12/20/22 02:41	1
Toluene-d8 (Surr)	101	70 - 130		12/19/22 10:21	12/20/22 02:41	1

0.000990

0.000891 mg/Kg

12/19/22 10:21

12/20/22 02:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

<0.000891 U

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000792	U	0.00198	0.000792	mg/Kg			12/20/22 16:20	1
Method: SW846 8015 NM - Diesel	Range Organi	ics (DRO) (C	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.5	J	50.0	15.0	mg/Kg			12/19/22 15:08	1
Method: SW846 8015B NM - Diese Analyte	• •	nics (DRO) Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.5	JB	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:44	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 05:44	1
Oll Range Organics (Over C28-C36)									

%Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 1-Chlorooctane 12/14/22 14:38 12/18/22 05:44 70 - 130 105 o-Terphenyl 110 70 - 130 12/14/22 14:38 12/18/22 05:44 Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.54	J	4.99	0.394	mg/Kg			12/20/22 13:30	1

Eurofins Carlsbad

Dil Fac

Dil Fac

1

1

1

1

1

1

5

1

1

Date Collected: 12/09/22 10:47 Date Received: 12/13/22 11:22

Sample Depth: 3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000737	U	0.00101	0.000737	mg/Kg		12/19/22 10:21	12/20/22 03:02	
Toluene	<0.00192	U	0.00503	0.00192	mg/Kg		12/19/22 10:21	12/20/22 03:02	
Ethylbenzene	<0.000669	U	0.00101	0.000669	mg/Kg		12/19/22 10:21	12/20/22 03:02	
m,p-Xylenes	<0.000805	U	0.00201	0.000805	mg/Kg		12/19/22 10:21	12/20/22 03:02	1
o-Xylene	<0.000905	U	0.00101	0.000905	mg/Kg		12/19/22 10:21	12/20/22 03:02	1
Xylenes, Total	<0.000905	U	0.00201	0.000905	mg/Kg		12/19/22 10:21	12/20/22 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		56 - 150				12/19/22 10:21	12/20/22 03:02	1
4-Bromofluorobenzene (Surr)	103		68 - 152				12/19/22 10:21	12/20/22 03:02	1
Dibromofluoromethane (Surr)	102		53 - 142				12/19/22 10:21	12/20/22 03:02	1
Toluene-d8 (Surr)	103		70 - 130				12/19/22 10:21	12/20/22 03:02	1
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000805	U	0.00201	0.000805	mg/Kg			12/20/22 16:20	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	31.1	J	49.9	15.0	mg/Kg			12/19/22 15:08	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.1	JB	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:06	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:06	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/14/22 14:38	12/18/22 06:06	1
o-Terphenyl	115		70 - 130				12/14/22 14:38	12/18/22 06:06	1
- Method: MCAWW 300.0 - Anions,	Ion Chromato	ography - So	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		4.95	0.391	mg/Kg			12/20/22 13:37	1
Client Sample ID: S-2							Lab San	nple ID: 890-	3632-8
Date Collected: 12/09/22 10:52									ix: Solid
ate Received: 12/13/22 11:22									

Sample De	pth: 4
-----------	--------

Method: SW846 8260D - Vo	latile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000739	U	0.00101	0.000739	mg/Kg		12/19/22 10:26	12/20/22 03:22	1
Toluene	<0.00193	U	0.00504	0.00193	mg/Kg		12/19/22 10:26	12/20/22 03:22	1
Ethylbenzene	<0.000670	U	0.00101	0.000670	mg/Kg		12/19/22 10:26	12/20/22 03:22	1
m,p-Xylenes	<0.000806	U	0.00202	0.000806	mg/Kg		12/19/22 10:26	12/20/22 03:22	1
o-Xylene	<0.000907	U	0.00101	0.000907	mg/Kg		12/19/22 10:26	12/20/22 03:22	1
Xylenes, Total	<0.000907	U	0.00202	0.000907	mg/Kg		12/19/22 10:26	12/20/22 03:22	1

Eurofins Carlsbad

Page 66 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-7

Matrix: Solid

5

Released to Imaging: 9/15/2023 2:48:50 PM

Client: Talon/LPE

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-8

Client Sample ID: S-2 Date Collected: 12/09/22 10:52 Date Received: 12/13/22 11:22 Sample Depth: 4

Project/Site: TRAVIS BASSETT BIRNEY #001

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		56 - 150				12/19/22 10:26	12/20/22 03:22	1
4-Bromofluorobenzene (Surr)	103		68 - 152				12/19/22 10:26	12/20/22 03:22	1
Dibromofluoromethane (Surr)	101		53 - 142				12/19/22 10:26	12/20/22 03:22	1
Toluene-d8 (Surr)	101		70 - 130				12/19/22 10:26	12/20/22 03:22	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000806	U	0.00202	0.000806	mg/Kg			12/20/22 16:20	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal TPH	18.1	1	50.0	15.0	mg/Kg			12/19/22 15:08	1
	10.1	5	50.0	10.0	ing/itg			12/10/22 10:00	
				10.0	iiig/itg			12,10,22 10.00	
Method: SW846 8015B NM - Dies	el Range Orga			MDL	0 0	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte	el Range Orga	inics (DRO)	(GC)		Unit	D	Prepared 12/14/22 14:38		Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	el Range Orga Result	unics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>	<u> </u>	Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	el Range Orga Result	unics (DRO) Qualifier J B	(GC)	MDL 15.0	Unit	<u>D</u>	<u> </u>	Analyzed	Dil Fac 1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Orga Result 18.1 <15.0	unics (DRO) Qualifier J B	(GC) <u>RL</u> 50.0 50.0	MDL 15.0 15.0	Unit mg/Kg mg/Kg	<u>D</u>	12/14/22 14:38 12/14/22 14:38	Analyzed 12/18/22 06:27 12/18/22 06:27	Dil Fac
Method: SW846 8015B NM - Dies Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Orga Result 18.1	unics (DRO) Qualifier J B	(GC) <u>RL</u> 50.0	MDL 15.0 15.0	Unit mg/Kg	<u>D</u>	12/14/22 14:38	Analyzed	<u>Dil Fac</u> 1 1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	el Range Orga Result 18.1 <15.0	Qualifier J B U	(GC) <u>RL</u> 50.0 50.0	MDL 15.0 15.0	Unit mg/Kg mg/Kg	<u>D</u>	12/14/22 14:38 12/14/22 14:38	Analyzed 12/18/22 06:27 12/18/22 06:27	Dil Fac 1 1 1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	eel Range Orga Result 18.1 <15.0 <15.0	Qualifier J B U	(GC) <u>RL</u> 50.0 50.0 50.0	MDL 15.0 15.0	Unit mg/Kg mg/Kg	<u>D</u>	12/14/22 14:38 12/14/22 14:38 12/14/22 14:38	Analyzed 12/18/22 06:27 12/18/22 06:27 12/18/22 06:27	1 1 1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.8	4.96	0.392	mg/Kg			12/20/22 13:45	1

Client Sample ID: S-3

Date Collected: 12/09/22 11:10 Date Received: 12/13/22 11:22

Lab Sample ID: 890-3632-9

Matrix: Solid

Sample Depth: SURFACE

Method: SW846 8260D - Volatile O	rganic Comp	ounds by G	C/MS		
Analyte	Result	Qualifier	RL	MDL	Unit

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000740	U	0.00101	0.000740	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
Toluene	<0.00193	U	0.00505	0.00193	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
Ethylbenzene	<0.000672	U	0.00101	0.000672	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
m,p-Xylenes	<0.000808	U	0.00202	0.000808	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
o-Xylene	<0.000909	U	0.00101	0.000909	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
Xylenes, Total	<0.000909	U	0.00202	0.000909	mg/Kg		12/19/22 10:26	12/20/22 03:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		56 - 150				12/19/22 10:26	12/20/22 03:43	1
4-Bromofluorobenzene (Surr)	99		68 - 152				12/19/22 10:26	12/20/22 03:43	1
Dibromofluoromethane (Surr)	105		53 - 142				12/19/22 10:26	12/20/22 03:43	1
Toluene-d8 (Surr)	100		70 - 130				12/19/22 10:26	12/20/22 03:43	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000808	U	0.00202	0.000808	mg/Kg			12/20/22 16:20	1

<0.000808	0 0.00	0202 0.000808	mg/Kg	12/20/22 16:20	1

Eurofins Carlsbad

Matrix: Solid

Released to Imaging: 9/15/2023 2:48:50 PM

Project/Site: TRAVIS BASSETT BIRNEY #001

Job ID: 890-3632-1 SDG: Rural County NM

Client Sample ID: S-3

Client: Talon/LPE

Date Collected: 12/09/22 11:10 Date Received: 12/13/22 11:22

Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.3	J	50.0	15.0	mg/Kg			12/19/22 15:08	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	21.3	JB	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:49	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 06:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/14/22 14:38	12/18/22 06:49	1
o-Terphenyl	109		70 - 130				12/14/22 14:38	12/18/22 06:49	1

Wethou. WCAWW JUU.U - Amons, It		grapity - St	Juble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.67	J	5.00	0.395	mg/Kg			12/20/22 16:04	1

Client Sample ID: S-4

Date Collected: 12/09/22 11:14 Date Received: 12/13/22 11:22 Sample Depth: SURFACE

Lab Sample ID: 890-3632-10 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000739	U	0.00101	0.000739	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
Toluene	<0.00193	U	0.00504	0.00193	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
Ethylbenzene	<0.000670	U	0.00101	0.000670	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
m,p-Xylenes	<0.000806	U	0.00202	0.000806	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
o-Xylene	<0.000907	U	0.00101	0.000907	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
Xylenes, Total	<0.000907	U	0.00202	0.000907	mg/Kg		12/19/22 10:26	12/20/22 04:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150				12/19/22 10:26	12/20/22 04:04	1
4-Bromofluorobenzene (Surr)	101		68 - 152				12/19/22 10:26	12/20/22 04:04	1
Dibromofluoromethane (Surr)	103		53 - 142				12/19/22 10:26	12/20/22 04:04	1
Toluene-d8 (Surr)	100		70 - 130				12/19/22 10:26	12/20/22 04:04	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000806	U	0.00202	0.000806	mg/Kg			12/20/22 16:20	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.1	J	50.0	15.0	mg/Kg			12/19/22 15:08	1
- Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	26.1	JB	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 07:12	1
(GRO)-C6-C10									

Eurofins Carlsbad

12/18/22 07:12

Diesel Range Organics (Over

C10-C28)

50.0

15.0 mg/Kg

12/14/22 14:38

<15.0 U

1

Client Sample Results

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Client Sample ID: S-4

Date Collected: 12/09/22 11:14 Date Received: 12/13/22 11:22

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		12/14/22 14:38	12/18/22 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/14/22 14:38	12/18/22 07:12	1
o-Terphenyl	102		70 - 130				12/14/22 14:38	12/18/22 07:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.35	4.98	0.393 mg/Kg			12/20/22 16:09	1
Client Sample ID: S-5					Lab San	nple ID: 890-3	632-11

Client Sample ID: S-5

Date Collected: 12/09/22 11:19 Date Received: 12/13/22 11:22 Sample Depth: SURFACE

Method: SW846 8260D - Volati	ile Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000740	U	0.00101	0.000740	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
Toluene	<0.00193	U	0.00505	0.00193	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
Ethylbenzene	<0.000672	U	0.00101	0.000672	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
m,p-Xylenes	<0.000808	U	0.00202	0.000808	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
o-Xylene	<0.000909	U	0.00101	0.000909	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
Xylenes, Total	<0.000909	U	0.00202	0.000909	mg/Kg		12/19/22 10:26	12/20/22 04:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 _ 150				12/19/22 10:26	12/20/22 04:24	1
4-Bromofluorobenzene (Surr)	107		68 - 152				12/19/22 10:26	12/20/22 04:24	1
Dibromofluoromethane (Surr)	107		53 _ 142				12/19/22 10:26	12/20/22 04:24	1
Toluene-d8 (Surr)	103		70 _ 130				12/19/22 10:26	12/20/22 04:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.000808	U	0.00202	0.000808	mg/Kg			12/20/22 16:18	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27.6	J	49.9	15.0	mg/Kg			12/19/22 15:08	1
Gasoline Range Organics	27.6	JB	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 07:34	1
Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 07:34	1
C10-C28)					0 0				
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		12/14/22 14:38	12/18/22 07:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
			70 - 130				12/14/22 14:38	12/18/22 07:34	1
1-Chlorooctane	111		70 - 130				12/14/22 14.30	12/10/22 01.34	1

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

5

3

Job ID: 890-3632-1

SDG: Rural County NM

Lab Sample ID: 890-3632-10

		Client	Sample R	lesults	5					
Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNI	EY #001							Job ID: 890 SDG: Rural Cou		2
Client Sample ID: S-5 Date Collected: 12/09/22 11:19							Lab San	nple ID: 890-3 Matri	632-11 ix: Solid	
Date Received: 12/13/22 11:22 Sample Depth: SURFACE										
Method: MCAWW 300.0 - Anions, Ic Analyte		ography - Solu Qualifier	uble RL	мы	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	2.80		4.96		mg/Kg			12/20/22 16:13	1	
										8
										9
										13

Eurofins Carlsbad

Method: 8260D - Volatile Organic Compounds by GC/MS Matrix: Solid

-				Percent Su	rogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
890-3632-1	S-1	100	84	94	92
890-3632-2	S-1	104	103	103	101
890-3632-3	S-1	106	103	101	101
890-3632-4	S-2	106	103	105	100
890-3632-5	S-2	110	103	103	101
890-3632-6	S-2	105	103	101	101
890-3632-7	S-2	106	103	102	103
890-3632-8	S-2	112	103	101	101
890-3632-9	S-3	109	99	105	100
890-3632-10	S-4	107	101	103	100
890-3632-11	S-5	107	107	107	103
LCS 860-82574/3	Lab Control Sample	105	95	107	104
LCS 860-82575/3	Lab Control Sample	105	95	107	104
LCS 860-82578/3	Lab Control Sample	108	101	107	100
LCSD 860-82574/4	Lab Control Sample Dup	99	99	109	98
LCSD 860-82575/4	Lab Control Sample Dup	99	99	109	98
LCSD 860-82578/4	Lab Control Sample Dup	105	98	107	101
MB 860-82574/7	Method Blank	88	91	95	79
MB 860-82575/7	Method Blank	88	91	95	79
MB 860-82578/7	Method Blank	108	99	102	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 890-3632-1 S-1 106 111 890-3632-2 S-1 110 112 890-3632-3 S-1 121 121 S-2 890-3632-4 120 117 890-3632-5 S-2 101 103 890-3632-6 S-2 105 110 890-3632-7 S-2 115 115 S-2 890-3632-8 103 102 S-3 109 890-3632-9 107 890-3632-10 S-4 101 102 890-3632-11 S-5 111 109 LCS 880-41841/2-A Lab Control Sample 124 112 LCSD 880-41841/3-A 116 Lab Control Sample Dup 120 MB 880-41841/1-A Method Blank 115 121 Surrogate Legend 1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Carlsbad

Prep Type: Total/NA

Page 71 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Prep Type: Total/NA

Lab Sample ID: MB 860-82574/7

Matrix: Solid

Analyte

Benzene

Toluene

Ethylbenzene

m,p-Xylenes

Xylenes, Total

o-Xylene

Surrogate

Analysis Batch: 82574

1,2-Dichloroethane-d4 (Surr)

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Analysis Batch: 82574

Lab Sample ID: LCS 860-82574/3

Toluene-d8 (Surr)

Matrix: Solid

QC Sample Results

RL

0.00100

0.00500

0.00100

0.00200

0.00100

0.00200

Limits

56 - 150

68 - 152

53 - 142

70 - 130

MDL Unit

0.000733 mg/Kg

0.00191 mg/Kg

0.000665 mg/Kg

0.000800 mg/Kg

0.000900 mg/Kg

0.000900 mg/Kg

D

Prepared

Prepared

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Method: 8260D - Volatile Organic Compounds by GC/MS

MB MB

<0.000733 U

<0.00191 U

<0.000665 U

<0.000800 U

<0.000900 U

<0.000900 U

%Recovery

MB MB Qualifier

88

91

95

79

Result Qualifier

o-xylene		

	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
1,2-Dichloroethane-d4 (Surr)	99		56 - 150	
4-Bromofluorobenzene (Surr)	99		68 - 152	
Dibromofluoromethane (Surr)	109		53 - 142	
Toluene-d8 (Surr)	98		70 - 130	

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

Client Sample ID: Lab Control Sample Dup

Job ID: 890-3632-1 SDG: Rural County NM

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

Analyzed

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

Analyzed

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

12/20/22 01:19

Dil Fac

1

1

1

1

1

1

1

1

1

1

Dil Fac

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.0500	0.04948		mg/Kg		99	66 - 142
Toluene	0.0500	0.04918		mg/Kg		98	74 - 130
Ethylbenzene	0.0500	0.05460		mg/Kg		109	80 - 130
m,p-Xylenes	0.0500	0.05107		mg/Kg		102	78 - 130
o-Xylene	0.0500	0.05322		mg/Kg		106	79 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			56 - 150
4-Bromofluorobenzene (Surr)	95		68 - 152
Dibromofluoromethane (Surr)	107		53 - 142
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 860-82574/4 Matrix: Solid Analysis Batch: 82574

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit D Benzene 0.0500 0.04424 88 66 - 142 11 25 mg/Kg 0.0500 74 - 130 Toluene 0.04682 mg/Kg 94 5 25 0.05190 Ethylbenzene 0.0500 mg/Kg 104 80 - 130 5 25 m,p-Xylenes 0.0500 0.05119 mg/Kg 102 78 - 130 0 25 V.4 0.0500 0.04893 mg/Kg 98 79 - 130 8 25

Eurofins Carlsbad

Prep Type: Total/NA
QC Sample Results

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Job ID: 890-3632-1 SDG: Rural County NM

Page 73 of 127

2 3 4 5 6 7 8 9 10 11

Lab Sample ID: MB 860-82575/7

Matrix: Solid Analysis Batch: 82575

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

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000733	U	0.00100	0.000733	mg/Kg			12/20/22 01:19	1
Toluene	<0.00191	U	0.00500	0.00191	mg/Kg			12/20/22 01:19	1
Ethylbenzene	<0.000665	U	0.00100	0.000665	mg/Kg			12/20/22 01:19	1
m,p-Xylenes	<0.000800	U	0.00200	0.000800	mg/Kg			12/20/22 01:19	1
o-Xylene	<0.000900	U	0.00100	0.000900	mg/Kg			12/20/22 01:19	1
Xylenes, Total	<0.000900	U	0.00200	0.000900	mg/Kg			12/20/22 01:19	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		56 _ 150			-		12/20/22 01:19	1
4-Bromofluorobenzene (Surr)	91		68 - 152					12/20/22 01:19	1
Dibromofluoromethane (Surr)	95		53 - 142					12/20/22 01:19	1
Toluene-d8 (Surr)	79		70 - 130					12/20/22 01:19	1

Lab Sample ID: LCS 860-82575/3 Matrix: Solid Analysis Batch: 82575

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04948		mg/Kg		99	66 - 142	
Toluene	0.0500	0.04918		mg/Kg		98	74 - 130	
Ethylbenzene	0.0500	0.05460		mg/Kg		109	80 - 130	
m,p-Xylenes	0.0500	0.05107		mg/Kg		102	78 - 130	
o-Xylene	0.0500	0.05322		mg/Kg		106	79 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			56 - 150
4-Bromofluorobenzene (Surr)	95		68 - 152
Dibromofluoromethane (Surr)	107		53 - 142
Toluene-d8 (Surr)	104		70 - 130

109

98

Lab Sample ID: LCSD 860-82575/4 Matrix: Solid

Analysis Batch: 82575

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.0500	0.04424		mg/Kg		88	66 - 142	11	25
Toluene			0.0500	0.04682		mg/Kg		94	74 - 130	5	25
Ethylbenzene			0.0500	0.05190		mg/Kg		104	80 - 130	5	25
m,p-Xylenes			0.0500	0.05119		mg/Kg		102	78 - 130	0	25
o-Xylene			0.0500	0.04893		mg/Kg		98	79 - 130	8	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	99		56 - 150								
4-Bromofluorobenzene (Surr)	99		68 - 152								

53 - 142

70 - 130

QC Sample Results

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Job ID: 890-3632-1 SDG: Rural County NM

5 7

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

Lab Sample ID: MB 860-82578/7 Matrix: Solid Analysis Batch: 82578

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000733	U	0.00100	0.000733	mg/Kg			12/20/22 00:18	1
Toluene	<0.00191	U	0.00500	0.00191	mg/Kg			12/20/22 00:18	1
Ethylbenzene	<0.000665	U	0.00100	0.000665	mg/Kg			12/20/22 00:18	1
m,p-Xylenes	<0.000800	U	0.00200	0.000800	mg/Kg			12/20/22 00:18	1
o-Xylene	<0.000900	U	0.00100	0.000900	mg/Kg			12/20/22 00:18	1
Xylenes, Total	<0.000900	U	0.00200	0.000900	mg/Kg			12/20/22 00:18	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		56 - 150			-		12/20/22 00:18	1
4-Bromofluorobenzene (Surr)	99		68 - 152					12/20/22 00:18	1
Dibromofluoromethane (Surr)	102		53 - 142					12/20/22 00:18	1
Toluene-d8 (Surr)	100		70 - 130					12/20/22 00:18	1

Lab Sample ID: LCS 860-82578/3 Matrix: Solid Analysis Batch: 82578

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04783		mg/Kg		96	66 - 142	
Toluene	0.0500	0.05066		mg/Kg		101	74 - 130	
Ethylbenzene	0.0500	0.05095		mg/Kg		102	80 - 130	
m,p-Xylenes	0.0500	0.05139		mg/Kg		103	78 - 130	
o-Xylene	0.0500	0.05226		mg/Kg		105	79 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)			56 - 150
4-Bromofluorobenzene (Surr)	101		68 - 152
Dibromofluoromethane (Surr)	107		53 - 142
Toluene-d8 (Surr)	100		70 - 130

107

101

Lab Sample ID: LCSD 860-82578/4 Matrix: Solid

Analysis Batch: 82578

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.0500	0.04472		mg/Kg		89	66 - 142	7	25
Toluene			0.0500	0.04732		mg/Kg		95	74 - 130	7	25
Ethylbenzene			0.0500	0.04838		mg/Kg		97	80 - 130	5	25
m,p-Xylenes			0.0500	0.04793		mg/Kg		96	78 - 130	7	25
o-Xylene			0.0500	0.04923		mg/Kg		98	79 _ 130	6	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	105		56 - 150								
4-Bromofluorobenzene (Surr)	98		68 _ 152								

53 - 142

70 - 130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

QC Sample Results

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

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

Lab Sample ID: MB 880-41841/	'1-A									Client Sa	ample ID: N	lethoo	l Blan
Matrix: Solid											Prep Ty	vpe: To	otal/N/
Analysis Batch: 42076											Prep	Batch	: 4184
	M	IB MB											
Analyte	Resu	ult Qualifier	RL		MDL	Unit		D	Р	repared	Analyze	d	Dil Fa
Gasoline Range Organics	23.7	76 J	50.0		15.0	mg/Kg		_	12/1	4/22 14:38	12/17/22 2	2:54	
GRO)-C6-C10													
Diesel Range Organics (Over	16.8	35 J	50.0		15.0	mg/Kg			12/1	4/22 14:38	12/17/22 2	2:54	
C10-C28) Oll Range Organics (Over C28-C36)	~15	.0 U	50.0		15.0	mg/Kg			12/1	4/22 14:38	12/17/22 2	2.51	
Sin Range Organics (Over 626-630)	<13	.0 0	50.0		15.0	mg/rty			12/1	4/22 14.30	12/11/22 2	2.04	
	N	IB MB											
Surrogate	%Recove	ry Qualifier	Limits						P	repared	Analyze	d	Dil Fa
1-Chlorooctane	1:	15	70 - 130						12/1	4/22 14:38	12/17/22 2	2:54	
p-Terphenyl	12	21	70 - 130						12/1	4/22 14:38	12/17/22 2	2:54	
ch Comple ID: 1 CC 000 44044								~	liant	Comula			
∟ab Sample ID: LCS 880-41841 Matrix: Solid	1/ 2- A							U	nem	Sample	ID: Lab Co		
											Prep Ty	-	
Analysis Batch: 42076			Calles	1.00	LCS						Prep	Batch	4104
A web de			Spike				11		-	9/ Dee	%Rec		
Analyte			Added	Result	Qua	Inter	Unit			%Rec	Limits		
Gasoline Range Organics GRO)-C6-C10			1000	1190			mg/Kg			119	70 - 130		
Diesel Range Organics (Over			1000	1036			mg/Kg			104	70 - 130		
C10-C28)													
	LCS L	cs											
Surrogate		ualifier	Limits										
-Chlorooctane	112		70 - 130										
p-Terphenyl	124		70 - 130										
ch Comula ID: I CCD 000 440	44/2 4						0		C		ah Cantral	C	
₋ab Sample ID: LCSD 880-418∉ Matrix: Solid	41/ 3- A						CI	ient	San		ab Control	-	
											Prep Ty		
Analysis Batch: 42076			Spike	LCSD	1.00	_					Prep %Rec	Batch	8104 RP
analuta			Added				Unit		D	% Bee	Limits	RPD	
Analyte			1000	Result 1158	Qua	Inter				%Rec	70 - 130	3	Lim
Gasoline Range Organics GRO)-C6-C10			1000	1156			mg/Kg			110	70 - 130	3	2
Diesel Range Organics (Over			1000	967.1			mg/Kg			97	70 - 130	7	2
C10-C28)												-	_
	LCSD L	CSD											
Surrogate		ualifier	Limits										
I-Chlorooctane	120		70 - 130										
p-Terphenyl	116		70 - 130										
			101100										
ethod: 300.0 - Anions, Io	n Chromatog	graphy											
.ab Sample ID: MB 880-41906/	′ 1 -Δ									Client Sa	ample ID: N	lethor	Blan
Matrix: Solid	174									Sherit 3	Prep T		
											Pieh I	ype. a	
Analysis Batch: 42175	N	IB MB											
Analyta			51		MD	110:4		•	-	ronored	A	4	DH F-
Analyte	Kesi	ult Qualifier			NUL	Unit		D	۲	repared	Analyze	u	Dil Fa

Job ID: 890-3632-1 SDG: Rural County NM

Eurofins Carlsbad

12/20/22 09:53

Chloride

5.00

0.395 mg/Kg

<0.395 U

Project/Site: TRAVIS BASSETT BIRNEY #001

Client: Talon/LPE

Job ID: 890-3632-1 SDG: Rural County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-41906/2-A								Clie	ent	Sample	ID: Lab C		-
Matrix: Solid											Prep	Type: S	soluble
Analysis Batch: 42175													
			Spike			LCS					%Rec		
Analyte			Added			Qualifier	Unit		<u>D</u>	%Rec	Limits		
Chloride			250		260.6		mg/Kg			104	90 - 110		
Lab Sample ID: LCSD 880-41906/3-A Matrix: Solid							Cl	ent S	am	ple ID: I	Lab Contro	ol Samp Type: S	
Analysis Batch: 42175											Fieh	Type. c	Joiubi
			Spike		LCSD	LCSD					%Rec		RPI
Analyte			Added			Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride			250		259.4		mg/Kg		_	104	90 - 110	0	2
Lab Sample ID: MB 880-41927/1-A										Client S	ample ID:		
Matrix: Solid											Prep	Type: S	soluble
Analysis Batch: 42177													
		MB						_	_	_			
Analyte		Qualifier		RL		MDL Unit		D	Pi	repared	Analyz		Dil Fa
Chloride	<0.395	U		5.00	().395 mg/K	g				12/20/22	15:33	
Lab Sample ID: LCS 880-41927/2-A								Clie	ent	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid												Type: S	
Analysis Batch: 42177													
-			Spike		LCS	LCS					%Rec		
A 1.7			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Analyte													
			250		230.8		mg/Kg		_	92	90 - 110		
Analyte			250		230.8				_				_
			250		230.8			ent S	am		Lab Contro	ol Samp Type: S	
Chloride Lab Sample ID: LCSD 880-41927/3-A								ent S	am		Lab Contro Prep		Solubl
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177			Spike		LCSD	LCSD	Cli	ent S		ple ID: I	Lab Contro Prep %Rec	Type: S	Solubl RPI
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte			Spike Added		LCSD Result	LCSD Qualifier	Cli	ent S	am D	ple ID: I	Lab Contro Prep %Rec Limits	Type: S	RPI Limi
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177			Spike		LCSD		Cli	ent S		ple ID: I	Lab Contro Prep %Rec	Type: S	RPI Limi
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride			Spike Added		LCSD Result		Cli	ent S	<u>D</u>	ple ID: I <u>%Rec</u> 92	Lab Contro Prep %Rec Limits 90 - 110	Type: S RPD 0	RPI Limi
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A			Spike Added		LCSD Result		Cli	ent S	<u>D</u>	ple ID: I %Rec 92	Lab Contro Prep %Rec Limits 90 - 110 Gample ID:	Type: S <u>RPD</u> 0 Method	RPI Lim 2 I Blan
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid			Spike Added		LCSD Result		Cli	ent S	<u>D</u>	ple ID: I %Rec 92	Lab Contro Prep %Rec Limits 90 - 110 Gample ID:	Type: S RPD 0	RPI Limi 20
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid	 		Spike Added		LCSD Result		Cli	ent S	<u>D</u>	ple ID: I %Rec 92	Lab Contro Prep %Rec Limits 90 - 110 Gample ID:	Type: S <u>RPD</u> 0 Method	RPI Limi 20
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178		MB Qualifier	Spike Added	RL	LCSD Result		Cli	ent S	<u>D</u>	ple ID: I %Rec 92	Lab Contro Prep %Rec Limits 90 - 110 Gample ID:	Type: S <u>RPD</u> 0 Method Type: S	RPI Limi 2 I Blani Soluble
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte		Qualifier	Spike Added		LCSD Result 231.1	Qualifier	Cli <u>Unit</u> mg/Kg		<u>D</u>	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep	Type: S <u>RPD</u> 0 Method Type: S red	RPI Limi 20 I Blank Soluble Dil Fac
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride	Result	Qualifier	Spike Added		LCSD Result 231.1	Qualifier MDL Unit	Cli <u>Unit</u> mg/Kg		D Pi	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22	Type: S <u>RPD</u> 0 Method Type: S red 16:18	RPI Limi 2' I Blanl Soluble Dil Fa
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A	Result	Qualifier	Spike Added		LCSD Result 231.1	Qualifier MDL Unit	Cli <u>Unit</u> mg/Kg		D Pi	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 12/20/22	Type: S <u>RPD</u> 0 Method Type: S red 16:18 - ontrol S	RPI Limi 2 I Blani Soluble Dil Fa
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid	Result	Qualifier	Spike Added		LCSD Result 231.1	Qualifier MDL Unit	Cli <u>Unit</u> mg/Kg		D Pi	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 12/20/22	Type: S <u>RPD</u> 0 Method Type: S red 16:18	RPE Limi 20 I Blank Soluble Dil Fac
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid	Result	Qualifier	Spike Added 250		LCSD Result 231.1	Qualifier MDL Unit	Cli <u>Unit</u> mg/Kg		D Pi	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 12/20/22 FID: Lab Co Prep	Type: S <u>RPD</u> 0 Method Type: S red 16:18 - ontrol S	RPI Limi 20 I Blani Soluble Dil Fa
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178	Result	Qualifier	Spike Added 250		LCSD Result 231.1	Qualifier MDL Unit 0.395 mg/k	Cli _ <u>Unit</u> mg/Kg		D Pr	%Rec 92 Client S repared Sample	Lab Contro Prep %Rec Limits 90 - 110 cample ID: Prep Analyz 12/20/22 b ID: Lab Co Prep %Rec	Type: S <u>RPD</u> 0 Method Type: S red 16:18 - ontrol S	RPE Limi 20 I Blank Soluble Dil Fac
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Analysis Batch: 42178	Result	Qualifier	Spike Added 250		LCSD Result 231.1	Qualifier MDL Unit	Cli <u>Unit</u> mg/Kg		D Pi	%Rec 92 Client S	Lab Contro Prep %Rec Limits 90 - 110 Sample ID: Prep Analyz 12/20/22 FID: Lab Co Prep	Type: S <u>RPD</u> 0 Method Type: S red 16:18 - ontrol S	RPI Limi 20 I Blani Soluble Dil Fa
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Chloride	Result	Qualifier	Spike Added 250 Spike Added		LCSD Result 231.1	Qualifier MDL Unit 0.395 mg/k	Cli mg/Kg	D Clia	D Pr ent	%Rec 92 Client S repared Sample %Rec 97	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22 ID: Lab Co Prep %Rec Limits 90 - 110	Type: S <u>RPD</u> 0 Method Type: S 222 16:18 Ontrol S Type: S	Soluble RPI Limi 2 I Blanl Soluble Dil Fa Sample
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCSD 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCSD 880-41928/3-A	Result	Qualifier	Spike Added 250 Spike Added		LCSD Result 231.1	Qualifier MDL Unit 0.395 mg/k	Cli mg/Kg	D Clia	D Pr ent	%Rec 92 Client S repared Sample %Rec 97	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22 FID: Lab Co Prep %Rec Limits 90 - 110	Type: S RPD 0 Method Type: S red 16:18 Type: S ontrol S Type: S ol Samp	Soluble RPI Limi 2 I Blanl Soluble Dil Fa Sample Soluble
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCSD 880-41928/3-A Matrix: Solid	Result	Qualifier	Spike Added 250 Spike Added		LCSD Result 231.1	Qualifier MDL Unit 0.395 mg/k	Cli mg/Kg	D Clia	D Pr ent	%Rec 92 Client S repared Sample %Rec 97	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22 FID: Lab Co Prep %Rec Limits 90 - 110	Type: S <u>RPD</u> 0 Method Type: S 222 16:18 Ontrol S Type: S	Soluble RPI Limi 20 I Blani Soluble Dil Fa Soluble Soluble
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCS 880-41928/2-A Matrix: Solid Analysis Batch: 42178 Analyte Chloride Lab Sample ID: LCSD 880-41928/3-A Matrix: Solid	Result	Qualifier	Spike Added 250 Spike Added 250		LCSD Result 231.1	Qualifier MDL Unit 0.395 mg/K LCS Qualifier	Cli mg/Kg	D Clia	D Pr ent	%Rec 92 Client S repared Sample %Rec 97	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22 DID: Lab Co Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S RPD 0 Method Type: S red 16:18 Type: S ontrol S Type: S ol Samp	Soluble RPE Limi 20 I Blank Soluble Dil Fac Dil Fac Soluble Soluble
Chloride Lab Sample ID: LCSD 880-41927/3-A Matrix: Solid Analysis Batch: 42177 Analyte Chloride Lab Sample ID: MB 880-41928/1-A Matrix: Solid	Result	Qualifier	Spike Added 250 Spike Added		LCSD Result 231.1 LCS Result 241.3	Qualifier MDL Unit 0.395 mg/k	Cli mg/Kg	D Clia	D Pr ent	%Rec 92 Client S repared Sample %Rec 97	Lab Contro Prep %Rec Limits 90 - 110 Gample ID: Prep Analyz 12/20/22 FID: Lab Co Prep %Rec Limits 90 - 110	Type: S RPD 0 Method Type: S red 16:18 Type: S ontrol S Type: S ol Samp	Soluble RPD Limit 20 I Blank Soluble Dil Fac 1 Sample Soluble

Eurofins Carlsbad

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Job ID: 890-3632-1 SDG: Rural County NM

GC/MS VOA

Prep Batch: 82490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Total/NA	Solid	5035	
890-3632-2	S-1	Total/NA	Solid	5035	
890-3632-3	S-1	Total/NA	Solid	5035	
890-3632-6	S-2	Total/NA	Solid	5035	
890-3632-7	S-2	Total/NA	Solid	5035	
890-3632-8	S-2	Total/NA	Solid	5035	
890-3632-9	S-3	Total/NA	Solid	5035	
890-3632-10	S-4	Total/NA	Solid	5035	
390-3632-11	S-5	Total/NA	Solid	5035	

Prep Batch: 82546

890-3632-9	S-3	Total/NA	Solid	5035		_
890-3632-10	S-4	Total/NA	Solid	5035		8
890-3632-11	S-5	Total/NA	Solid	5035		
Prep Batch: 82546						9
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	10
890-3632-4	S-2	Total/NA	Solid	5035		
890-3632-5	S-2	Total/NA	Solid	5035		11
Analysis Batch: 8257	'4					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	12
MB 860-82574/7	Method Blank	Total/NA	Solid	8260D		40
LCS 860-82574/3	Lab Control Sample	Total/NA	Solid	8260D		13
LCSD 860-82574/4	Lab Control Sample Dup	Total/NA	Solid	8260D		
_						14

Analysis Batch: 82574

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 860-82574/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-82574/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-82574/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 82575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Total/NA	Solid	8260D	82490
MB 860-82575/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-82575/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-82575/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 82578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-2	S-1	Total/NA	Solid	8260D	82490
890-3632-3	S-1	Total/NA	Solid	8260D	82490
890-3632-4	S-2	Total/NA	Solid	8260D	82546
890-3632-5	S-2	Total/NA	Solid	8260D	82546
890-3632-6	S-2	Total/NA	Solid	8260D	82490
890-3632-7	S-2	Total/NA	Solid	8260D	82490
890-3632-8	S-2	Total/NA	Solid	8260D	82490
890-3632-9	S-3	Total/NA	Solid	8260D	82490
890-3632-10	S-4	Total/NA	Solid	8260D	82490
890-3632-11	S-5	Total/NA	Solid	8260D	82490
MB 860-82578/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-82578/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-82578/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 82846

Lab Sample ID 890-3632-1	Client Sample ID S-1	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
890-3632-2	S-1	Total/NA	Solid	Total BTEX	
890-3632-3	S-1	Total/NA	Solid	Total BTEX	
890-3632-4	S-2	Total/NA	Solid	Total BTEX	
890-3632-5	S-2	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

GC/MS VOA (Continued)

Analysis Batch: 82846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-6	S-2	Total/NA	Solid	Total BTEX	
890-3632-7	S-2	Total/NA	Solid	Total BTEX	
890-3632-8	S-2	Total/NA	Solid	Total BTEX	
890-3632-9	S-3	Total/NA	Solid	Total BTEX	
890-3632-10	S-4	Total/NA	Solid	Total BTEX	
890-3632-11	S-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 41841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Total/NA	Solid	8015NM Prep	
890-3632-2	S-1	Total/NA	Solid	8015NM Prep	
890-3632-3	S-1	Total/NA	Solid	8015NM Prep	
890-3632-4	S-2	Total/NA	Solid	8015NM Prep	
890-3632-5	S-2	Total/NA	Solid	8015NM Prep	
890-3632-6	S-2	Total/NA	Solid	8015NM Prep	
890-3632-7	S-2	Total/NA	Solid	8015NM Prep	
890-3632-8	S-2	Total/NA	Solid	8015NM Prep	
890-3632-9	S-3	Total/NA	Solid	8015NM Prep	
890-3632-10	S-4	Total/NA	Solid	8015NM Prep	
890-3632-11	S-5	Total/NA	Solid	8015NM Prep	
MB 880-41841/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41841/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41841/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Total/NA	Solid	8015B NM	41841
890-3632-2	S-1	Total/NA	Solid	8015B NM	41841
890-3632-3	S-1	Total/NA	Solid	8015B NM	41841
890-3632-4	S-2	Total/NA	Solid	8015B NM	41841
890-3632-5	S-2	Total/NA	Solid	8015B NM	41841
890-3632-6	S-2	Total/NA	Solid	8015B NM	41841
890-3632-7	S-2	Total/NA	Solid	8015B NM	41841
890-3632-8	S-2	Total/NA	Solid	8015B NM	41841
890-3632-9	S-3	Total/NA	Solid	8015B NM	41841
890-3632-10	S-4	Total/NA	Solid	8015B NM	41841
890-3632-11	S-5	Total/NA	Solid	8015B NM	41841
MB 880-41841/1-A	Method Blank	Total/NA	Solid	8015B NM	41841
LCS 880-41841/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41841
LCSD 880-41841/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41841

Analysis Batch: 42201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Total/NA	Solid	8015 NM	
890-3632-2	S-1	Total/NA	Solid	8015 NM	
890-3632-3	S-1	Total/NA	Solid	8015 NM	
890-3632-4	S-2	Total/NA	Solid	8015 NM	
890-3632-5	S-2	Total/NA	Solid	8015 NM	
890-3632-6	S-2	Total/NA	Solid	8015 NM	

Job ID: 890-3632-1 SDG: Rural County NM

Eurofins Carlsbad

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

GC Semi VOA (Continued)

Analysis Batch: 42201 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3632-7	S-2	Total/NA	Solid	8015 NM	
890-3632-8	S-2	Total/NA	Solid	8015 NM	
890-3632-9	S-3	Total/NA	Solid	8015 NM	
890-3632-10	S-4	Total/NA	Solid	8015 NM	
890-3632-11	S-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 41906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3632-6	S-2	Soluble	Solid	DI Leach		
890-3632-7	S-2	Soluble	Solid	DI Leach		
890-3632-8	S-2	Soluble	Solid	DI Leach		
MB 880-41906/1-A	Method Blank	Soluble	Solid	DI Leach		
LCS 880-41906/2-A	Lab Control Sample	Soluble	Solid	DI Leach		
LCSD 880-41906/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		

Leach Batch: 41927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-9	S-3	Soluble	Solid	DI Leach	
890-3632-10	S-4	Soluble	Solid	DI Leach	
890-3632-11	S-5	Soluble	Solid	DI Leach	
MB 880-41927/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41927/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41927/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 41928

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3632-1	S-1	Soluble	Solid	DI Leach	
890-3632-2	S-1	Soluble	Solid	DI Leach	
890-3632-3	S-1	Soluble	Solid	DI Leach	
890-3632-4	S-2	Soluble	Solid	DI Leach	
890-3632-5	S-2	Soluble	Solid	DI Leach	
MB 880-41928/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41928/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41928/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 42175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-6	S-2	Soluble	Solid	300.0	41906
890-3632-7	S-2	Soluble	Solid	300.0	41906
890-3632-8	S-2	Soluble	Solid	300.0	41906
MB 880-41906/1-A	Method Blank	Soluble	Solid	300.0	41906
LCS 880-41906/2-A	Lab Control Sample	Soluble	Solid	300.0	41906
LCSD 880-41906/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41906

Analysis Batch: 42177

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3632-9	S-3	Soluble	Solid	300.0	41927
890-3632-10	S-4	Soluble	Solid	300.0	41927
890-3632-11	S-5	Soluble	Solid	300.0	41927

Eurofins Carlsbad

Page 79 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

HPLC/IC (Continued)

Analysis Batch: 42177 (Continued)

Lab Sample ID MB 880-41927/1-A	Client Sample ID Method Blank	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 41927
LCS 880-41927/2-A	Lab Control Sample	Soluble	Solid	300.0	41927
LCSD 880-41927/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41927

Analysis Batch: 42178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3632-1	S-1	Soluble	Solid	300.0	41928
890-3632-2	S-1	Soluble	Solid	300.0	41928
890-3632-3	S-1	Soluble	Solid	300.0	41928
890-3632-4	S-2	Soluble	Solid	300.0	41928
890-3632-5	S-2	Soluble	Solid	300.0	41928
MB 880-41928/1-A	Method Blank	Soluble	Solid	300.0	41928
LCS 880-41928/2-A	Lab Control Sample	Soluble	Solid	300.0	41928
LCSD 880-41928/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41928

5 6 7

Job ID: 890-3632-1 SDG: Rural County NM

Eurofins Carlsbad

Project/Site: TRAVIS BASSETT BIRNEY #001

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-1 Matrix: Solid

Lab Sample ID: 890-3632-3

Lab Sample ID: 890-3632-4

Matrix: Solid

Date Collected: 12/09/22 09:34 Date Received: 12/13/22 11:22

Client Sample ID: S-1

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82490	12/19/22 10:21	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82575	12/20/22 09:31	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:18	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 03:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41928	12/15/22 14:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42178	12/20/22 19:24	СН	EET MID

Client Sample ID: S-1

Date Collected: 12/09/22 09:48

Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	82490	12/19/22 10:21	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 01:19	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:18	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 03:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	41928	12/15/22 14:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42178	12/20/22 19:32	СН	EET MID

Client Sample ID: S-1

Date Collected: 12/09/22 09:52 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	82490	12/19/22 10:21	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 01:40	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 04:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	41928	12/15/22 14:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42178	12/20/22 19:40	СН	EET MID

Client Sample ID: S-2 Date Collected: 12/09/22 10:01 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	82546	12/19/22 13:32	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 02:00	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU

Eurofins Carlsbad

Page 81 of 127

Lab Sample ID: 890-3632-2

Matrix: Solid

9

5

Matrix: Solid

Project/Site: TRAVIS BASSETT BIRNEY #001

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-4 Matrix: Solid

Lab Sample ID: 890-3632-5

Date Collected: 12/09/22 10:01 Date Received: 12/13/22 11:22

Client Sample ID: S-2

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 05:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	41928	12/15/22 14:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42178	12/20/22 19:47	СН	EET MID

Client Sample ID: S-2 Date Collected: 12/09/22 10:42

Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	82546	12/19/22 13:32	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 02:21	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 05:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41928	12/15/22 14:20	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42178	12/20/22 19:55	СН	EET MID

Client Sample ID: S-2

Date Collected: 12/09/22 10:43 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	82490	12/19/22 10:21	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 02:41	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 05:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	41906	12/15/22 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42175	12/20/22 13:30	CH	EET MID

Client Sample ID: S-2 Date Collected: 12/09/22 10:47 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	82490	12/19/22 10:21	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 03:02	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 06:06	SM	EET MID

Eurofins Carlsbad

 890-3632-4
 3

 Matrix: Solid
 4

 _
 4

 _
 5

 EET MID
 6

 EET MID
 6

 EET MID
 7

 EET MID
 7

 EET MID
 8

 890-3632-5
 8

 Matrix: Solid
 9

Lab Sample ID: 890-3632-6

Matrix: Solid

Lab Sample ID: 890-3632-7 Matrix: Solid

Lab Chronicle

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Client Sample ID: S-2

Date Collected: 12/09/22 10:47 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	41906	12/15/22 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42175	12/20/22 13:37	СН	EET MID

Client Sample ID: S-2

Date Collected: 12/09/22 10:52 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	82490	12/19/22 10:26	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 03:22	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 06:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41906	12/15/22 11:02	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42175	12/20/22 13:45	CH	EET MID

Client Sample ID: S-3 Date Collected: 12/09/22 11:10 Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82490	12/19/22 10:26	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 03:43	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 06:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	41927	12/15/22 14:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42177	12/20/22 16:04	СН	EET MID

Client Sample ID: S-4 Date Collected: 12/09/22 11:14

Lab Sample ID: 890-3632-10 Matrix: Solid

Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	82490	12/19/22 10:26	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 04:04	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:20	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 07:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	41927	12/15/22 14:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42177	12/20/22 16:09	СН	EET MID

Eurofins Carlsbad

Page 83 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-7

Lab Sample ID: 890-3632-8

Lab Sample ID: 890-3632-9

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Received: 12/13/22 11:22

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	82490	12/19/22 10:26	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	82578	12/20/22 04:24	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			82846	12/20/22 16:18	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			42201	12/19/22 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41841	12/14/22 14:38	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42076	12/18/22 07:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	41927	12/15/22 14:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	42177	12/20/22 16:13	СН	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

9

Job ID: 890-3632-1 SDG: Rural County NM

Lab Sample ID: 890-3632-11

Matrix: Solid

Eurofins Carlsbad

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001 Page 85 of 127

Job ID: 890-3632-1 SDG: Rural County NM

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	P	rogram	Identification Number	Expiration Date	
exas	N	ELAP	T104704215-22-48	06-30-23	
The following analytes	are included in this report, b	ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	
The following analytes a the agency does not off		ut the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	
0,		ut the laboratory is not certifi Matrix	ied by the governing authority. This list ma Analyte	ay include analytes for which	

Laboratory: Eurofins Midland

uthority	Pr	ogram	Identification Number	Expiration Date	
exas	NE	ELAP	T104704400-22-25	06-30-23	
• •		it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	ľ
the agency does not of	fer certification.				
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte		
0,		Matrix Solid	Analyte Total TPH		
Analysis Method			·		
Analysis Method			·		

Eurofins Carlsbad

Method Summary

Client: Talon/LPE Project/Site: TRAVIS BASSETT BIRNEY #001

Job ID: 890-3632-1 SDG: Rural County NM

Nethod	Method Description	Protocol	Laboratory
3260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
lotal BTEX	Total BTEX Calculation	TAL SOP	EET HOU
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET HOU
3015NM Prep	Microextraction	SW846	EET MID
OI Leach	Deionized Water Leaching Procedure	ASTM	EET 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:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Page 86 of 127

Sample Summary

Job ID: 890-3632-1
SDG: Rural County NM

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
90-3632-1	S-1	Solid	12/09/22 09:34	12/13/22 11:22	SURFACE
90-3632-2	S-1	Solid	12/09/22 09:48		1
90-3632-3	S-1	Solid	12/09/22 09:52	12/13/22 11:22	2
90-3632-4	S-2	Solid	12/09/22 10:01	12/13/22 11:22	SURFACE
90-3632-5	S-2	Solid	12/09/22 10:42	12/13/22 11:22	1
90-3632-6	S-2	Solid	12/09/22 10:43	12/13/22 11:22	2
90-3632-7	S-2	Solid	12/09/22 10:47	12/13/22 11:22	3
90-3632-8	S-2	Solid	12/09/22 10:52	12/13/22 11:22	4
90-3632-9	S-3	Solid	12/09/22 11:10	12/13/22 11:22	SURFACE
90-3632-10	S-4	Solid	12/09/22 11:14	12/13/22 11:22	SURFACE
90-3632-11	S-5	Solid	12/09/22 11:19	12/13/22 11:22	SURFACE

.

	Xe	Xenco			т Ш	L Paso, T obbs, NM	X (915) 5 (575) 39	85-3443, 2-7550, C	Lubbock, arlsbad,	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199				
Project Manager Ch	Chad Henslev				Bill to: (if different)	erent)						Wo	Work Order Comments	
	Talon LPE				Company Name	ame:					Progra	m: UST/PST 🗌 PR	P Brownfields	Program: UST/PST] PRP Brownfields RRC Superfund
	408 W. Texas Ave	ve.			Address:						State o	State of Project:		
te ZIP:	Artesia, NM 88210	210			City, State ZIP	IP.					Reporti	ng: Level II 🗌 Leve	HIII 🗌 PST/UST 🗍	Reporting: Level II 🗍 Level III 🗍 PST/UST 🗍 TRRP 📋 Level IV
	75.746.8768			Email:	Chensley@talonlpe.com	Dtalonlp	e.com				Delivera	Deliverables: EDD	ADaPT	Other:
Project Name:	Travis Bassett-Birney #001	tt-Birney	#001	Turn	Turn Around					ANALYSIS RE	REQUEST		Pre	Preservative Codes
Project Number:	702520	702520.039.01	-	√ Routine	Rush	Code	0.5						None: NO	IO DI Water: H ₂ O
Project Location:	Rual County, NM	unty, Ni		Due Date:					_				Coot: Cool	ool MeOH: Me
Sampler's Name:	Chad	Chad Hensley		TAT starts the	TAT starts the day received by	by						_	HCL: HC	C HNO3: HN
PO#	7	NIA		the lab, if rec	eived by 4:30	L	_		_				H2S04: H2	H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	~	(Yes No	Wet Ice:	(Yes) No	nete			-				H ₃ PO ₄ : HP	ΗP
Samples Received Intact:			Thermometer ID:	ID:	Nusp		-		-				NaHSO4: NABIS	A: NABIS
Cooler Custody Seals:	Yes No	MAC	Correction Factor:	actor:	10.07	Ľ.							Na ₂ S ₂ O ₃	Na2S2O3: NaSO3
Sample Custody Seals:	Yes No	NIA T	Temperature Reading:	Reading:	0.0			-		890-3632 Chair	nain of Custody	ody	Zn Aceta	Zn Acetate+NaOH: Zn
i otal Containers:		C	Corrected Temperature.	mperature:	20		L		_	-	-		Naciti	
Sample Identification		Matrix	Date Sampled	Sampled	Depth Co	Comp Cont		BTEX	ТРН				Sa	Sample Comments
S-1		Soil 1	12/9/2022	9:34	S G	Grab/ 1	×	×	×					
S-1		Soil 1	12/9/2022	9:48	1' G	Grab/ 1	×	×	×					
S-1		Soil 1	12/9/2022	9:52	2'-R GI	Grab/ 1	×	×	×					
S-2		Soil 1	12/9/2022	10:01	S G	Grab/ 1	×	×	×					
S-2			12/9/2022	10:42	1' G	Grab/ 1	×	×	×					
S-2		Soil 1	12/9/2022	10:43	2' G	Grab/ 1	×	×	×					
S-2		Soil 1	12/9/2022	10:47	3' G	Grab/ 1	×	×	×					
S-2		Soli	220216121	10:52	4' GI	Grab/ 1	×	×	×					
S-3		Soil 1	12/9/2022	11:10	S-R G	Grab/ 1	×	×	×					
S-4		-	12/9/2022	11:14		Grab/ 1	×	×	×					
Total 200.7 / 6010	200.8 / 60	6020:		8RCRA 13PPM	oM Texas 11	11 AI Sb	dS	Ba	B Cd	r Co Cu Fe		lo Ni K Se	Ag SiO ₂ Na Sr Ti	'I Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed Notice: Signature of this document and relinquishment of sar of service. Eurofins Xenco will be liable only for the cost of s of Eurofins Xenco. A minimum charge of \$85.00 will be appli	Metal(s) to be ument and relinqui vill be liable only fou vill charge of \$85.00	analyze shment of t the cost o	ed samples consti of samples and	TCLP / SH itutes a valid pu shall not assu	TCLP / SPLP 6010: 8RCKA utes a valid purchase order from client shall not assume any responsibility for roject and a charge of \$5 for each samp	From client sibility for each samp	company any losse	AS BA B any to Eurofin sses or expen	Be Cd Cr Co fins Xenco, its affiliat enses incurred by the urofins Xenco, but no	es and subcontrac e client if such loss a client if such loss	vio IVI SE / tors. It assigns ses are due to ci terms will be en	VIO_INI_SE_AG_II_UG_IOSI/ tors. It assigns standard terms and conditions ses are due to circumstances beyond the control terms will be enforced unless previously negotiated.	rrg: 16317 245.17747077471 conditions the control usily negotiated.	1410 1 1411
Relinquished by: (Signature)	Signature)	D	Received	Received by: (Signature)	ture)	-	Date	Date/Time		Relinquished by: (Signa	nature)	Received by	Received by: (Signature)	Date/Time
and			(10 (1)	10		5	er.S.J.	100	123					
1		(-	X					-					

Released to Imaging: 9/15/2023 2:48:50 PM

eurofins

Chain of Custody

° Ch	Relinguished by: (Signature)	Noice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotilated.	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed				S-5 Soil	Sample Identification Matrix	Total Containers:	Sample Custody Seals: Yes No N/A	Ύe	-	SAMPLE RECEIPT Temp Blank:				er.	Project Name: Travis Bassett-Birmey #001	Phone: 575.746.8768	City, State ZIP: Artesia, NM 88210		Company Name: Talon LPE	Project Manager: Chad Hensley	Xenco	Envir
Jul	A Received b	nt of samples constitute cost of samples and sha be applied to each proje	8RC				12/9/2022	Date Sampled	Corrected t emp	A Remperature Reading:	-	¥	Yes No		_			irmey #001						0	Environment Testing
	Received by: (Signature)	is a valid purchase o ill not assume any re ict and a charge of \$	RA 13PPM Te	 	_		11:19 S-R	Time Depth Sampled	femperature:	ading:	ā		Wet Ice: Yes	the lab, if received by 4:30pm	AT starts the day re	Due Date:	Routine Rush	Turn Around	Email: Chens	City, S	Address:	Compa	Bill to:		BL
		rder from client comp sponsibility for any Ic 5 for each sample sub	Texas 11 AI Sb 6010: 8RCRA S				Grab/ 1	h Grab/ # of Comp Cont			Pa	aran	o No nete		ceived by		Jsh Code	đ	Chensley@talonlpe.com	City, State ZIP:	S:	Company Name:	Bill to: (if different)	EL Paso, TX (9 Hobbs, NM (57	Midland, TX (432
	Date/Time	oany to Eurofins Xen osses or expenses in bmitted to Eurofins X	As Ba Be B b As Ba Be (× × ×	CL BTEX TPH											om					15) 585-3443, Lubt 5) 392-7550, Carls)	?) 704-5440, San Ar
4 2	Relinquished by: (Signature)	ico, its affiliates and subcontractors. icurred by the client if such losses are Kenco, but not analyzed. These terms	RA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo															ANALYSIS REQUEST						EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
	ture) Received by: (Signature)	It assigns standard terms and conditions e due to circumstances beyond the control will be enforced unless previously negotiate	Mg Mn Mo Ni K Se y Ni Se Ag TI U															DUEST	Deliverables: EDD ADa	Reporting: Level II Level III PST/UST TRRP	State of Project:	Program: UST/PST 🗌 PRP 🗍 Brownfields 🗌 RRC 🗌	Work Order	www.xenco.com	Work Order No:
	ture) Date/Time	-	Ag SiO ₂ Na Sr TI Sn U V Zn Hg: 1631/245.1/7470/7471					Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na2S2O3: NaSO3	NaHSO4: NABIS	H ₃ PO ₄ : HP		HCL: HC HNO3: HN	Cool: Cool MeOH: Me	None: NO DI Water: H ₂ O	Preservative Codes	ADaPT Other:			wnfields 🗌 RRC 🗌 Superfund 🗌	Work Order Comments	m ^D age 2 of	

Page 89 of 127

eurofins

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

5

13

Eurofins Midland								10.1						
1211 W. Florida Ave Midland, TX 79701	•	Chain of Custody Record	of Cus	tody R	ecord	~			exem.		: •	🔅 eurofins	Environment Testing	nt Testing
Client Information (Sub Contract Lab)	Sampler			Lab PM: Krame	Lab PM: Kramer, Jessica	۵ ۱		Carrier	Carrier Tracking No(s):	(s):	COC No: 880-59	COC No: 880-5960.1		
Client Contact: Shipping/Receiving	Phone:			E-Mail: Jessic	i: ica.Krame	r@et.euro	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of New N	State of Origin: New Mexico		Page: Page	Page: Page 1 of 2		
Company: Eurofins Environment Testing South Centr					Accreditatio	Accreditations Required (See note) NELAP - Texas	(See note):				:# qor	Job #: 890-3632-1		
Address: 4145 Greenbriar Dr,	Due Date Requested: 12/20/2022	ted:					Analysis	s Requested	ed		Pres	Preservation Codes:	des: M - Hexane	
City: Stafford	TAT Requested (days):	lays):	l.								<u>с</u> ш)	B - NaOH C - Zn Acetate	N - None O - AsNaO2 P - Na204S	
State, Zip: TX, 77477												D - Nitric Acid E - NaHSO4	Q - Na2SO3 R - Na2S2O3	
Phone: 281-240-4200(Tel)	PO #				»)						но- 	G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate	ahydrate
Email:	WO #:											I - Ice J - DI Water	V - MCAA W - pH 4-5	
Project Name: TRAVIS BASSETT BIRNEY #001	Project #: 89000040				es or							DA	Y - Trizma Z - other (specify)	fy)
Site:	SSOW#:				ISD (Y						of co Other:	á		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, S=solid, 0=waste/oil, BT=Tissue, A=Air)	Field Filtered Perform MS/I 8260D/5035FP	Total_BTEX					Total Numbe	Special In	Special Instructions/Note:	ote:
	X	X		Preservation Code:	X						X		$\left \right\rangle$	
S-1 (890-3632-1)	12/9/22	09:34 Mountain		Solid	×	×					N			
S-1 (890-3632-2)	12/9/22	09:48 Mountain		Solid	×	×					N			
S-1 (890-3632-3)	12/9/22	09:52 Mountain		Solid	×	×					N			
S-2 (890-3632-4)	12/9/22	10:01 Mountain		Solid	×	×					N			
S-2 (890-3632-5)	12/9/22	10:42 Mountain		Solid	×	×					2			
S-2 (890-3632-6)	12/9/22	10:43 Mountain		Solid	×	×					N			
S-2 (890-3632-7)	12/9/22	10:47 Mountain		Solid	×	×					N			
S-2 (890-3632-8)	12/9/22	10:52 Mountain		Solid	×	×					N			
S-3 (890-3632-9)	12/9/22	11:10 Mountain		Solid	×	×					N			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipmen laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC altertion immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Euror	nment Testing South Cent ed above for analysis/test th Central, LLC attention ir	tral, LLC places s/matrix being a mmediately. If a	the ownership nalyzed, the sa all requested ac	of method, ana amples must be ccreditations ar	lyte & accrec shipped bac current to d	litation compl k to the Euro ate, return th	liance upon our fins Environme e signed Chain	subcontract labo nt Testing South of Custody attest	oratories. Th Central, LLC ting to said c	is sample ship laboratory or ompliance to	othe C/F	C/F:+0.3 4-C		J-343
Possible Hazard Identification					Samp	le Disposi	al (A fee ma	Sample Disposal (A fee may be assessed if samples are retained longer	ed if sam	oles are re	tained Io	nye - en		
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	rable Rank: 2			Specia	Special Instructions/QC		Requirements:	ents:			9		
Empty Kit Relinquished by:		Date:			Time:	3	>	2	Method of Shipment:	pment	•			
reinquished by	Date/Time:			Company	Re	alved by	5	bur	Da	2417	1/22	9:06	COLLEGE COLLEGE	atur
Relinquished by	Date/Time:			Company	Re	Received by:			D	Date/Time:			Company	
Relinquished by:	Date/Time:			Company	Re	Received by:			Đ	Date/Time:			Company	
Custody Seals Intact: Custody Seal No.:					- C	Cooler Temperature(s) °C		and Other Remarks:						
													Ver: 06/08/2021	021

5

Chain of Custody Record

13



1211 W Elected Ave		<u></u> .	5	-		_						4 4 2 3	eurofins	2	
Midland, TX 79701 Phone: 432-704-5440		Chain	Chain of Custody Record	iody R	ecor	Q						s			Environment Testing
Client Information (Sub Contract Lab)	Sampler:			Lab PM: Kramei	Lab PM: Kramer, Jessica	sica			Carrier Tr	Carrier Tracking No(s):	-	880	COC No: 880-5960.1		
Client Contact Shipping/Receiving	Phone:			E-Mail: Jessi	il: sica.Kran	ner@et.e	E-Mail: Jessica.Kramer@et.eurofinsus.	com	State of Origin: New Mexico	rigin: xico		Page: Page	Page: Page 1 of 2		1
Company: Eurofins Environment Testing South Centr					Accredita NELAP	- Texas	Accreditations Required (See not NELAP - Texas	te):				-068 # qor	Job #: 890-3632-1		
Address: 4145 Greenbriar Dr,	Due Date Requested: 12/20/2022	ted:		-			An	Analysis Re	Requested	-		Pre	Preservation Codes:	Codes: M - H	S: M - Hexane
city: Stafford	TAT Requested (days):	days):	-									ς œ)	B - NaOH C - Zn Acetate	N - None O - AsNa P - Na2O	N - None O - AsNaO2 P - Na2O4S
State, Zip: TX, 77477												ù ù ò	D - Nitric Acid E - NaHSO4 F - MeOH	ר ס ת z z	la2SO3 a2S2O3
Phone: 281-240-4200(Tel)	PO #				o)							ŦΘ	G - Amchlor H - Ascorbic Acid		S - H2SO4 T - TSP Dodecahydrate
Email:	WO #												I - Ice J - DI Water		W - pH 4-5
Project Name: TRAVIS BASSETT BIRNEY #001	Project #: 89000040					TEX						the description	- EDA	Υ - Τι Ζ - ot	rizma ther (specify)
Site:	SSOW#:					Calc B						Other:	er:		
			Sample Type	Matrix (w=water,	Filtered rm MS/I	5035FP						Numbe			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	00	S=Solid, O=waste/oil, BT=Tissue, A=Air)		8260D Total_						Total	Specia	l Instruc	Special Instructions/Note:
	X		Preserva	Preservation Code:	X							X		Y	
S-1 (890-3632-1)	12/9/22	Mountain		Solid		××			+		-	N			
S-1 (890-3632-2)	12/9/22	09:48 Mountain	_	Solid		××						N			
S-1 (890-3632-3)	12/9/22	09:52 Mountain		Solid		××				-		N			
S-2 (890-3632-4)	12/9/22	10:01 Mountain		Solid		××						N			
S-2 (890-3632-5)	12/9/22	10:42 Mountain		Solid		××						N			
S-2 (890-3632-6)	12/9/22	10:43 Mountain	_	Solid		××						N			
S-2 (890-3632-7)	12/9/22	10:47 Mountain		Solid		××						N			
S-2 (890-3632-8)	12/9/22	10:52 Mountain		Solid		× ×						N			
S-3 (890-3632-9)	12/9/22	11:10 Mountain		Solid		××					-	2			
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipmen laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC aboratory or othe accreditation satus should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately.	nment Testing South Cen ed above for analysis/test th Central, LLC attention i	itral, LLC place ts/matrix being mmediately. It	es the ownership analyzed, the si f all requested a	o of method, ana amples must be ccreditations an	shipped b current to	reditation c ack to the b date, retu	iompliance up Eurofins Envi Irn the signed	oon our subco ironment Test I Chain of Cus	ontract laborat ting South Ce stody attesting	ories. This ntral, LLC la g to said con	sample ship boratory or ppliance to	othe C/F	C/F:+0.3 4-	40 0 17	IR ID:HOU-343
Possible Hazard Identification					Sam	Return	Sample Disposal (A f	ee may be	ee may be assessed if samples are retained loryed Disposal By Lab	l if sampl By Lab	es are re □	tained Ioriy Archive For	For	2	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	rable Rank:	2		Spec	cial Instr	Special Instructions/QC	Requirements	ients:						
Empty Kit Relinquished by:		Date:			Time:	4		•	Met	Method of Shipment	hent:	•			
Relinquished by	Date/Time:			Company	F	Regelved by	K	44	r	Date	21/17	22	9:0	6 Com	unter
Relinquished by:	Date/Time:			Company		Recéived b	Y:			Date	Date/Time:			Company	pany
Relinquished by:	Date/Time:			Company		Received by:	Y:			Date	Date/Time:			Com	Company
Custody Seals Intact: Custody Seal No.: ∆ Yes ∆ No						Cooler Ten	Cooler Temperature(s) °	³ C and Other Remarks:	Remarks:					Ver	Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3632 List Number: 1 Creator: Clifton, Cloe

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.	N/A	Refer to Job Narrative for details.
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	

14

Job Number: 890-3632-1 SDG Number: Rural County NM List Source: Eurofins Houston

List Creation: 12/17/22 12:37 PM

Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3632 List Number: 3 Creator: Torres, Sandra

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	4.3
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	True	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Eurofins Carlsbad Released to Imaging: 9/15/2023 2:48:50 PM

14

Job Number: 890-3632-1 SDG Number: Rural County NM

List Source: Eurofins Midland

List Creation: 12/14/22 12:10 PM

Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3632 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 5/3/2023 1:35:17 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210 Generated 2/3/2023 11:15:46 AM

JOB DESCRIPTION

Travis Bassett-Birney #001 SDG NUMBER 702520.039.01

JOB NUMBER

890-3952-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information

Received by OCD: 5/3/2023 1:35:17 PM

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

RAMER

Generated 2/3/2023 11:15:46 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

1

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 890-3952-1 SDG: 702520.039.01

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	14
QC Sample Results	15
QC Association Summary	20
Lab Chronicle	23
Certification Summary	27
Method Summary	28
Sample Summary	29
Chain of Custody	30
Receipt Checklists	31

2

Definitions/Glossary

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

Page 98 of 127

Job ID: 890-3952-1	
SDG: 702520.039.01	

-		
()	112	 ers
4	ua	 EI 3

Qualifiero		<u> </u>
GC VOA		
Qualifier	Qualifier Description	
*_	LCS and/or LCSD is outside acceptance limits, low biased.	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	5
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Α	
Qualifier	Qualifier Description	
В	Compound was found in the blank and sample.	8
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	U
S1+	Surrogate recovery exceeds control limits, high biased.	Q
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	11
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	10
%R	Percent Recovery	13
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)
- EDLEstimated Detection Limit (Dioxin)LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)
- MCL EPA recommended "Maximum Contaminant Level"
- MDA Minimum Detectable Activity (Radiochemistry)
- MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit
- 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)
- NEGNegative / AbsentPOSPositive / Present
- 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

Job ID: 890-3952-1 SDG: 702520.039.01

Job ID: 890-3952-1

Client: Talon/LPE

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3952-1

Receipt

The samples were received on 1/24/2023 1:07 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 4.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-4R (890-3952-1), S-5R (890-3952-2), S-6 (890-3952-3), S-6R (890-3952-4), S-7 (890-3952-5), S-7 (890-3952-6), S-7 (890-3952-7), S-8 (890-3952-8), S-8 (890-3952-9) and S-8 (890-3952-10).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4R (890-3952-1), S-5R (890-3952-2), S-6 (890-3952-3), S-6R (890-3952-4), S-7 (890-3952-6), S-7 (890-3952-6), S-7 (890-3952-7), S-8 (890-3952-8), S-8 (890-3952-9), S-8 (890-3952-10), (MB 880-45053/5-A), (890-3932-A-1-F), (890-3932-A-1-D MS) and (890-3932-A-1-E 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

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-45238/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-45240/1-A). 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.

HPLC/IC

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

Job ID: 890-3952-1 SDG: 702520.039.01

Client Sample ID: S-4R

Date Collected: 01/19/23 10:05 Date Received: 01/24/23 13:07

Sample Depth: 3'

Client: Talon/LPE

Lab Sample ID: 890-3952-1

Matrix: Solid

5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000384	U *+	0.00200	0.000384	mg/Kg		01/30/23 12:55	01/31/23 23:33	
Toluene	<0.000455	U *+	0.00200	0.000455	mg/Kg		01/30/23 12:55	01/31/23 23:33	
Ethylbenzene	<0.000564	U *+	0.00200	0.000564	mg/Kg		01/30/23 12:55	01/31/23 23:33	
m-Xylene & p-Xylene	<0.00101	U *+	0.00399	0.00101	mg/Kg		01/30/23 12:55	01/31/23 23:33	
o-Xylene	<0.000343	U *+	0.00200	0.000343	mg/Kg		01/30/23 12:55	01/31/23 23:33	
Xylenes, Total	<0.00101	U *+	0.00399	0.00101	mg/Kg		01/30/23 12:55	01/31/23 23:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	277	S1+	70 - 130				01/30/23 12:55	01/31/23 23:33	
1,4-Difluorobenzene (Surr)	73		70 _ 130				01/30/23 12:55	01/31/23 23:33	
Method: TAL SOP Total BTEX -	Fotal BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/02/23 11:39	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	55.6		49.9	15.0	mg/Kg			02/02/23 14:48	,
Method: SW846 8015B NM - Die	col Pongo Orga		(60)						
Analyte		Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	22.5		49.9		mg/Kg		02/02/23 09:29	02/02/23 13:04	
(GRO)-C6-C10									
Diesel Range Organics (Over C10-C28)	16.3	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:04	
Oll Range Organics (Over	16.8	JB	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:04	
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	90		70 - 130				02/02/23 09:29	02/02/23 13:04	
	103		70 - 130				02/02/23 09:29	02/02/23 13:04	
p-Terphenyl									
o- <i>Terphenyl</i> Method: EPA 300.0 - Anions, Ior	Chromatograp	hy - Solubl	e						
	Result	hy - Solubl Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Method: EPA 300.0 - Anions, Ior		-			Unit mg/Kg	D	Prepared	Analyzed 01/30/23 12:43	Dil Fa

Sample Depth: 3'

Г

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U *+	0.00200	0.000385	mg/Kg		01/30/23 12:55	02/01/23 00:00	1
Toluene	<0.000456	U *+	0.00200	0.000456	mg/Kg		01/30/23 12:55	02/01/23 00:00	1
Ethylbenzene	<0.000565	U *+	0.00200	0.000565	mg/Kg		01/30/23 12:55	02/01/23 00:00	1
m-Xylene & p-Xylene	<0.00101	U *+	0.00400	0.00101	mg/Kg		01/30/23 12:55	02/01/23 00:00	1
o-Xylene	<0.000344	U *+	0.00200	0.000344	mg/Kg		01/30/23 12:55	02/01/23 00:00	1
Xylenes, Total	<0.00101	U *+	0.00400	0.00101	mg/Kg		01/30/23 12:55	02/01/23 00:00	1

Eurofins Carlsbad

Matrix: Solid

5

Client Sample Results

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-2

Client Sample ID: S-5R	
Date Collected: 01/19/23 09:54	

Date Received: 01/24/23 13:07

Sample Depth: 3'

Client: Talon/LPE

Surrogata	0/ D	Qualifia	1 im- 14-				Duon 1	Amatina 1	D# 5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	306	S1+	70 <u>-</u> 130				01/30/23 12:55	02/01/23 00:00	
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130				01/30/23 12:55	02/01/23 00:00	1
Method: TAL SOP Total BTEX - T									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			02/02/23 11:39	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	77.4		49.9	15.0	mg/Kg			02/02/23 14:48	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.2	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:26	1
Diesel Range Organics (Over	19.1	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:26	1
C10-C28)		-							
Oll Range Organics (Over C28-C36)	19.1	JB	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane		Quanner	70 - 130				02/02/23 09:29	02/02/23 13:26	1
	99		70 - 130 70 - 130				02/02/23 09:29	02/02/23 13:26	
o-Terphenyl							02/02/23 09.29	02/02/23 13.20	1
Method: EPA 300.0 - Anions, Ion Analyte	• •	hy - Solubl Qualifier	e RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108	Quanner	4.97		mg/Kg			01/30/23 12:57	1
	100		4.57	0.393	ilig/itg				•
lient Sample ID: S-6							Lab Sar	nple ID: 890-	
ate Collected: 01/19/23 10:20								Matri	x: Solid
ate Received: 01/24/23 13:07									
ample Depth: 1'									
Method: SW846 8021B - Volatile									
Analyte		Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U *+	0.00198	0.000381	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
Toluene	<0.000451	U *+	0.00198	0.000451	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
Ethylbenzene	<0.000559	U *+	0.00198	0.000559	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
m-Xylene & p-Xylene	<0.00100	U *+	0.00396	0.00100	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
o-Xylene	<0.000341	U *+	0.00198	0.000341	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
Xylenes, Total	<0.00100	U *+	0.00396	0.00100	mg/Kg		01/30/23 12:55	02/01/23 00:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
A Bromofly archanzana (Surr)		01:	70 400				04/00/00 40 55	00/01/00 00 07	

Method: TAL SOP Total BTEX - To	tal BTEX Calc	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			02/02/23 11:39	1

70 - 130

70 - 130

283 S1+

77

02/01/23 00:27

02/01/23 00:27

01/30/23 12:55

01/30/23 12:55

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

1

Client Sample Results

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-3

Client Sample ID: S-6

Date Collected: 01/19/23 10:20 Date Received: 01/24/23 13:07

Sample Depth: 1'

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.5		49.9	15.0	mg/Kg			02/02/23 14:48	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.4	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:48	1
Diesel Range Organics (Over C10-C28)	25.2	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:48	
Oll Range Organics (Over C28-C36)	28.9	JB	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 13:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 _ 130				02/02/23 09:29	02/02/23 13:48	
o-Terphenyl	100		70 - 130				02/02/23 09:29	02/02/23 13:48	-
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.5		4.95	0.391	mg/Kg			01/30/23 13:02	1
Client Sample ID: S-6R							Lab Sar	nple ID: 890-	3952-4
ate Collected: 01/19/23 10:26								-	x: Solic

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U *+	0.00202	0.000388	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
Toluene	<0.000460	U *+	0.00202	0.000460	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
Ethylbenzene	<0.000570	U *+	0.00202	0.000570	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
m-Xylene & p-Xylene	<0.00102	U *+	0.00403	0.00102	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
o-Xylene	<0.000347	U *+	0.00202	0.000347	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
Xylenes, Total	<0.00102	U *+	0.00403	0.00102	mg/Kg		01/30/23 12:55	02/01/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	305	S1+	70 - 130				01/30/23 12:55	02/01/23 00:54	1
1,4-Difluorobenzene (Surr)	74		70 - 130				01/30/23 12:55	02/01/23 00:54	1
Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - "	Total BTEX Calo	ulation							
Analyte		Qualifier	RL 0.00403	MDL 0.00102	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00102	Qualifier U	0.00403			<u>D</u>	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00102 el Range Organ	Qualifier U	0.00403		mg/Kg	<u>D</u>	<u>.</u>	02/02/23 11:39	Dil Fac
Analyte Total BTEX	Result <0.00102 el Range Organ	Qualifier U ics (DRO) (Qualifier	0.00403	0.00102	mg/Kg		Prepared Prepared		1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result 17.7	Qualifier U ics (DRO) (Qualifier J	0.00403 GC) RL 49.9	0.00102	mg/Kg Unit		<u>.</u>	02/02/23 11:39 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result Range Organ Result 17.7 sel Range Orga	Qualifier U ics (DRO) (Qualifier J	0.00403 GC) RL 49.9	0.00102	mg/Kg Unit mg/Kg		<u>.</u>	02/02/23 11:39 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result Range Organ Result 17.7 sel Range Orga	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier	GC) <u>RL</u> <u>49.9</u> (GC)	0.00102 MDL 15.0	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result Result 17.7 Sel Range Orga Result	Qualifier U ics (DRO) (Qualifier J nics (DRO) Qualifier J	0.00403 GC) <u>RL</u> 49.9 (GC) <u>RL</u>	0.00102 MDL 15.0 MDL 15.0	mg/Kg Unit Unit	<u>D</u>	Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33 Analyzed	1 Dil Fac

Eurofins Carlsbad

Matrix: Solid

5

Released to Imaging: 9/15/2023 2:48:50 PM

Client: Talon/LPE

4 5

Client Sample Results

Job ID: 890-3952-1
SDG: 702520.039.01

lient Sample ID: S-6R							Lab Sar	nple ID: 890-	3952-4
ate Collected: 01/19/23 10:26							Lub Oui	-	x: Solic
ate Received: 01/24/23 13:07								Wath	x. 50m
ample Depth: 3'									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	94		70 - 130				02/02/23 09:34	02/03/23 03:04	
o-Terphenyl	111		70 - 130				02/02/23 09:34	02/03/23 03:04	
Method: EPA 300.0 - Anions, Ion		hy - Soluble Qualifier		MDI	11		Drawarad	Analyzad	
Analyte Chloride	Result 276	Quaimer			Unit mg/Kg	D	Prepared	Analyzed 01/30/23 13:07	Dil Fa
Chionde	270		20.0	1.50	ilig/itg			01/30/23 13:07	
lient Sample ID: S-7							Lab Sar	nple ID: 890-	3952-{
ate Collected: 01/19/23 10:30								Matri	x: Solid
ate Received: 01/24/23 13:07									
ample Depth: 1'									
Mothod: SW046 9024 D Valatila	Organic Comp	ounds (CC)							
Method: SW846 8021B - Volatile Analyte		Qualifier	RL	мо	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000384		0.00200	0.000384	mg/Kg		01/30/23 12:55	02/01/23 01:20	
Toluene	< 0.000455	U *+	0.00200	0.000455	mg/Kg		01/30/23 12:55	02/01/23 01:20	
Ethylbenzene	< 0.000564		0.00200	0.000564	mg/Kg		01/30/23 12:55	02/01/23 01:20	
m-Xylene & p-Xylene	< 0.00101		0.00399	0.00101			01/30/23 12:55	02/01/23 01:20	
o-Xylene	< 0.000343		0.00200	0.000343			01/30/23 12:55	02/01/23 01:20	
Xylenes, Total	<0.00101	U *+	0.00399	0.00101	mg/Kg		01/30/23 12:55	02/01/23 01:20	
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	291	S1+	70 - 130				01/30/23 12:55	02/01/23 01:20	
1,4-Difluorobenzene (Surr)	72		70 - 130				01/30/23 12:55	02/01/23 01:20	
Method: TAL SOP Total BTEX - 1	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			02/02/23 11:39	·
-									
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (O	GC)						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	51.6		50.0	15.0	mg/Kg			02/03/23 11:33	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	32.0	J	50.0	15.0	mg/Kg		02/02/23 09:34	02/03/23 03:26	
(GRO)-C6-C10									
Diesel Range Organics (Over	19.6	J	50.0	15.0	mg/Kg		02/02/23 09:34	02/03/23 03:26	
C10-C28) Oll Range Organics (Over C28-C36)	<15.0	п	50.0	15.0	mg/Kg		02/02/23 09:34	02/03/23 03:26	
	~10.0	2	00.0	10.0			52,02,20 03.04	52,55,25 00.20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	95		70 - 130				02/02/23 09:34	02/03/23 03:26	
o-Terphenyl	111		70 - 130				02/02/23 09:34	02/03/23 03:26	
	Ohmenne far st	har on the t	_						
Method: EPA 300.0 - Anions, Ion		hy - Soluble Qualifier		моч	Unit	D	Propared	Analyzod	
Analyte	Result	Quaimer	RL		mg/Kg	<u> </u>	Prepared	Analyzed	Dil Fa

Eurofins Carlsbad

Job ID: 890-3952-1 SDG: 702520.039.01

Client Sample ID: S-7

Date Collected: 01/19/23 10:35 Date Received: 01/24/23 13:07

nla Danthi 21 Sa

Client: Talon/LPE

Lab Sample ID: 890-3952-6

Matrix: Solid

5

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	<0.000389 <0.000461 <0.000571 <0.00102 <0.000347 <0.00102 %Recovery 207	U *+ U *+ U *+ U *+ U *+	RL 0.00202 0.00202 0.00202 0.00404 0.00202 0.00404	0.000389 0.000461 0.000571 0.00102 0.000347 0.00102	mg/Kg mg/Kg mg/Kg mg/Kg		01/30/23 12:55 01/30/23 12:55 01/30/23 12:55 01/30/23 12:55 01/30/23 12:55	Analyzed 02/01/23 01:47 02/01/23 01:47 02/01/23 01:47 02/01/23 01:47 02/01/23 01:47	1 1 1 1 1
Ethylbenzene n-Xylene & p-Xylene o-Xylene Kylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	<0.000571 <0.00102 <0.000347 <0.00102 %Recovery	U *+ U *+ U *+ U *+	0.00202 0.00404 0.00202	0.000571 0.00102 0.000347	mg/Kg mg/Kg mg/Kg mg/Kg		01/30/23 12:55 01/30/23 12:55	02/01/23 01:47 02/01/23 01:47	
n-Xylene & p-Xylene)-Xylene (ylenes, Total Surrogate I-Bromofluorobenzene (Surr)	<0.00102 <0.000347 <0.00102 %Recovery	U *+ U *+ U *+	0.00404 0.00202	0.00102 0.000347	mg/Kg mg/Kg		01/30/23 12:55	02/01/23 01:47	1 1 1
n-Xylene & p-Xylene)-Xylene (ylenes, Total Surrogate I-Bromofluorobenzene (Surr)	<0.000347 <0.00102 %Recovery	U *+ U *+	0.00202	0.000347	mg/Kg				1
(ylenes, Total Surrogate I-Bromofluorobenzene (Surr)	<0.00102 %Recovery	U *+					01/30/23 12:55	02/01/23 01:47	1
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery		0.00404	0.00102					
1-Bromofluorobenzene (Surr)		Qualifier			mg/Kg		01/30/23 12:55	02/01/23 01:47	1
	207	Quanner	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	307	S1+	70 - 130				01/30/23 12:55	02/01/23 01:47	1
	72		70 - 130				01/30/23 12:55	02/01/23 01:47	1
Method: TAL SOP Total BTEX - To	tal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			02/02/23 11:39	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<15.0	U	49.9	15.0	mg/Kg			02/03/23 11:33	1
Analyte Basoline Range Organics	Result <15.0	Qualifier U		MDL 15.0	Unit mg/Kg	D	Prepared 02/02/23 09:34	Analyzed 02/03/23 03:48	Dil Fac
GRO)-C6-C10 Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 03:48	1
C10-C28) DII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 03:48	1
	% Deceivers	Qualifian	l insite				Dramawad	Analyzad	
Surrogate 1-Chlorooctane	%Recovery 110	Qualifier	Limits				Prepared 02/02/23 09:34	Analyzed 02/03/23 03:48	Dil Fac
p-Terphenyl	110		70 <u>-</u> 130				02/02/23 09:34	02/03/23 03:48	1
Nothed, EDA 200.0 Anione Jan (hu Calubi							
Method: EPA 300.0 - Anions, Ion (Analyte		Qualifier	RL	МПІ	Unit	D	Prepared	Analyzed	Dil Fac
analyte	26.6		4.99		mg/Kg			01/30/23 13:16	1
Chloride							Lah San	nple ID: 890-	2052 7
lient Sample ID: S-7							Lab Gan		
lient Sample ID: S-7 ate Collected: 01/19/23 10:39									x: Solid
lient Sample ID: S-7 ate Collected: 01/19/23 10:39 ate Received: 01/24/23 13:07									
lient Sample ID: S-7 ate Collected: 01/19/23 10:39 ate Received: 01/24/23 13:07 ample Depth: 6'		ounds (CC)							
lient Sample ID: S-7 ate Collected: 01/19/23 10:39 ate Received: 01/24/23 13:07 ample Depth: 6' Method: SW846 8021B - Volatile C		ounds (GC) Qualifier) RL	MDL	Unit	D	Prepared		
Chloride lient Sample ID: S-7 ate Collected: 01/19/23 10:39 ate Received: 01/24/23 13:07 ample Depth: 6' Method: SW846 8021B - Volatile C Analyte Benzene		Qualifier	•	MDL 0.000383		<u>D</u>		Matri	x: Solid
lient Sample ID: S-7 ate Collected: 01/19/23 10:39 ate Received: 01/24/23 13:07 ample Depth: 6' Method: SW846 8021B - Volatile C Analyte	Result	Qualifier U *+			mg/Kg	<u>D</u>	Prepared	Matri Analyzed	x: Solic

4-Bromofluorobenzene (Surr)	291	S1+	70 - 130			01/30/23 12:55	02/01/23 02:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00100	U *+	0.00398	0.00100	mg/Kg	01/30/23 12:55	02/01/23 02:14	1
o-Xylene	<0.000342	U *+	0.00199	0.000342	mg/Kg	01/30/23 12:55	02/01/23 02:14	1
m-Xylene & p-Xylene	<0.00100	U *+	0.00398	0.00100	mg/Kg	01/30/23 12:55	02/01/23 02:14	1
Ethylbenzene	<0.000562	U *+	0.00199	0.000562	mg/Kg	01/30/23 12:55	02/01/23 02:14	1
Ioidene	~0.000400	0 1	0.00133	0.000400	ing/itg	01/30/23 12.33	02/01/25 02.14	

Bromofluorobenzene (Surr)

Eurofins Carlsbad

Released to Imaging: 9/15/2023 2:48:50 PM

5

Client Sample Results

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-7

Client Sample ID: S-7

Date Collected: 01/19/23 10:39 Date Received: 01/24/23 13:07

Sample Depth: 6'

Client: Talon/LPE

	Matrix: Solid
Compounds (GC) (Continued)	

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	77		70 - 130				01/30/23 12:55	02/01/23 02:14	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			02/02/23 11:39	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	37.8	J	49.9	15.0	mg/Kg			02/03/23 11:33	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	37.8	J	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:09	
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:09	
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:09	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	93		70 - 130				02/02/23 09:34	02/03/23 04:09	
p-Terphenyl	107		70 - 130				02/02/23 09:34	02/03/23 04:09	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	44.6		5.04	0.398	mg/Kg			01/30/23 13:21	

Client Sample ID: S-8

Date Collected: 01/19/23 11:05 Date Received: 01/24/23 13:07 Sample Depth: 1'

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000382 U *+ 0.00198 0.000382 mg/Kg 01/30/23 12:55 02/01/23 02:41 1 Toluene <0.000452 U*+ 0.00198 0.000452 mg/Kg 01/30/23 12:55 02/01/23 02:41 1 Ethylbenzene <0.000561 U*+ 0.00198 0.000561 mg/Kg 01/30/23 12:55 02/01/23 02:41 1 0.00397 01/30/23 12:55 02/01/23 02:41 m-Xylene & p-Xylene <0.00100 U*+ 0.00100 mg/Kg 1 o-Xylene <0.000341 U*+ 0.00198 0.000341 mg/Kg 01/30/23 12:55 02/01/23 02:41 1 Xylenes, Total <0.00100 U*+ 0.00397 0.00100 mg/Kg 01/30/23 12:55 02/01/23 02:41 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 317 S1+ 70 - 130 01/30/23 12:55 4-Bromofluorobenzene (Surr) 02/01/23 02:41 1 1,4-Difluorobenzene (Surr) 77 70 - 130 01/30/23 12:55 02/01/23 02:41 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00100 U 0.00397 0.00100 02/02/23 11:39 mg/Kg 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac **Total TPH** 25.3 J 49.9 15.0 mg/Kg 02/03/23 11:33

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-9

Matrix: Solid

Client Sample ID: S-8

Date Collected: 01/19/23 11:05 Date Received: 01/24/23 13:07

Sample Depth: 1'

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.3	J	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:30	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:30	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:34	02/03/23 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				02/02/23 09:34	02/03/23 04:30	1
o-Terphenyl	112		70 - 130				02/02/23 09:34	02/03/23 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.70	5.05	0.399 mg/Kg			01/30/23 13:35	1

Client Sample ID: S-8

Date Collected: 01/19/23 11:09

Date Received: 01/24/23 13:07

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U *+	0.00200	0.000386	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
Toluene	<0.000457	U *+	0.00200	0.000457	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
Ethylbenzene	<0.000566	U *+	0.00200	0.000566	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
m-Xylene & p-Xylene	<0.00101	U *+	0.00401	0.00101	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
o-Xylene	<0.000345	U *+	0.00200	0.000345	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
Xylenes, Total	<0.00101	U *+	0.00401	0.00101	mg/Kg		01/30/23 12:55	02/01/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	305	S1+	70 - 130				01/30/23 12:55	02/01/23 03:07	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/30/23 12:55	02/01/23 03:07	1
Method: TAL SOP Total BTEX			PI	MDI	Unit	п	Propared	Analyzod	Dil Ear
Analyte Total BTEX Method: SW846 8015 NM - Die	Result <0.00101	Qualifier U	RL 0.00401 - GC) RL	MDL 0.00101 MDL	Unit mg/Kg Unit	<u>D</u>	Prepared	Analyzed 02/02/23 11:39 Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00101	Qualifier U ics (DRO) (Qualifier	0.00401	0.00101 MDL	mg/Kg Unit		Prepared Prepared		1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range Organ Result 49.2 Result Result	Qualifier U ics (DRO) (Qualifier J nics (DRO)	(GC)	0.00101 MDL 15.0	mg/Kg Unit mg/Kg	D	Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte	Result <0.00101 sel Range Organ Result 49.2 iesel Range Orga Result	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier	0.00401 GC) <u>RL</u> 49.9 (GC) <u>RL</u>	0.00101 MDL 15.0 MDL	mg/Kg Unit mg/Kg Unit		Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range Organ Result 49.2 Result Result	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier	(GC)	0.00101 MDL 15.0	mg/Kg Unit mg/Kg	D	Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33	1
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics	Result <0.00101 sel Range Organ Result 49.2 iesel Range Orga Result	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier J	0.00401 GC) <u>RL</u> 49.9 (GC) <u>RL</u>	0.00101 MDL 15.0 MDL	mg/Kg Unit mg/Kg Unit	D	Prepared	02/02/23 11:39 Analyzed 02/03/23 11:33 Analyzed	Dil Fac

		Clien	t Sample	Results	5				
Client: Talon/LPE								Job ID: 890)-3952-1
Project/Site: Travis Bassett-Birney #	#001							SDG: 702520).039.01
Client Sample ID: S-8							Lab Sar	nple ID: 890-	3952-9
Date Collected: 01/19/23 11:09							Lub Oui		ix: Solid
Date Received: 01/13/23 13:07								Wath	x. 00110
Sample Depth: 3'									
Method: EPA 300.0 - Anions, Ion		-				_			
Analyte		Qualifier	RL .		Unit	<u>D</u>	Prepared	Analyzed 01/30/23 13:40	Dil Fac
Chloride	23.9		4.96	0.392	mg/Kg			01/30/23 13:40	1
Client Sample ID: S-8							Lab Sam	ple ID: 890-3	952-10
Date Collected: 01/19/23 11:15								Matri	ix: Solid
Date Received: 01/24/23 13:07									
Sample Depth: 6'									
Method: SW846 8021B - Volatile Analyte		Qualifier) RL	МП	Unit	D	Propared	Analyzod	Dil Fac
Benzene	- Kesun <0.000385		0.00200	0.000385	mg/Kg		Prepared 01/30/23 12:55	Analyzed	1
Toluene	<0.000385		0.00200	0.000385	mg/Kg		01/30/23 12:55	02/01/23 03:34	1
Ethylbenzene	<0.000430		0.00200		mg/Kg		01/30/23 12:55	02/01/23 03:34	1
m-Xylene & p-Xylene	<0.000303		0.00200	0.00101			01/30/23 12:55	02/01/23 03:34	
o-Xylene	< 0.000344		0.00200	0.000344			01/30/23 12:55	02/01/23 03:34	1
Xylenes, Total	< 0.00101		0.00400	0.00101			01/30/23 12:55	02/01/23 03:34	1
	0.00101	0	0.00100	0.00101	iiig/itg		01/00/20 12:00	02/01/20 00:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	323	S1+	70 - 130				01/30/23 12:55	02/01/23 03:34	1
1,4-Difluorobenzene (Surr)	81		70 - 130				01/30/23 12:55	02/01/23 03:34	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101		0.00400	0.00101	mg/Kg			02/02/23 11:39	1
_ _									
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			02/03/23 11:33	1
Mothed: CW/94C 9045D NM Dies									
Method: SW846 8015B NM - Dies Analyte		Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	< <u><15.0</u>		50.0		mg/Kg		02/02/23 09:34	02/03/23 05:13	1
(GRO)-C6-C10	~10.0	5	50.0	10.0			52102120 03.04	52,00,20 00.10	I
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		02/02/23 09:34	02/03/23 05:13	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		02/02/23 09:34	02/03/23 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	- <u>////////////////////////////////////</u>		70 - 130				02/02/23 09:34	02/03/23 05:13	1
o-Terphenyl	123		70 - 130				02/02/23 09:34	02/03/23 05:13	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
· · · · · · · · · · · · · · · · · · ·				0.0				a 1 /0 0 /0 0 1 0	

 Chloride
 254
 5.00
 0.395
 mg/Kg
 01/30/23
 13:55

Eurofins Carlsbad

Job ID: 890-3952-1 SDG: 702520.039.01

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Client: Talon/LPE

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-3952-1	S-4R	277 S1+	73		
890-3952-1 MS	S-4R	88	100		6
890-3952-1 MSD	S-4R	91	98		
890-3952-2	S-5R	306 S1+	65 S1-		
890-3952-3	S-6	283 S1+	77		
890-3952-4	S-6R	305 S1+	74		8
890-3952-5	S-7	291 S1+	72		
890-3952-6	S-7	307 S1+	72		Q
890-3952-7	S-7	291 S1+	77		3
890-3952-8	S-8	317 S1+	77		
890-3952-9	S-8	305 S1+	81		
890-3952-10	S-8	323 S1+	81		
LCS 880-45053/1-A	Lab Control Sample	230 S1+	78		
LCS 880-45239/1-A	Lab Control Sample	101	101		
LCSD 880-45053/2-A	Lab Control Sample Dup	254 S1+	91		
LCSD 880-45239/2-A	Lab Control Sample Dup	85	89		
MB 880-45053/5-A	Method Blank	165 S1+	66 S1-		13
MB 880-45239/5-A	Method Blank	89	92		
Surrogate Legend					

Surrogate Legend

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
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-3952-1	S-4R	90	103	
890-3952-2	S-5R	86	99	
890-3952-3	S-6	86	100	
890-3952-4	S-6R	94	111	
890-3952-5	S-7	95	111	
890-3952-6	S-7	110	127	
890-3952-7	S-7	93	107	
890-3952-8	S-8	96	112	
890-3952-9	S-8	94	111	
890-3952-10	S-8	107	123	
LCS 880-45238/2-A	Lab Control Sample	75	79	
LCS 880-45240/2-A	Lab Control Sample	80	83	
LCSD 880-45238/3-A	Lab Control Sample Dup	73	79	
LCSD 880-45240/3-A	Lab Control Sample Dup	89	94	
MB 880-45238/1-A	Method Blank	110	135 S1+	
MB 880-45240/1-A	Method Blank	130	148 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl
Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45053/5-A Matrix: Solid Analysis Batch: 45127	МВ	мв					Client Sa	ample ID: Method Blank Prep Type: Total/NA Prep Batch: 45053		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		01/30/23 12:55	01/31/23 17:18	1	
	MB	МВ								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130				01/30/23 12:55	01/31/23 17:18	1	
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				01/30/23 12:55	01/31/23 17:18	1	

Lab Sample ID: LCS 880-45053/1-A Matrix: Solid

Analysis Batch: 45127

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.200	0.1346	*_	mg/Kg		67	70 - 130	
Toluene	0.200	0.1435		mg/Kg		72	70 - 130	
Ethylbenzene	0.200	0.1507		mg/Kg		75	70 - 130	
m-Xylene & p-Xylene	0.400	0.3044		mg/Kg		76	70 - 130	
o-Xylene	0.200	0.1498		mg/Kg		75	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: LCSD 880-45053/2-A

Matrix: Solid

Analysis Batch: 45127							Prep	Batch:	45053
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.200	0.1519		mg/Kg		76	70 - 130	12	35
Toluene	0.200	0.1564		mg/Kg		78	70 - 130	9	35
Ethylbenzene	0.200	0.1625		mg/Kg		81	70 - 130	8	35
m-Xylene & p-Xylene	0.400	0.3309		mg/Kg		83	70 - 130	8	35
o-Xylene	0.200	0.1656		mg/Kg		83	70 - 130	10	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	254	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-45239/5-A Matrix: Solid

Analysis Batch: 45230

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		02/02/23 09:32	02/02/23 11:44	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		02/02/23 09:32	02/02/23 11:44	1

Eurofins Carlsbad

Prep Type: Total/NA Prep Batch: 45239

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 45053

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Released to Imaging: 9/15/2023 2:48:50 PM

2/3/2023

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

Lab Sample ID: MB 880-45239/5-A Matrix: Solid									Client Sa	ample ID: Metho Prep Type:	
Analysis Batch: 45230										Prep Type. Prep Batc	
	MB	МВ								Trop Date	1. 40200
Analyte		Qualifier	RL	. 1	MDL	Unit		D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000565	U	0.00200	0.000	0565	mg/Kg		02	2/02/23 09:32	02/02/23 11:44	1
n-Xylene & p-Xylene	<0.00101	U	0.00400	0.00	0101	mg/Kg		02	2/02/23 09:32	02/02/23 11:44	1
o-Xylene	<0.000344	U	0.00200	0.000)344	mg/Kg		02	2/02/23 09:32	02/02/23 11:44	1
Kylenes, Total	<0.00101	U	0.00400	0.00	0101	mg/Kg		02	2/02/23 09:32	02/02/23 11:44	1
	МВ	МВ									
Surrogate	%Recovery	Qualifier	Limits						Prepared	Analyzed	Dil Fac
-Bromofluorobenzene (Surr)	89		70 - 130					02	2/02/23 09:32	02/02/23 11:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130					02	2/02/23 09:32	02/02/23 11:44	1
_ab Sample ID: LCS 880-45239/1-A								Clie	nt Sample	ID: Lab Control	Sample
Matrix: Solid										Prep Type:	
Analysis Batch: 45230										Prep Batc	
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Quali	ifier	Unit) %Rec	Limits	
Benzene			0.100	0.09021			mg/Kg		90	70 - 130	
ōluene			0.100	0.08826			mg/Kg		88	70 - 130	
Ethylbenzene			0.100	0.08511			mg/Kg		85	70 - 130	
n-Xylene & p-Xylene			0.200	0.1783			mg/Kg		89	70 - 130	
o-Xylene			0.100	0.08955			mg/Kg		90	70 - 130	
	LCS LCS										

	205	203	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-45239/2-A Matrix: Solid

Analysis Batch: 45230

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 45239

								Batom	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08733		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.08069		mg/Kg		81	70 - 130	9	35
Ethylbenzene	0.100	0.07295		mg/Kg		73	70 - 130	15	35
m-Xylene & p-Xylene	0.200	0.1576		mg/Kg		79	70 - 130	12	35
o-Xylene	0.100	0.08016		mg/Kg		80	70 - 130	11	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-3952-1 MS Matrix: Solid Analysis Batch: 45230

Analysis Batch: 45230									Prep	p Batch: 45239
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.000566	J	0.101	0.1056		mg/Kg		104	70 - 130	
Toluene	<0.000461	U	0.101	0.09701		mg/Kg		96	70 - 130	
Ethylbenzene	<0.000571	U	0.101	0.09122		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene	<0.00102	U	0.202	0.1893		mg/Kg		94	70 - 130	

Eurofins Carlsbad

Client Sample ID: S-4R

Prep Type: Total/NA

Spike

Added

0.101

Limits

Limits

70 - 130

70 - 130

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

Lab Sample ID: 890-3952-1 MS

Analysis Batch: 45230

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Matrix: Solid

Analyte

o-Xylene

Surrogate

Surrogate

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

< 0.000347

%Recovery

Sample Sample

Result Qualifier

υ

Qualifier

MS MS

Job ID: 890-3952-1 SDG: 702520.039.01

Client Sample ID: S-4R

%Rec

Limits

70 - 130

Prep Type: Total/NA

Prep Batch: 45239

4-Bromofluorobenzene (Surr)	88		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								
Lab Sample ID: 890-3952-1 MSI)								Client Sa	mple ID	: S-4R
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 45230									Prep	Batch:	45239
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.000566	J	0.0996	0.09754		mg/Kg		97	70 - 130	8	35
Toluene	<0.000461	U	0.0996	0.09016		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.000571	U	0.0996	0.08326		mg/Kg		84	70 - 130	9	35
m-Xylene & p-Xylene	<0.00102	U	0.199	0.1719		mg/Kg		86	70 - 130	10	35
o-Xylene	<0.000347	U	0.0996	0.08604		mg/Kg		86	70 - 130	9	35
	MSD	MSD									

MS MS

0.09385

Result Qualifier

Unit

mg/Kg

D

%Rec

93

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

%Recovery

91

98

Qualifier

Lab Sample ID: MB 880-45238/1-A Matrix: Solid							Unchi da	mple ID: Metho Prep Type: 1	
Analysis Batch: 45228								Prep Batch	
Analysis Datch: 45220	мв	мв						Fiep Datei	1. 45250
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 08:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 08:59	1
C10-C28)									
Oll Range Organics (Over C28-C36)	20.57	J	49.9	15.0	mg/Kg		02/02/23 09:29	02/02/23 08:59	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				02/02/23 09:29	02/02/23 08:59	1
o-Terphenyl	135	S1+	70 - 130				02/02/23 09:29	02/02/23 08:59	1
Lab Sample ID: LCS 880-45238/2-4						C	lient Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: 1	otal/N/
Analysis Batch: 45228								Prep Batch	1: 45238

Analysis Daton. 45220							LICH	J Daton.	45250
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	999	879.4		mg/Kg		88	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	999	947.2		mg/Kg		95	70 - 130		
C10-C28)									

Eurofins Carlsbad

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

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

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: LCS 880-45238	8/ 2-A							С	lient	Sample	ID: Lab Co		
Matrix: Solid												ype: To	
Analysis Batch: 45228											Prep	Batch:	4523
	LCS LCS	;											
Surrogate	%Recovery Qua	lifier	Limits										
1-Chlorooctane	75		70 - 130										
o-Terphenyl	79		70 - 130										
Lab Sample ID: LCSD 880-452	38/3-A						CI	ient	Sam	ple ID: L	ab Contro	l Samp	le Du
Matrix: Solid												ype: To	
Analysis Batch: 45228												Batch:	
			Spike	LCSD	LCS	D					%Rec		RP
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C6-C10			999	761.5			mg/Kg		_	76	70 - 130	14	2
Diesel Range Organics (Over			999	932.5			mg/Kg			93	70 - 130	2	2
C10-C28)			333	932.3			mg/rtg			90	70 - 150	2	4
	LCSD LCS												
Surrogate	%Recovery Qua	lifier	Limits										
1-Chlorooctane	73		70 - 130										
p-Terphenyl	79		70 - 130										
Matrix: Solid												ype: To Batch:	otal/N
Matrix: Solid Analysis Batch: 45228	МВ							_	_		Prep	Batch:	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 ^{Analyte}	MB	Qualifier				Unit		D		repared	Prep Analyz	Batch:	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics	МВ	Qualifier					9	<u>D</u>		repared 2/23 09:34	Prep	Batch:	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	MB	Qualifier U			15.0		-	<u>D</u>	02/02	•	Prep Analyz	Batch: ed 20:18	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	MB 	Qualifier U U	49.9		15.0 15.0	mg/Kg]	<u>D</u>	02/02	2/23 09:34	Prep Analyz 02/02/23 :	Batch: ed 20:18 20:18	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	MB <u>Result</u> <15.0 <15.0 <15.0	Qualifier U U	49.9		15.0 15.0	mg/Kg]	<u>D</u>	02/02	2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 :	Batch: ed 20:18 20:18	otal/N : 4524
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36)	MB <u>Result</u> <15.0 <15.0 <15.0	Qualifier U U U MB	49.9		15.0 15.0	mg/Kg]	<u>D</u>	02/02 02/02	2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 :	Batch: 20:18 20:18 20:18 20:18	otal/N : 4524 Dil F
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate	MB <u>Result</u> <15.0 <15.0 <15.0 <i>MB</i>	Qualifier U U U MB Qualifier	49.9 49.9 49.9		15.0 15.0	mg/Kg]	<u>D</u>	02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 :	Batch: 20:18 20:18 20:18	otal/N : 4524 Dil F
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate I-Chlorooctane	MB <u>Result</u> <15.0 <15.0 <15.0 <i>MB</i> <i>%Recovery</i> 130	Qualifier U U U MB Qualifier	49.9 49.9 49.9 <u>Limits</u>		15.0 15.0	mg/Kg]	<u>D</u>	02/02 02/02 02/02 Pi 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : Analyz	Batch: ed 20:18 20:18 20:18 20:18 20:18	Dil F
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> 70 - 130		15.0 15.0	mg/Kg]	_	02/02 02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 :	Batch: 20:18 20:18 20:18 20:18 20:18 20:18 20:18	Dill F
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: LCS 880-45240	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> 70 - 130		15.0 15.0	mg/Kg]	_	02/02 02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 3 02/02/23 3 02/02/23 3 02/02/23 3 02/02/23 3 02/02/23 3 02/02/23 3 D2/02/23 3 D2/02/23 3	Batch: 20:18 20:18 20:18 20:18 20:18 20:18 20:18	Dil F
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> 70 - 130		15.0 15.0	mg/Kg]	_	02/02 02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : ID: Lab Co Prep T	Batch: 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18 20:18	e 4524 Dil Fa Dil Fa
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> 70 - 130	LCS	15.0 15.0	mg/Kg mg/Kg]	_	02/02 02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : ID: Lab Co Prep T	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	e 4524 Dil Fa Dil Fa
Matrix: Solid Analysis Batch: 45228 GRADING Contemporation GROD-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate Analysis Batch: 45228	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130	 LCS Result	15.0 15.0 15.0	mg/Kg mg/Kg]	_	02/02 02/02 02/02 02/02	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : ID: Lab Co Prep T Prep	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Samp
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 Spike		15.0 15.0 15.0	mg/Kg mg/Kg	3	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 1D: Lab Co Prep T Prep %Rec	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Samp
Lab Sample ID: MB 880-45240/ Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 Spike Added	Result	15.0 15.0 15.0	mg/Kg mg/Kg	Unit	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample %Rec	Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : ID: Lab Co Prep T %Rec Limits	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Samp
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> <u>70 - 130</u> 70 - 130 70 - 130 Spike Added 999	Result 844.2	15.0 15.0 15.0	mg/Kg mg/Kg	g g <u>Unit</u> mg/Kg	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample %Rec 85	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 1D: Lab Cc Prep T Prep %Rec Limits 70 - 130	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Samp
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10	MB <u>Result</u> <15.0 <15.0 <15.0 MB <u>%Recovery</u> 130 148	Qualifier U U MB Qualifier S1+	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> <u>70 - 130</u> 70 - 130 70 - 130 Spike Added 999	Result 844.2	15.0 15.0 15.0	mg/Kg mg/Kg	g g <u>Unit</u> mg/Kg	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample %Rec 85	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 1D: Lab Cc Prep T Prep %Rec Limits 70 - 130	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	e 4524 Dil Fa Dil Fa
Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) DII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane 0-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	MB Result <15.0 <15.0 <15.0 MB %Recovery 130 148 D/2-A	Qualifier U U MB Qualifier S1+	49.9 49.9 49.9 <u>49.9</u> <u>49.9</u> <u>70 - 130</u> 70 - 130 70 - 130 Spike Added 999	Result 844.2	15.0 15.0 15.0	mg/Kg mg/Kg	g g <u>Unit</u> mg/Kg	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample %Rec 85	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 1D: Lab Cc Prep T Prep %Rec Limits 70 - 130	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Samp
Matrix: Solid Analysis Batch: 45228 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-45240 Matrix: Solid Analysis Batch: 45228 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	MB Result <15.0 <15.0 <15.0 MB %Recovery 130 148 D/2-A LCS LCS	Qualifier U U MB Qualifier S1+	49.9 49.9 49.9 <u>Limits</u> 70 - 130 70 - 130 70 - 130 Spike Added 999 999	Result 844.2	15.0 15.0 15.0	mg/Kg mg/Kg	g g <u>Unit</u> mg/Kg	_	02/02 02/02 02/02 02/02 02/02 lient	2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 2/23 09:34 Sample %Rec 85	Prep Analyz 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 02/02/23 : 1D: Lab Cc Prep T Prep %Rec Limits 70 - 130	Batch: ed 20:18 20:18 20:18 20:18 20:18 20:18 20:18 control S Cype: To	Dil Fa Dil Fa Dil Fa

83

o-Terphenyl

70 - 130

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001 Job ID: 890-3952-1 SDG: 702520.039.01

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

Lab Sample ID: LCSD 880-4	5240/3-A					CI	ient San	nple ID:	Lab Contro		
Matrix: Solid									Prep 1	Гуре: То	tal/N
Analysis Batch: 45228									Prep	Batch:	4524
			Spike	LCSI	LCSD				%Rec		RP
Analyte			Added	Resu	t Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics			999	736.)	mg/Kg		74	70 - 130	14	2
(GRO)-C6-C10											
Diesel Range Organics (Over			999	112	9	mg/Kg		113	70 - 130	12	2
C10-C28)											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits	_							
1-Chlorooctane	89		70 - 130								
o-Terphenyl	94		70 - 130								
ethod: 300.0 - Anions,		ography									
ab Sample ID: MB 880-449	71/1 -A							Client S	Sample ID:		
Matrix: Solid									Prep	Type: S	olub
Analysis Batch: 45041											
		MB MB									
Analyte		esult Qualifier	· ·		MDL Unit		D F	Prepared	Analyz		Dil F
Chloride	<(0.395 U		5.00	0.395 mg/l	(g			01/30/23	11:59	
Lab Sample ID: LCS 880-449	971/2-4						Clien	t Sample	ID: Lab C	ontrol S	amn
Matrix: Solid	// 1/2-74						onen	t oumpic		Type: S	
									тер	Type. O	oiub
Analysis Batch: 45041			• •		LCS				%Rec		
Analysis Batch: 45041			Spike	LU							
-			Spike Added		t Qualifier	Unit	D	%Rec	Limits		
Analyte			Added	Resu	t Qualifier	Unit ma/Ka	D	%Rec 103	Limits		
Analyte						Unit mg/Kg	<u>D</u>	%Rec 103	Limits 90 - 110		
Analyte Chloride	 4971/3-A		Added	Resu		mg/Kg		103		 ol Sampl	e Dı
Analyte Chloride Lab Sample ID: LCSD 880-4	4971/3-A		Added	Resu		mg/Kg		103	90 - 110 Lab Contro	ol Sampl Type: S	
Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid			Added	Resu		mg/Kg		103	90 - 110 Lab Contro		
Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid	 4971/3-A		Added	Resu 257.		mg/Kg		103	90 - 110 Lab Contro		
Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 45041			Added 250	Resu 257. LCSI	3	mg/Kg		103	90 - 110 Lab Contro Prep		olub RF
analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 45041	 4971/3-A 		Added 250 Spike	Resu 257. LCSI) LCSD t Qualifier	mg/Kg	ient San	103 nple ID:	90 - 110 Lab Contro Prep %Rec	Type: S	olub Ri Lir
Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 45041 Analyte Chloride			Added 250 Spike Added	Resu 257. LCSI Resu) LCSD t Qualifier	mg/Kg Cl	ient San	103 nple ID:	90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: So	olub RI Lir
Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 45041 Analyte Chloride			Added 250 Spike Added	Resu 257. LCSI Resu) LCSD t Qualifier	mg/Kg Cl	ient San	103 nple ID:	90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S	Type: So RPD 0 Sample I	olub RI Lir D: S
Analysis Batch: 45041 Analyte Chloride Lab Sample ID: LCSD 880-4 Matrix: Solid Analysis Batch: 45041 Analyte Chloride Lab Sample ID: 890-3952-7 I Matrix: Solid			Added 250 Spike Added	Resu 257. LCSI Resu) LCSD t Qualifier	mg/Kg Cl	ient San	103 nple ID:	90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Client S	Type: So	olub RF Lin 2 D: S

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	44.6		252	286.7		mg/Kg		96	90 - 110		
Lab Sample ID: 890-3952-7 MSD									Client S	ample I	D: S-7
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 45041											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	44.6		252	287.5		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001 Job ID: 890-3952-1

SDG: 702520.039.01

GC VOA

Prep Batch: 45053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-1	S-4R	Total/NA	Solid	5035	
890-3952-2	S-5R	Total/NA	Solid	5035	
890-3952-3	S-6	Total/NA	Solid	5035	
890-3952-4	S-6R	Total/NA	Solid	5035	
890-3952-5	S-7	Total/NA	Solid	5035	
890-3952-6	S-7	Total/NA	Solid	5035	
890-3952-7	S-7	Total/NA	Solid	5035	
890-3952-8	S-8	Total/NA	Solid	5035	
890-3952-9	S-8	Total/NA	Solid	5035	
890-3952-10	S-8	Total/NA	Solid	5035	
MB 880-45053/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45053/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45053/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 45127

890-3952-7	S-7	Total/NA	Solid	5035		
890-3952-8	S-8	Total/NA	Solid	5035		8
890-3952-9	S-8	Total/NA	Solid	5035		
890-3952-10	S-8	Total/NA	Solid	5035		9
MB 880-45053/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-45053/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-45053/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
Analysis Batch: 45127						
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-3952-1	S-4R	Total/NA	Solid	8021B	45053	
890-3952-2	S-5R	Total/NA	Solid	8021B	45053	4.0
890-3952-3	S-6	Total/NA	Solid	8021B	45053	13
890-3952-4	S-6R	Total/NA	Solid	8021B	45053	
890-3952-5	S-7	Total/NA	Solid	8021B	45053	
890-3952-6	S-7	Total/NA	Solid	8021B	45053	
890-3952-7	S-7	Total/NA	Solid	8021B	45053	
890-3952-8	S-8	Total/NA	Solid	8021B	45053	
890-3952-9	S-8	Total/NA	Solid	8021B	45053	
890-3952-10	S-8	Total/NA	Solid	8021B	45053	
MB 880-45053/5-A	Method Blank	Total/NA	Solid	8021B	45053	
LCS 880-45053/1-A	Lab Control Sample	Total/NA	Solid	8021B	45053	
LCSD 880-45053/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45053	

Analysis Batch: 45230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45239/5-A	Method Blank	Total/NA	Solid	8021B	45239
LCS 880-45239/1-A	Lab Control Sample	Total/NA	Solid	8021B	45239
LCSD 880-45239/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45239
890-3952-1 MS	S-4R	Total/NA	Solid	8021B	45239
890-3952-1 MSD	S-4R	Total/NA	Solid	8021B	45239

Prep Batch: 45239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45239/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45239/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45239/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3952-1 MS	S-4R	Total/NA	Solid	5035	
890-3952-1 MSD	S-4R	Total/NA	Solid	5035	

Analysis Batch: 45250

Lab Sample ID 890-3952-1	Client Sample ID S-4R	Prep Type Total/NA	Matrix Solid	Total BTEX	Prep Batch
890-3952-2	S-5R	Total/NA	Solid	Total BTEX	
890-3952-3	S-6	Total/NA	Solid	Total BTEX	

Eurofins Carlsbad

Page 114 of 127

QC Association Summary

Job ID: 890-3952-1 SDG: 702520.039.01

GC VOA (Continued)

Client: Talon/LPE

Analysis Batch: 45250 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-4	S-6R	Total/NA	Solid	Total BTEX	
890-3952-5	S-7	Total/NA	Solid	Total BTEX	
890-3952-6	S-7	Total/NA	Solid	Total BTEX	
890-3952-7	S-7	Total/NA	Solid	Total BTEX	
890-3952-8	S-8	Total/NA	Solid	Total BTEX	
890-3952-9	S-8	Total/NA	Solid	Total BTEX	
890-3952-10	S-8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 45228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-1	S-4R	Total/NA	Solid	8015B NM	45238
890-3952-2	S-5R	Total/NA	Solid	8015B NM	45238
890-3952-3	S-6	Total/NA	Solid	8015B NM	45238
890-3952-4	S-6R	Total/NA	Solid	8015B NM	45240
890-3952-5	S-7	Total/NA	Solid	8015B NM	45240
890-3952-6	S-7	Total/NA	Solid	8015B NM	45240
890-3952-7	S-7	Total/NA	Solid	8015B NM	45240
890-3952-8	S-8	Total/NA	Solid	8015B NM	45240
890-3952-9	S-8	Total/NA	Solid	8015B NM	45240
890-3952-10	S-8	Total/NA	Solid	8015B NM	45240
MB 880-45238/1-A	Method Blank	Total/NA	Solid	8015B NM	45238
MB 880-45240/1-A	Method Blank	Total/NA	Solid	8015B NM	45240
LCS 880-45238/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45238
LCS 880-45240/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45240
LCSD 880-45238/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45238
LCSD 880-45240/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45240

Prep Batch: 45238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-1	S-4R	Total/NA	Solid	8015NM Prep	
890-3952-2	S-5R	Total/NA	Solid	8015NM Prep	
890-3952-3	S-6	Total/NA	Solid	8015NM Prep	
MB 880-45238/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45238/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45238/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 45240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-4	S-6R	Total/NA	Solid	8015NM Prep	
890-3952-5	S-7	Total/NA	Solid	8015NM Prep	
890-3952-6	S-7	Total/NA	Solid	8015NM Prep	
890-3952-7	S-7	Total/NA	Solid	8015NM Prep	
890-3952-8	S-8	Total/NA	Solid	8015NM Prep	
890-3952-9	S-8	Total/NA	Solid	8015NM Prep	
890-3952-10	S-8	Total/NA	Solid	8015NM Prep	
MB 880-45240/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45240/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45240/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

Page 115 of 127

5

QC Association Summary

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

GC Semi VOA

Analysis Batch: 45272

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3952-1	S-4R	Total/NA	Solid	8015 NM	
890-3952-2	S-5R	Total/NA	Solid	8015 NM	
890-3952-3	S-6	Total/NA	Solid	8015 NM	
890-3952-4	S-6R	Total/NA	Solid	8015 NM	
890-3952-5	S-7	Total/NA	Solid	8015 NM	
890-3952-6	S-7	Total/NA	Solid	8015 NM	
890-3952-7	S-7	Total/NA	Solid	8015 NM	
890-3952-8	S-8	Total/NA	Solid	8015 NM	
890-3952-9	S-8	Total/NA	Solid	8015 NM	
890-3952-10	S-8	Total/NA	Solid	8015 NM	
IPLC/IC					
each Batch: 44971	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-1	S-4R	Soluble	Solid	DI Leach	
890-3952-2	S-5R	Soluble	Solid	DI Leach	
890-3952-3	S-6	Soluble	Solid	DI Leach	
890-3952-4	S-6R	Soluble	Solid	DI Leach	
890-3952-5	S-7	Soluble	Solid	DI Leach	
890-3952-6	S-7	Soluble	Solid	DI Leach	

HPLC/IC

Leach Batch: 44971

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-3952-1	S-4R	Soluble	Solid	DI Leach	
890-3952-2	S-5R	Soluble	Solid	DI Leach	
890-3952-3	S-6	Soluble	Solid	DI Leach	
890-3952-4	S-6R	Soluble	Solid	DI Leach	
890-3952-5	S-7	Soluble	Solid	DI Leach	
890-3952-6	S-7	Soluble	Solid	DI Leach	
890-3952-7	S-7	Soluble	Solid	DI Leach	
890-3952-8	S-8	Soluble	Solid	DI Leach	
890-3952-9	S-8	Soluble	Solid	DI Leach	
890-3952-10	S-8	Soluble	Solid	DI Leach	
MB 880-44971/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44971/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44971/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3952-7 MS	S-7	Soluble	Solid	DI Leach	
890-3952-7 MSD	S-7	Soluble	Solid	DI Leach	

Analysis Batch: 45041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3952-1	S-4R	Soluble	Solid	300.0	44971
890-3952-2	S-5R	Soluble	Solid	300.0	44971
890-3952-3	S-6	Soluble	Solid	300.0	44971
890-3952-4	S-6R	Soluble	Solid	300.0	44971
890-3952-5	S-7	Soluble	Solid	300.0	44971
890-3952-6	S-7	Soluble	Solid	300.0	44971
890-3952-7	S-7	Soluble	Solid	300.0	44971
890-3952-8	S-8	Soluble	Solid	300.0	44971
890-3952-9	S-8	Soluble	Solid	300.0	44971
890-3952-10	S-8	Soluble	Solid	300.0	44971
MB 880-44971/1-A	Method Blank	Soluble	Solid	300.0	44971
LCS 880-44971/2-A	Lab Control Sample	Soluble	Solid	300.0	44971
LCSD 880-44971/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44971
890-3952-7 MS	S-7	Soluble	Solid	300.0	44971
890-3952-7 MSD	S-7	Soluble	Solid	300.0	44971

Eurofins Carlsbad

Page 116 of 127

5

9

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-1 Matrix: Solid

Lab Sample ID: 890-3952-2

Lab Sample ID: 890-3952-3

Lab Sample ID: 890-3952-4

Matrix: Solid

Matrix: Solid

Date Collected: 01/19/23 10:05 Date Received: 01/24/23 13:07

Client Sample ID: S-4R

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	01/31/23 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/02/23 14:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45238	02/02/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/02/23 13:04	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:43	СН	EET MID

Client Sample ID: S-5R

Date Collected: 01/19/23 09:54

Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/02/23 14:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45238	02/02/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/02/23 13:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 12:57	СН	EET MID

Client Sample ID: S-6

Date Collected: 01/19/23 10:20 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/02/23 14:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45238	02/02/23 09:29	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/02/23 13:48	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:02	СН	EET MID

Client Sample ID: S-6R Date Collected: 01/19/23 10:26 Date Received: 01/24/23 13:07

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID

Eurofins Carlsbad

Matrix: Solid

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-4 Matrix: Solid

Lab Sample ID: 890-3952-5

Date Collected: 01/19/23 10:26 Date Received: 01/24/23 13:07

Client Sample ID: S-6R

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 03:04	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		5			45041	01/30/23 13:07	СН	EET MID

Client Sample ID: S-7 Date Collected: 01/19/23 10:30 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 03:26	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:11	СН	EET MID

Client Sample ID: S-7

Date Collected: 01/19/23 10:35 Date Received: 01/24/23 13:07

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.95 g 5 mL 45053 01/30/23 12:55 EL EET MID Total/NA 8021B 5 mL 5 mL 45127 02/01/23 01:47 MNR EET MID Analysis 1 Total/NA Total BTEX MNR Analysis 1 45250 02/02/23 11:39 EET MID Total/NA Analysis 8015 NM 45272 02/03/23 11:33 AJ EET MID 1 02/02/23 09:34 Total/NA Prep 8015NM Prep 10.02 g 10 mL 45240 DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 45228 02/03/23 03:48 AJ EET MID 1 Soluble Leach DI Leach 5.01 g 50 mL 44971 01/29/23 17:46 KS EET MID Soluble Analysis 300.0 45041 01/30/23 13:16 СН EET MID 1

Client Sample ID: S-7 Date Collected: 01/19/23 10:39 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 02:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 04:09	AJ	EET MID

Eurofins Carlsbad

Lab Sample ID: 890-3952-6

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-3952-7 Matrix: Solid

Lab Chronicle

Job ID: 890-3952-1 SDG: 702520.039.01

Lab Sample ID: 890-3952-7

Lab Sample ID: 890-3952-8

Lab Sample ID: 890-3952-9

Client Sample ID: S-7

Client: Talon/LPE

Date Collected: 01/19/23 10:39 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:21	CH	EET MID

Client Sample ID: S-8

Date Collected: 01/19/23 11:05 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 02:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 04:30	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:35	СН	EET MID

Client Sample ID: S-8 Date Collected: 01/19/23 11:09 Date Received: 01/24/23 13:07

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 03:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 04:51	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:40	СН	EET MID

Client Sample ID: S-8 Date Collected: 01/19/23 11:15 Date Received: 01/24/23 13:07

Lab Sample ID: 890-3952-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	45053	01/30/23 12:55	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45127	02/01/23 03:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45250	02/02/23 11:39	MNR	EET MID
Total/NA	Analysis	8015 NM		1			45272	02/03/23 11:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45240	02/02/23 09:34	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	45228	02/03/23 05:13	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44971	01/29/23 17:46	KS	EET MID
Soluble	Analysis	300.0		1			45041	01/30/23 13:55	СН	EET MID

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Matrix: Solid

9

Lab Chronicle

Client: Talon/LPE Project/Site: Travis Bassett-Birney #001

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Job ID: 890-3952-1 SDG: 702520.039.01

Eurofins Carlsbad

		Accreditation/Co	ertification Summary		
Client: Talon/LPE Project/Site: Travis Bas	ssett-Birney #001			Job ID: 890-3952-1 SDG: 702520.039.01	2
Laboratory: Eurofi					
	narytes for this laboratory	were covered under each acc			
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-25	06-30-23	5
The following analytes	are included in this repor	, but the laboratory is not certifi	ied by the governing authority. This list ma	av include analytes for which	5
the agency does not of		,,,,,,,		·, ·······	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					11
					13
					14

Eurofins Carlsbad

.

Client: Talon/LPE

Job ID: 890-3952-1 SDG: 702520.039.01

ethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
0.00	Anions, Ion Chromatography	EPA	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
l Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	Environmental Protection Agency 'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E	Edition, November 1986 And Its Updates.	
TAL SOP :	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory R			
EET MID :	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-544	0	

Eurofins Carlsbad

Sample Summary

Job	ID: 890-3952-1
SDG:	702520.039.01

ab Sample ID.	Client Sample ID	Matrix	Collected	Received	Depth
90-3952-1	S-4R	Solid	01/19/23 10:05	01/24/23 13:07	3'
90-3952-2	S-5R	Solid	01/19/23 09:54	01/24/23 13:07	3'
90-3952-3	S-6	Solid	01/19/23 10:20	01/24/23 13:07	1'
90-3952-4	S-6R	Solid	01/19/23 10:26	01/24/23 13:07	3'
90-3952-5	S-7	Solid	01/19/23 10:30	01/24/23 13:07	1'
90-3952-6	S-7	Solid	01/19/23 10:35	01/24/23 13:07	3'
90-3952-7	S-7	Solid	01/19/23 10:39	01/24/23 13:07	6'
90-3952-8	S-8	Solid	01/19/23 11:05	01/24/23 13:07	1'
90-3952-9	S-8	Solid	01/19/23 11:09	01/24/23 13:07	3'
90-3952-10	S-8	Solid	01/19/23 11:15	01/24/23 13:07	6'

	Xe	Xenco	Xenco	0	T m	L Paso, T L Paso, T lobbs, NN	(432) /u 'X (915) 1 (575) 3	14-5440, 585-3443 92-7550,	3, Lubboo Carlsba	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	www.xenco.com	⁵ age1 of
Project Manager: C	Chad Hensley				Bill to: (if different)	erent)	_				Work Order Comments	
	Talon LPE				Company Name	ame:				P	Program: UST/PST 🗍 PRP 🗍 Brownfields 🗌 RRC 🗋 Superfund 🗌	fields RRC Superfund
	408 W. Texas Ave	Ave.			Address:					St	State of Project:	
e ZIP:	Artesia, NM 88210	210			City, State ZIP:	ZIP:				7	Reporting: Level II 🗌 Level III 🗍 PST/UST 🗍 TRRP 🗌	
	575.746.8768			Email:	Chensley@talonlpe.com	taloni	e.com			D	Deliverables: EDD ADaPT	Other:
Project Name:	Travis Bassett-Birney #001	ett-Birney	#001	Turn	Turn Around					ANALYSIS REQUEST	ST	Preservative Codes
Project Number:	70252	702520.039.01	1	Routine	Rush	Pres. Code	e s					None: NO DI Water: H ₂ O
Project Location:	Rual C	Rual County, NM		Due Date:								Cool: Cool MeOH: Me
Sampler's Name:	Chad	Chad Hensley		TAT starts the	TAT starts the day received by	by	_					HCL: HC HNO3: HN
PO #:		NIA		the lab, if rec	eived by 4:30			_				H ₂ S0 ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	T Temp Blank:	lank:	Ver No	Wet Ice:	No	nete						H ₃ PO ₄ : HP
Samples Received Intact:			Thermometer ID:	r ID:	J-will	B						NaHSO4: NABIS
Cooler Custody Seals:	Yes No	NIA	Correction Factor:	actor:	0	Pa						Na2S2O3: NaSO3
Sample Custody Seals:		The	Temperature Reading:	Reading:	4.5	r				890-3952 Chain of Custody	dy	Zn Acetate+NaOH: Zn
Total Containers:			Corrected Temperature:	emperature:	4.1	6	 					NaUH+ASCORDIC ACID: SAPC
Sample Identification	fication	Matrix	Date Sampled	Time Sampled	Depth G	Grab/ # of Comp Cont	CL	BTEX	трн			Sample Comments
S-4R		Soil	1/19/2023	10:05	3' G	Grab/ 1	×	×	×			
S-5R		Soil	1/19/2023	9:54	3' G	Grab/ 1	×	×	×			
S-6		Soil	1/19/2023	10:20	1' G	Grab/ 1	×	×	×			
S-6R		Soil	1/19/2023	10:26	3' G	Grab/ 1	×	×	×			
S-7		Soil	1/19/2023		1' G	Grab/ 1	×	×	×			
S-7		Soil	1/19/2023	10:35	3' G	Grab/ 1	×	×	×			
S-7			1/19/2023	10:39	6' G	Grab/ 1	×	×	×			
8-S		Soil	1/10/2023	11:05	+ G	Grab/	×	×	×			
8-S			1/19/2023		3' G	Grab/ 1	×	×	×			
8-S			1/19/2023	11:15	6' G	Grab/ 1	×	×	×			
Total 200.7 / 6010	0 200.8 / 6020:	020:	8R	8RCRA 13PPM	DM Texas 11	11 AI	Sb As	Ba	Be B Cd	d 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	d Metal(s) to be	analyz	ed	TCLP / SP	TCLP / SPLP 6010: 8RCRA	8RCR/	11	As Ba	Be Co	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	Mo Ni Se Ag TI U Hg: 1631 /	Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontra of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such los of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These	cument and relinqu will be liable only fo um charge of \$85.0	ishment of or the cost 0 will be a	f samples const of samples and pplied to each	titutes a valid pu d shall not assu project and a ch	urchase order me any respon harge of \$5 for	from clien sibility for each sam	t compar any loss ple subm	y to Euro es or exp itted to E	fins Xenc enses inc urofins X		Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	
Relinquished by: (Signature)	(Signature)		Received by:	d by: (Signature)	ture)	_	Date	Date/Time		Relinquished by: (Signature)) Received by: (Signature)	re) Date/Time
- Qury		Z	Per 10	la X	tut	-	St-DS.	ÿ	130	7		
3					,	+			4			

11 12 13

Chain of Custody

🔅 eurofins

Login Sample Receipt Checklist

Client: Talon/LPE

<6mm (1/4").

Login Number: 3952 List Number: 1 Creator: Stutzman, Amanda

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.	N/A	Refer to Job Narrative for details.
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	N/A	

Eurofins Carlsbad Released to Imaging: 9/15/2023 2:48:50 PM Job Number: 890-3952-1 SDG Number: 702520.039.01

List Source: Eurofins Carlsbad

Job Number: 890-3952-1 SDG Number: 702520.039.01

List Source: Eurofins Midland

List Creation: 01/25/23 12:13 PM

Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 3952 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY	228937
One Lincoln Centre	Action Number:
Dallas, TX 75240	213269
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NMCS0314035020 TRAVIS BASSETT-BIRNEY #001, thank you. This closure is approved. 9/15/2023 rhamlet

CONDITIONS

Action 213269

Condition Date