



April 9, 2025

District Supervisor  
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, New Mexico 88210

**Re: REVISED Deferral Request  
BTA Oil Producers, LLC.  
Culebra BLV Federal Com #001H Battery Release  
Unit Letter P, Section 2, Township 22 South, Range 30 East  
Eddy County, New Mexico  
Incident ID nAB1916430115**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by BTA Oil Producers, LLC (BTA) to assess, evaluate, and remediate a historical release that occurred at the Culebra Tank Battery Facility associated with the Culebra BLV Federal Com #001H (API # 30-015-37615). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 7, Township 23 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.325710°, 104.031310°, as shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Release Report, on June 8, 2019, the Culebra BLV Federal Com #001H Tank Battery had a release of approximately 116 bbls of produced water released of which 90 bbls were recovered. This release was due to the water tanks overflowing into the tank battery containment. A Release Notification and Corrective Action (NMOCD Form C-141) was submitted. The initial C-141 form is included in Appendix A.

## LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on federal lands managed by the Bureau of Land Management (BLM). This report will be provided to the BLM.

## SITE CHARACTERIZATION

A site characterization was performed, and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential.

The Site is within a New Mexico oil and gas production area. Based on a review of the New Mexico Office of State Engineers, USGS databases, and the applicable precedent for the "discretionary" limit from the NMOCD for a 0.6-mile radius, there is one water well (C-04470-POD1) approximately 0.52 miles south of the site. The well was reportedly drilled to a depth of fifty-five (55) feet below ground surface, where no groundwater was encountered. The site characterization data are included in Appendix B.

## REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per

Tetra Tech

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19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization (medium karst designation), and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

## SITE ASSESSMENT AND PRIOR WORK

On June 26, 2023, on behalf of BTA, Charger Environmental (Charger) performed an initial site visit at the Culebra BLV Federal Com #001H Tank Battery. Between August 2023 and October 2023, the gravel inside the containment was removed manually with plastic shovels in preparation for a liner inspection. Once all the gravel inside the containment had been removed, it was discovered that the integrity of the liner had been compromised. The liner was removed to gain access to the soil for sampling. The liner was then loaded and hauled to Milestone.

On November 6, 2023, Charger collected three samples from various points around the tank battery and submitted the samples Eurofins in Midland, Texas for analysis. The results of the sampling event are summarized in Table 1. On November 22, 2023, Charger collected 15 surface samples at 0-6 inches from inside the berm and submitted them to Eurofins in Midland, Texas for analysis. The results of the sampling event are summarized in Table 2. No sample maps were provided therefore, it is unclear where the sample locations are for the November sampling event.

The purpose of the surface samples was to determine if there was any impact to the soil inside the containment that was previously covered by the gravel and liner. On May 14, 2024, 16 additional samples were collected from around the tanks located in the containment area and submitted to Eurofins in Midland, Texas for analysis. These samples were collected at a depth of 1-2 feet bgs. The results of the May 2024 sampling event are summarized in Table 3. Charger reported refusal at many of the sample points as noted by the actual sample depth within the report.

## SUMMARY OF RESULTS

In the Deferral Request, Charger noted that “due to the soil compaction from years of heavy liner and gravel and the intricate piping inside the containment that is represented in the photo log” they were requesting a deferral.

## REJECTED DEFERRAL

The Charger report was submitted to the NMOCD on June 13, 2024. The report was rejected by the NMOCD via email on July 9, 2024, with the following reasoning given:

- *Deferral denied. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example, the answer “Yes” was selected to “Requesting a remediation closure approval with this submission;” however, your attachment indicates that your intent is to request a deferral approval. If this is the case, answer “yes” to requesting a deferral of the remediation closure due date with the approval of this submission but answer “no” to requesting a remediation closure approval with this submission.*

- *If nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data must be no more than 25 years old, and well construction information must be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. The results listed in Table I were collected at “various points” according to the provided remediation summary. Pursuant to 19.15.29.12C NMAC, all delineation points are to be shown on a scaled sitemap.*
- *Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. The deferral request must specify which sample points are being requested for deferral including an explanation why the contaminants can’t be removed. The sample points in the tank battery that exceed Table I standards need to be vertically delineated. Horizontal delineation needs to occur around the tank battery (all 4 cardinal directions) to ensure the edges of the release are bound within the confines of the tank battery.*
- *In the case of a release, even a torn liner offers some protection vs. no liner. Address if there are plans to replace the liner. The attached laboratory chain of custody is unreadable as is. Resubmit report by 8/8/2024.*

A copy of the Rejected Deferral Report is included in Appendix C.

#### **ADDITIONAL ASSESSMENT AND DELINEATION ACTIVITIES**

Charger was relieved of their duties in August of 2024. In October 2024, Tetra Tech personnel were onsite to address the reasoning for rejection, including additional delineation sampling. Assessment activities conducted on October 3, 2024, included installing four (4) hand auger borings (AH-1 through AH-4) in the four cardinal directions of the battery to establish horizontal delineation.

Inside the facility berm, an additional four (4) hand auger borings (AH-5 through AH-8) were installed within “hot spots” identified by Charger within the release area to total depths ranging from 1 to 3 feet bgs. Auger refusal was met at roughly between 1 and 3 feet bgs due to the dense subsurface lithology beneath the footprint. As the latter half of these samples were collected inside an active facility, extreme caution was taken due to the proximity of tanks and production equipment in the release area footprint. Boring locations are indicated in Figure 4.

A total of eight (8) soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico (Cardinal) to be analyzed for chloride via Standard Method 4500Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix E.

Based on the subsurface lithology and the Tetra Tech additional assessment data from AH-8 (plus collected data from Charger), additional vertical delineation was required to satisfy the deferral requirements. The area of the Tetra Tech AH-8 location (and “deferral sample” 14-001 (assumed to be represented by DS14-001)) was delineated via trenching using a mini excavator and a hoe ram on October 29, 2024.

The results of the October 2024 sampling events are summarized in Table 4. All results were below reclamation requirements, apart from AH-8. Laboratory analytical data is included in Appendix E. The battery interior was largely congested with numerous subsurface electrical and production lines, as well as production equipment such as production tanks, pipelines where any remediation would require a major facility deconstruction. The area of AH-8 was vertically delineated to the most stringent action levels. Horizontal delineation has been completed in all four cardinal directions.

#### **INTERIM REMEDIAL ACTIVITIES**

On March 17, 2025, Tetra Tech personnel were onsite to supervise interim remediation activities at the Site, including excavation, disposal, and confirmation sampling. Impacted soils in the vicinity of AH-8 were

excavated as indicated in Figure 5. The areas within the release footprint were excavated to a maximum depth of 2 feet bgs using hydro-excavation. Due to safety concerns associated with working around pressurized lines and production equipment, impacted soils were excavated to the maximum extent practicable. Photographs from the excavated areas prior to backfill are provided in Appendix D. All excavated material was transported off-site for proper disposal.

The NMOCD district office was notified of the confirmation sampling events via the OCD Portal. Documentation of associated regulatory correspondence is included in Appendix E. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The analytical results were directly compared to the established Site RRALs to demonstrate compliance.

The results of the March 2025 confirmation sampling events are summarized in Table 5. All confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX, except for floor sample locations FS-1 and FS-2. Analytical results for FS-1 (2') exceeded the reclamation requirement of 100 mg/kg for TPH and the chloride reclamation requirement of 600 mg/kg. Analytical results for FS-2 (1.5') also exceeded the reclamation requirements for TPH and chloride. Deepening the excavation in these areas was not feasible based on the proximity to tanks and encroachment on production lines. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F.

## REVISED DEFERRAL REQUEST

Per NMOCD's conditions, a deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or groundwater. Remedial activities consisted of hydro excavation to remove as much contaminated soil as reasonably possible. Any additional excavation of the impacted area located within the active battery facility would cause a major facility deconstruction, in addition to creating safety risks associated with excavating near production equipment via aggressive excavation methods (i.e., backhoe/track hoe, excavators, hydraulic hammer, etc.). These interim field activities were completed safely and without any additional unwanted releases to the environment. 19.15.29.13 NMAC will be implemented when completing abandonment of the tank battery and the associated pipelines and equipment. The area requested for deferral is indicated in Figure 6. Regarding plans to replace the liner, BTA is currently evaluating the installation of a new liner at the battery site.

## CONCLUSION

As described above, the facility is currently active. The remedial work completed was successful in removing impacted soils to a depth of 1-2 feet bgs where practicable, from the release footprint. The impacts are bound horizontally in the four cardinal directions. BTA respectfully requests NMOCD approval of the remedial action executed for this release based on the confirmation sampling results and remediation activities performed. BTA does not seek closure of the incident; rather, approval of deferral until battery abandonment. Based on the proximity to oil and gas production equipment, BTA respectfully requests that further remediation of soils within the interior battery area of the facility with concentrations greater than the reclamation requirements/Site RRALs be deferred until facility deconstruction (soils within the battery areas).

Final remediation and reclamation shall take place in accordance with 19.15.29.12 NMAC once the Site is no longer being used for oil and gas production. A complete and accurate remediation report and/or reclamation report will be submitted at that time. The reclamation report will address all the requirements of 19.15.29.13 NMAC, including an executive summary of the reclamation activities; scaled site map including sampling locations; analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing if the backfill is coming from a rancher's pit or other local source and/or proof from the landfill/landfarm that their backfill is non-waste containing; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and that those areas are maintained to



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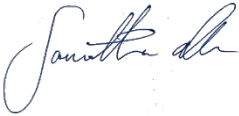
BTA Oil Producers, LLC.

control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.

Subsequent to the approval of the reclamation plan, a revegetation report will be submitted, including pictures of the revegetated areas, once the site meets the requirements for vegetation cover found in 19.15.29.13 D. (3) NMAC. Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used as long as the requirements of the surface owner provide equal or better protection of freshwater, human health and the environment.

Thus, BTA requests deferral of the remaining impacted soils associated with the Culebra BLV Federal Com #001H Battery Release within the bermed area, in the vicinity of the tank batteries and production equipment. The completed C-141 forms are enclosed as Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 788-2948 or Christian at (512) 338-2861.

Sincerely,  
**Tetra Tech, Inc.**



Samantha Allen  
Project Manager



Christian M, Llull, P.G.  
Senior Project Manager

cc:  
Mr. Ray Ramos – BTA

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Culebra BLV Federal Com #001H Battery Release  
April 9, 2025

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## LIST OF ATTACHMENTS

### Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Site Assessment (Charger)
- Figure 4 – Additional Assessment (TT)
- Figure 5 – Remediation and Confirmation Sampling
- Figure 6 – Deferral Area

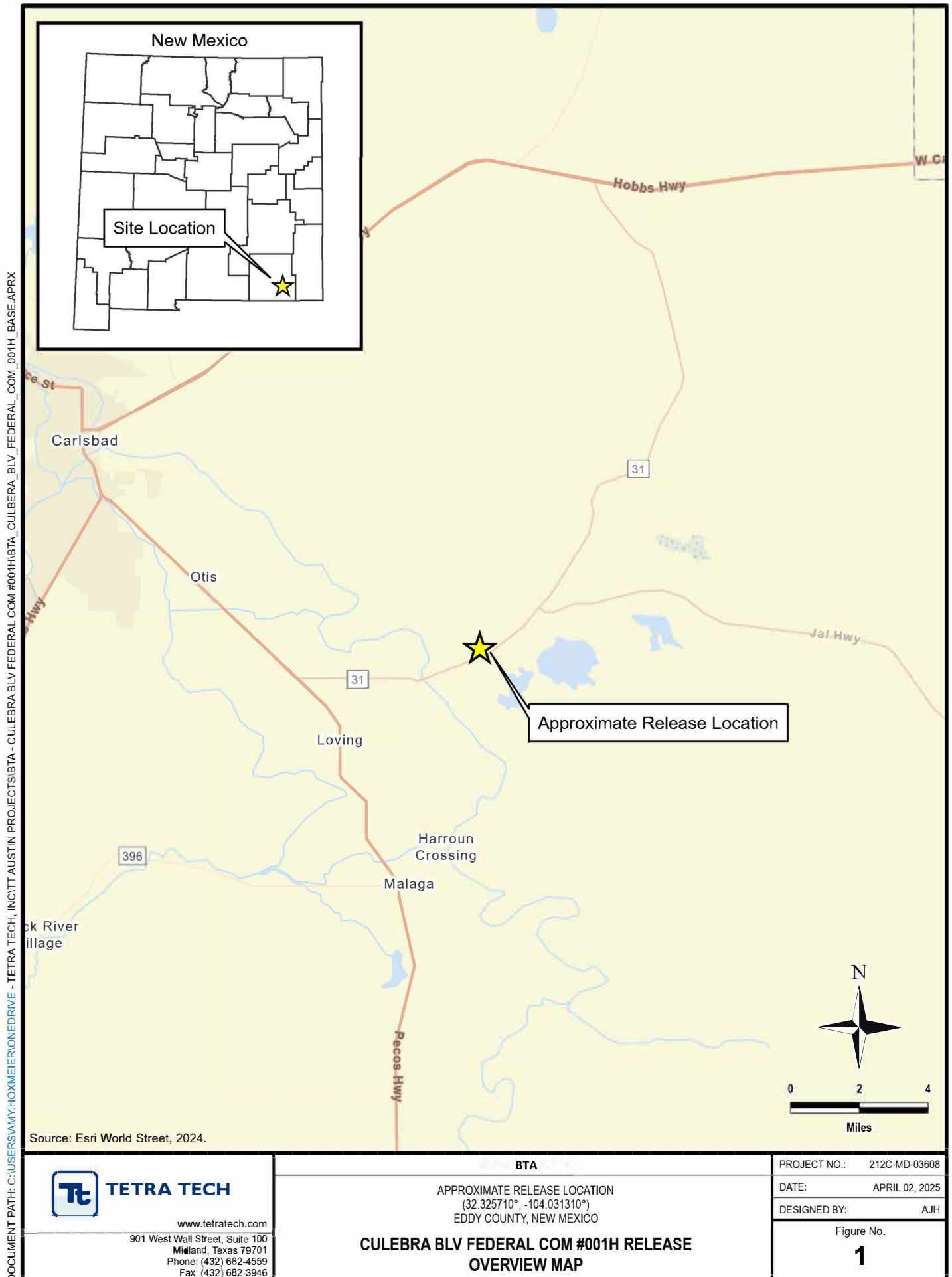
### Tables:

- Table 1 – Summary of Analytical Results – Charger Soil Assessment
- Table 2 – Summary of Analytical Results – Charger Additional Assessment
- Table 3 - Summary of Analytical Results – Charger Additional Assessment
- Table 4 - Summary of Analytical Results – Tetra Tech Additional Assessment
- Table 5 – Summary of Analytical Results – Confirmation Sampling

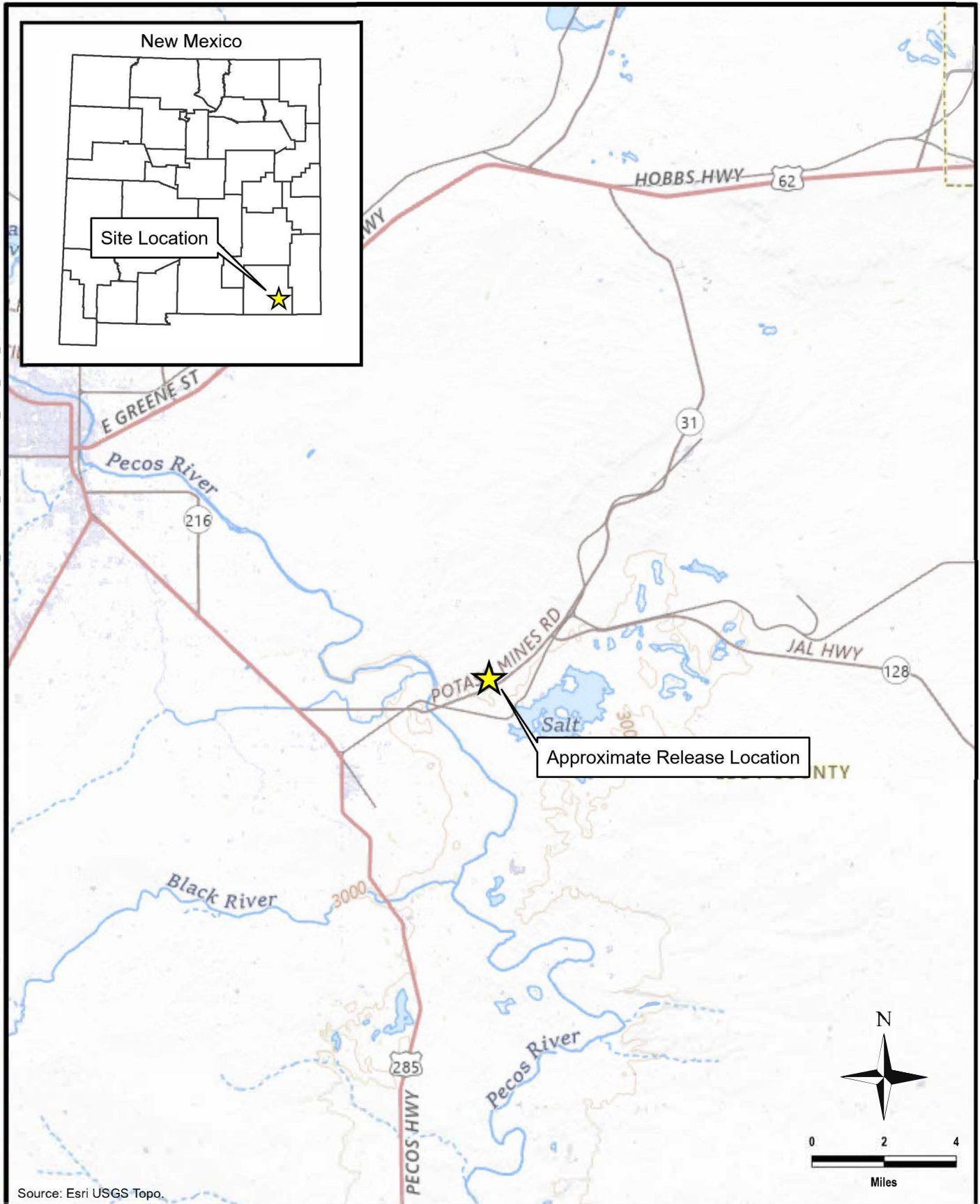
### Appendices:


- Appendix A – Initial C-141 Form
- Appendix B – Site Characterization
- Appendix C – Rejected Deferral Request
- Appendix D – Photographic Documentation
- Appendix E – Regulatory Correspondence
- Appendix F – Analytical Laboratory Reports

## **FIGURES**



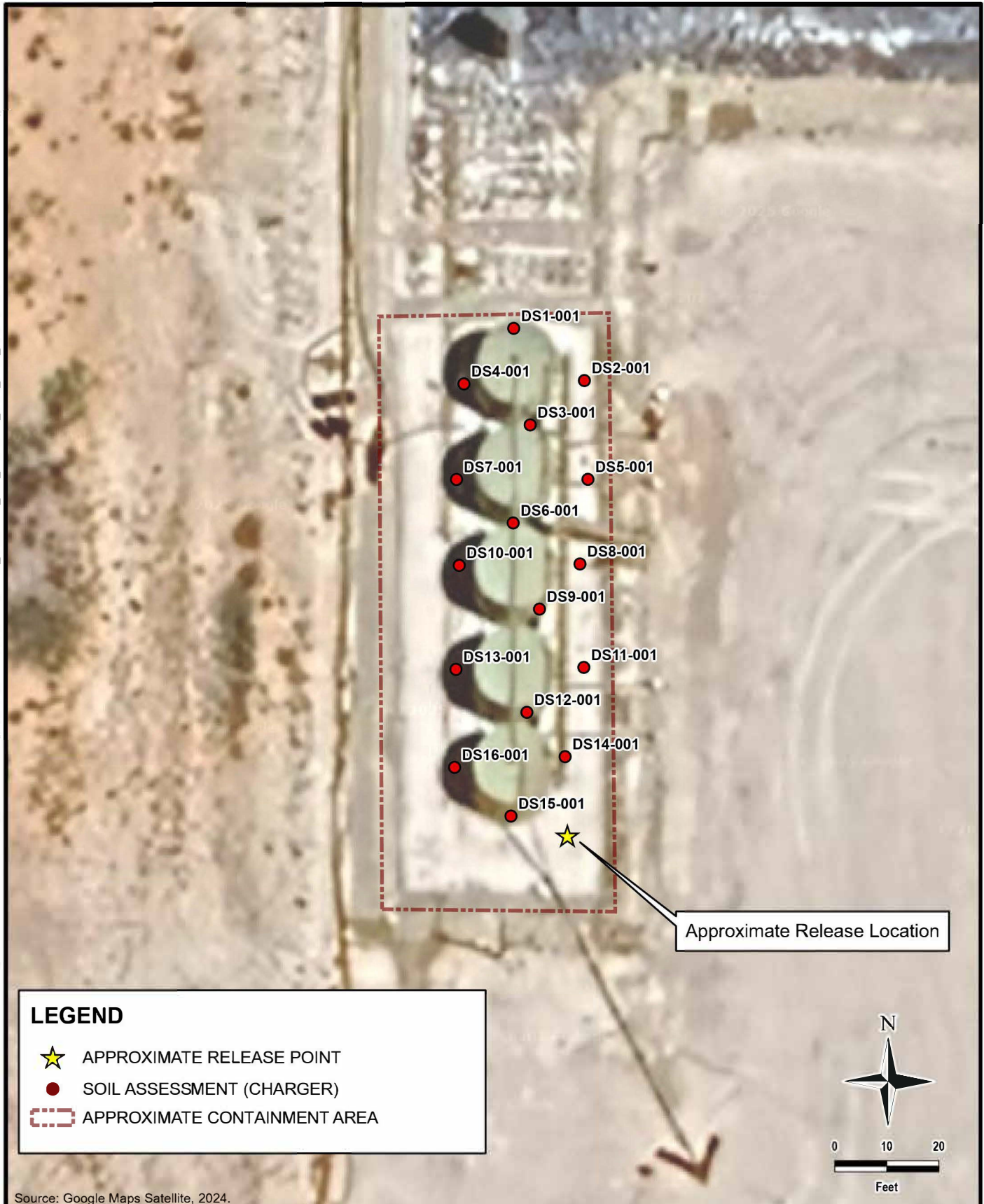
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<div> <b>TETRA TECH</b></div> <div><a href="http://www.tetrattech.com">www.tetrattech.com</a></div> <div>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</div>	<b>BTA</b>	PROJECT NO.: 212C-MD-03608
	APPROXIMATE RELEASE LOCATION (32.325710°, -104.031310°) EDDY COUNTY, NEW MEXICO	DATE: APRIL 02, 2025
	<b>CULEBRA BLV FEDERAL COM #001H RELEASE TOPOGRAPHIC MAP</b>	DESIGNED BY: AJH
		Figure No. <b>2</b>




DOCUMENT PATH: C:\USERS\AMY.HOXMEIER\ONE DRIVE - TETRA TECH, INC\TIT AUSTIN PROJECTS\BTA - CULEBRA BLV FEDERAL COM #001H\BTA\_CULBERA\_BLV\_FEDERAL\_COM\_001H\_BASE.APRX



 <b>TETRA TECH</b> <a href="http://www.tetrattech.com">www.tetrattech.com</a> 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	<p align="center">BTA</p> <p align="center">APPROXIMATE RELEASE LOCATION            (32.325710°, -104.031310°)            EDDY COUNTY, NEW MEXICO</p> <p align="center"><b>CULEBRA BLV FEDERAL COM #001H RELEASE            SITE ASSESSMENT (CHARGER)</b></p>	<p>PROJECT NO.: 212C-MD-03608</p> <p>DATE: APRIL 02, 2025</p> <p>DESIGNED BY: AJH</p> <p align="center">Figure No.  <b>3</b></p>
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 <b>TETRA TECH</b> <a href="http://www.tetratech.com">www.tetratech.com</a> 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	<b>BTA</b>		PROJECT NO.: 212C-MD-03608
	APPROXIMATE RELEASE LOCATION (32.325710°, -104.031310°) EDDY COUNTY, NEW MEXICO		DATE: APRIL 02, 2025
	<b>CULEBRA BLV FEDERAL COM #001H RELEASE ADDITIONAL ASSESSMENT (TETRA TECH)</b>		DESIGNED BY: AJH
			Figure No. <b>4</b>





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**LEGEND**

-  BTA - CULEBRA BLV FEDERAL COM #001H
-  DEFERRAL AREA



Source: Google Maps Satellite, 2024.



**TETRA TECH**

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Phone: (432) 682-4559  
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BTA

APPROXIMATE RELEASE LOCATION  
(32.325710°, -104.031310°)  
EDDY COUNTY, NEW MEXICO

**CULEBRA BLV FEDERAL COM #001H RELEASE  
DEFERRAL AREA**

PROJECT NO.: 212C-MD-03608

DATE: APRIL 02, 2025

DESIGNED BY: AJH

Figure No.

**6**

## **TABLES**



TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - nAB1916430115  
BTA OIL,LLC  
CULEBRA BLV FEDERAL COM #001H  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>														TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		m,p-Xylenes		o-Xylene		Total Xylenes		Total BTEX		C6-C10		C10-C28		C28-C36		Total TPH	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		
B1-001	11/4/2023	0-6"	178		<0.00198		<0.00198		<0.00198		<0.00396		<0.00198		<0.00396		<0.00396		<50.3		<50.3		<50.3			
B2-002	11/4/2023	0-6"	70		<0.00200		<0.00200		<0.00200		<0.00399		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8			
B3-003	11/4/2023	0-6"	6.99		<0.00199		<0.00199		<0.00199		<0.00398		<0.00199		<0.00398		<0.00398		<49.6		<49.6		<49.6			

NOTES:

ft.      Feet

bgs     Below ground surface

mg/kg   Milligrams per kilogram

TPH    Total Petroleum Hydrocarbons

GRO    Gasoline range organics

DRO    Diesel range organics

MRO    Motor Oil range organics

NS      Sample not analyzed for parameter

1        EPA Method 300.0

2        EPA Method 8021B

3        Method SW8015 Mod

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - nAB1916430115  
BTA OIL,LLC  
CULEBRA BLV FEDERAL COM #001H  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>	BTEX <sup>2</sup>							TPH <sup>3</sup>			
				Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	Total BTEX	C6-C10	C10-C28	C28-C36	Total TPH
		ft. bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BH-001	11/22/2023	0-6"	346	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.7	82.2	<49.7	82
BH-002	11/22/2023	0-6"	796	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.3	53.7	<50.3	53.7
BH-005	11/22/2023	0-6"	638	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.5	61.2	<50.5	61.2
BH-006	11/22/2023	0-6"	265	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.6	111	<49.6	111
BH-007	11/22/2023	0-6"	147	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	<0.00.98	<49.9	178	<49.9	178
BH-008	11/22/2023	0-6"	123	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.4	69.8	<50.4	69.8
BH-009	11/22/2023	0-6"	97	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.5	93.7	<50.5	93.7
BH-010	11/22/2023	0-6"	31.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	90.2	<50.0	90.2
BH-011	11/22/2023	0-6"	164	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9
BH-012	11/22/2023	0-6"	127	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.6	<49.6	<49.6	<49.6
BH-013	11/22/2023	0-6"	77.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6
BH-014	11/22/2023	0-6"	122	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.2	<50.2	<50.2	<50.2
BH-015	11/22/2023	0-6"	107	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.4	<65.5	<50.4	<65.5
BH-016	11/22/2023	0-6"	469	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.4	<50.4	<50.4	<50.4
BH-017	11/22/2023	0-6"	123	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	186	61.5	248

- NOTES:
- ft. Feet
  - bgs Below ground surface
  - mg/kg Milligrams per kilogram
  - TPH Total Petroleum Hydrocarbons
  - GRO Gasoline range organics
  - DRO Diesel range organics
  - MRO Motor Oil range organics
  - NS Sample not analyzed for parameter
  - 1 EPA Method 300.0
  - 2 EPA Method 8021B
  - 3 Method SW8015 Mod

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT - nAB1916430115  
BTA OIL, LLC  
CULEBRA BLV FEDERAL COM #001H  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>	BTEX <sup>2</sup>							TPH <sup>3</sup>			
				Benzene	Toluene	Ethylbenzene	m,p-Xylenes	o-Xylene	Total Xylenes	Total BTEX	C6-C10	C10-C28	C28-C36	Total TPH
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DS1-001	5/14/2024	1.5	81	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9
DS2-001	5/14/2024	1.5	569	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8
DS3-001	5/14/2024	1.5	2,230	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8
DS4-001	5/14/2024	1.5	203	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9
DS5-001	5/14/2024	1.5	478	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<49.8	76.7	<49.8	76.7
DS6-001	5/14/2024	1.5	303	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.7	<49.7	<49.7	<49.7
DS7-001	5/14/2024	1.5	175	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.8	<49.8	<49.8	<49.8
DS8-001	5/14/2024	1.5	106	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<49.7	54.8	<49.7	54.8
DS9-001	5/14/2024	1.5	534	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6
DS10-001	5/14/2024	1.5	5.19	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.7	<49.7	<49.7	<49.7
DS11-001	5/14/2024	1.5	77.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.7	124	<49.7	124
DS12-001	5/14/2024	1.5	643	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8
DS13-001	5/14/2024	1.5	5.49	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7
DS14-001	5/14/2024	1	133	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.7	2,140	<49.7	2,140
DS15-001	5/14/2024	1.5	22.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8
DS16-001	5/14/2024	1	<4.99	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8

- NOTES:
- ft. Feet
  - bgs Below ground surface
  - mg/kg Milligrams per kilogram
  - TPH Total Petroleum Hydrocarbons
  - GRO Gasoline range organics
  - DRO Diesel range organics
  - MRO Motor Oil range organics
  - NS Sample not analyzed for parameter
  - 1 EPA Method 300.0
  - 2 EPA Method 8021B
  - 3 Method SW8015 Mod

TABLE 4  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT- nAB1916430115  
BTA OIL PRODUCERS, LLC  
CULEBRA BLV FEDERAL COM #001 RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride		BTEx <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
															C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>		> C <sub>28</sub> - C <sub>36</sub>			
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	10/3/2024	1	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-2	10/3/2024	1	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-3	10/3/2024	1	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-4	10/3/2024	1	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-5	10/3/2024	2-2.5	592		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-6	10/3/2024	2-2.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-7	10/3/2024	2-2.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-8	10/3/2024	2-2.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		65.5		7,530		1,190		8,785.50	
T-1	10/29/2024	3-4	-		-		-		-		-		-		<10.0		11.7		<10.0		11.7	
		6-7	-		-		-		-		-		-		<10.0		<10.0		<10.0		-	
		9-10	-		-		-		-		-		-		<10.0		14.7		<10.0		14.7	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

***Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.***

Shaded rows indicate intervals proposed for excavation.

TABLE 5  
SUMMARY OF ANALYTICAL RESULTS  
SOIL REMEDIATION - nAB1916430115  
BTA OIL PRODUCERS, LLC  
CULEBRA BLV FEDERAL COM #001 RELEASE  
EDDY COUNTY, NM

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEx <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEx		Gro		Dro		Ext Dro		Total TPH (Gro+Dro+Ext Dro)	
		C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>											> C <sub>28</sub> - C <sub>36</sub>							
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
FS-1	3/17/2025	2	1,500		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		617		143		760	
FS-2	3/17/2025	1.5	3,000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		776		210		986	
SSW-1	3/17/2025	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
ESW-1	3/17/2025	-	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
NSW-1	3/17/2025	-	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
WSW-1	3/17/2025	-	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

***Bold and italicized values indicate exceedance of proposed Remediation RRALs and Reclamation Requirements.***

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

\* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().



## **APPENDIX A 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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297
Contact Name: Bob Hall	Contact Telephone: 432-682-3753
Contact email: bhall@btaoil.com	Incident # (assigned by OCD)
Contact mailing address: 104 S. Pecos St., Midland, TX 79701	

### Location of Release Source

Latitude: 32.38500° Longitude: -103.46748°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Grama 8817 16-9 Fed Com #5H Tank Battery	Site Type: Tank Battery
Date Release Discovered: 5/15/2020	API# (if applicable) Nearest well: Grama 8817 Fed Com #5H API #30-025-43871

Unit Letter	Section	Township	Range	County
P	16	22S	34E	Lea

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

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 260 BBL	Volume Recovered (bbls) 260 BBL
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

The body of a dump valve on the Grama #5H separator washed out. A total of 260 BBL fluid was released into the secondary containment of the tank battery where this separator vessel sat.

The volume was determined by measurement of the volume of fluid recovered by vacuum truck. The entire release was contained inside of the secondary containment for the tank battery built for the production equipment.

Form C-141

State of New Mexico  
Oil Conservation Division

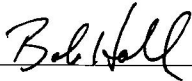
Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  The spill volume was greater than 25 BBL, which the NMOCD Rules define as a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>No.</b> I was notified of this release on 5/18/2020. The initial notification is provided by email distribution of the C-141 Initial Report and Response to NMOCD and BLM personnel overseeing the area.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:   
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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: <b>Bob Hall</b> Title: <b>Environmental Manager</b>  Signature: <u></u> Date: <b>5/18/2020</b>  email: <b>bhall@btaoil.com</b> Telephone: <b>432-682-3753</b>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____

## **APPENDIX B**

### **Site Characterization Data**



# NM OCD - Karst Map

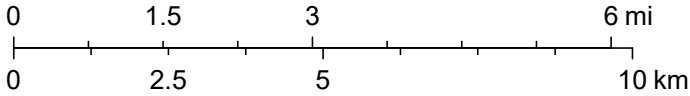


11/1/2024, 12:24:26 PM

1:144,448

Karst Occurrence Potential

- High
- Medium
- Low
- Critical Karst Resource Area



BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, Earthstar Geographics





2904 W 2nd St.  
Roswell, NM 88201  
voice: 575.624.2420  
fax: 575.624.2421  
www.atkinseng.com

09/14/2020

DII-NMOSE  
1900 W 2<sup>nd</sup> Street  
Roswell, NM 88201

*Hand Delivered to the DII Office of the State Engineer*

Re: Well Record C-4470 Pod1 and Plugging Record

To whom it may concern:

Attached please find a Well Record and Plugging Record, in duplicate, for C-4470 POD1, a boring that did not encountered water, was not converted permanently and plugged.

If you have any questions, please contact me at 575.499.9244 or [lucas@atkinseng.com](mailto:lucas@atkinseng.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

USE OF SEP 14 2020 10:58



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE 07 SB-1 4-2020-2-108

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1( SB-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4470			
	WELL OWNER NAME(S) Marathon Oil				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 4111 S. Tidwell				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32°	MINUTES 19"	SECONDS 4.43'	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - FLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW L3 Sec. 07 T23S R29E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 09/03/2020		DRILLING ENDED 09/03/2020		DEPTH OF COMPLETED WELL (FT) Temporary-Removed	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) none	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) none		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	35	±8.5	2" Sch. 40 PVC Riser	Flush Thread 2 TPI	2.067	0.154	--
	35	55	±8.5	2" Sch. 40 PVC Screen	Flush Thread 2 TPI	2.067	0.154	.020
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. <u>C-4470</u>	POD NO. <u>1</u>	TRN NO. <u>1077182</u>
LOCATION <u>23S.29E.7.313</u>	WELL TAG ID NO. <u>—</u>	PAGE 1 OF 2





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

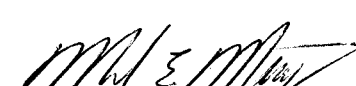
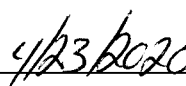
SEVEN EIGHT TWO

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. Well Tag ID Not Issued		OSE FILE NO(S). C 04418			
	WELL OWNER NAME(S) WPX Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 19	SECONDS 29.6	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -104	02	33.7	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE C-12-23S-28E; Longview Federal 12-15								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1789		NAME OF LICENSED DRILLER Mark Mumby			NAME OF WELL DRILLING COMPANY HRL Compliance Solutions		
	DRILLING STARTED 3/31/2020	DRILLING ENDED 3/31/2020	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Water was not encountered			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Water was not present in the well after 48-hour			
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6.25	Blank PVC	Flush Thread	2.0	0.154	0.010
	45	55	6.25	Factory Slotted PVC Screen	Flush Thread	2.0	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				No Annular Seal Material or Gravel Pack	None			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-4418	POD NO.	1	TRN NO.	670356
LOCATION	214	T23S R28E Sec12	WELL TAG ID NO.	NA	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	55	55	Silt/Sand with Interbedded caliche	Y    ✓ N	0.00
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: Water Not Encountered					TOTAL ESTIMATED WELL YIELD (gpm):                  0.00	
<b>5. TEST; RIG SUPERVISION</b>	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Well was drilled to determine depth to groundwater in the area. The well was a temporary well. The well was monitored for the presence of water 48-hours after drilling was complete; water was not encountered in the well at this time. The well was subsequently abandoned on 4/3/2020.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Kalvin (Kelly) Padilla					
<b>6. SIGNATURE</b>	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Mark Mumby <div style="text-align: right;">               DATE           </div>		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-4418	POD NO.	1
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2
214 T235 R38E S. 12		11A	

John R. D Antonio, Jr., P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 670356  
File Nbr: C 04418  
Well File Nbr: C 04418 POD1

Jun. 09, 2020

LYNDA LAUMBACH  
WPX ENERGY  
5315 BUENA VISTA DRIVE  
CARLSBAD, NM 88220

Greetings:

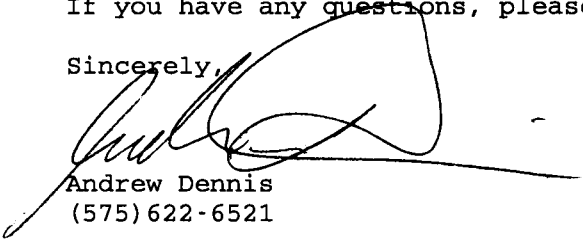
The above numbered permit was issued in your name on 03/26/2020.

The Well Record was received in this office on 05/26/2020, stating that it had been completed on 03/31/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/26/2021.

If you have any questions, please feel free to contact us.

Sincerely,

  
Andrew Dennis  
(575) 622-6521

drywell





# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C 04418

Well owner: WPX Energy Phone No.: \_\_\_\_\_

Mailing address: 5315 Buena Vista Drive

City: Carlsbad State: NM Zip code: 88220


## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: HRL Compliance Solutions
- 2) New Mexico Well Driller License No.: 1789 Expiration Date: 12/20/2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Kalvin (Kelly) Padilla
- 4) Date well plugging began: 4/3/2020 Date well plugging concluded: 4/3/2020
- 5) GPS Well Location: Latitude: 32 deg, 19 min, 29.6 sec  
Longitude: -104 deg, 02 min, 33.7 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),  
by the following manner: Measuring Tape
- 7) Static water level measured at initiation of plugging: > 55 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: Not Applicable
- 9) Were all plugging activities consistent with an approved plugging plan? Not Applicable If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

31 MAY 2020

- For each interval plugged, describe within the following columns:**

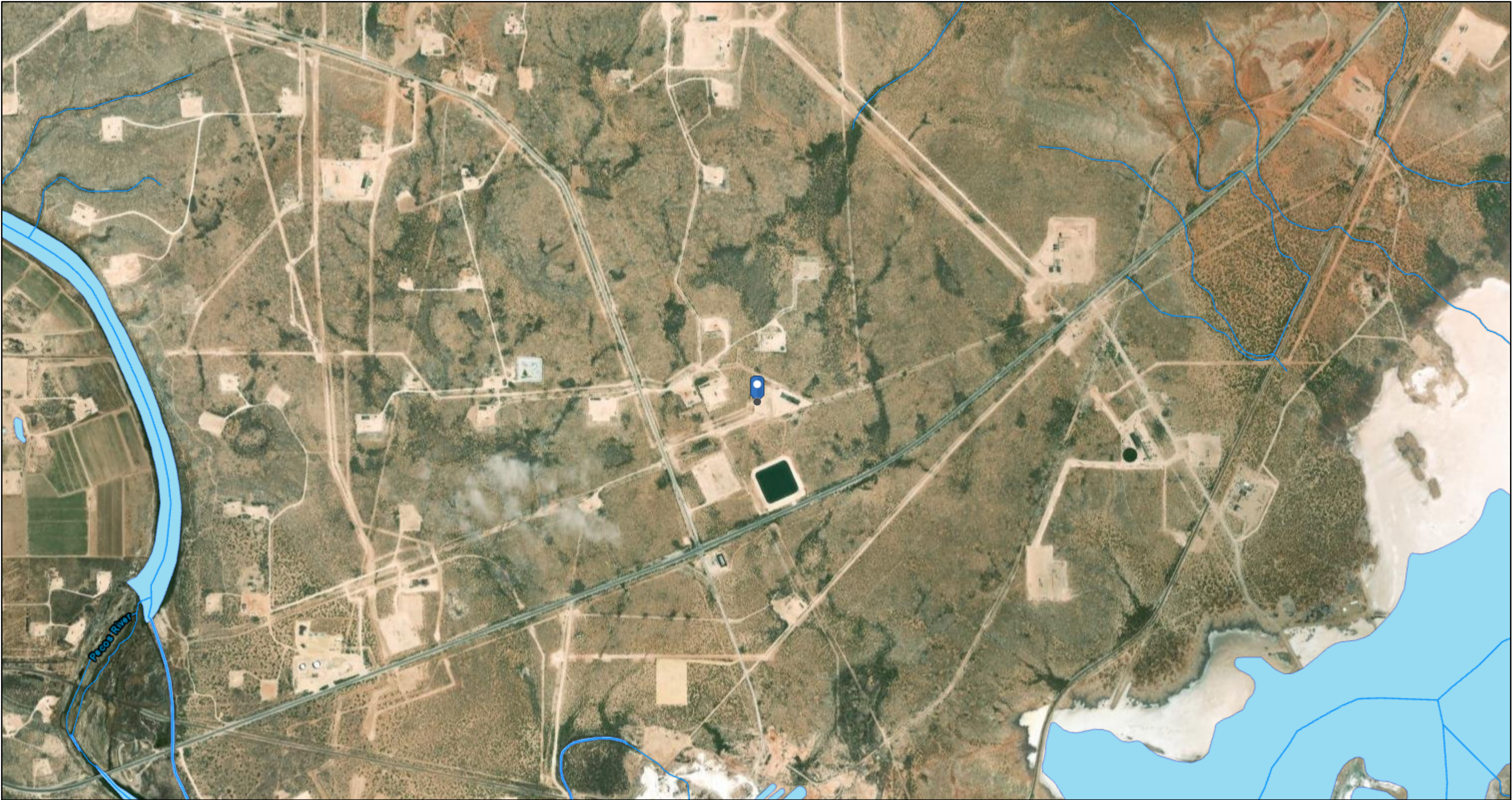
**III. SIGNATURE:**

  
Signature of Well Driller



4/23/2020  
Date

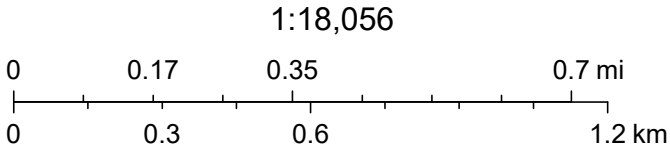


# NM OCD - Hydrology Map



11/1/2024, 12:23:48 PM

-  OSW Water Bodys
-  OSE Streams



Esri, HERE, Garmin, IPC, Maxar, NM OSE





## National Wetlands Inventory Map



November 1, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



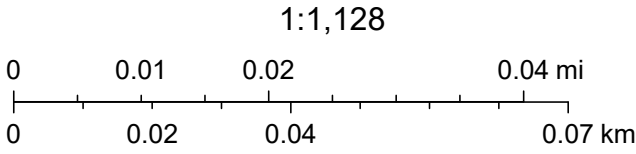
# NM OCD - Surface Ownership Map



11/1/2024, 12:23:02 PM

Land Ownership

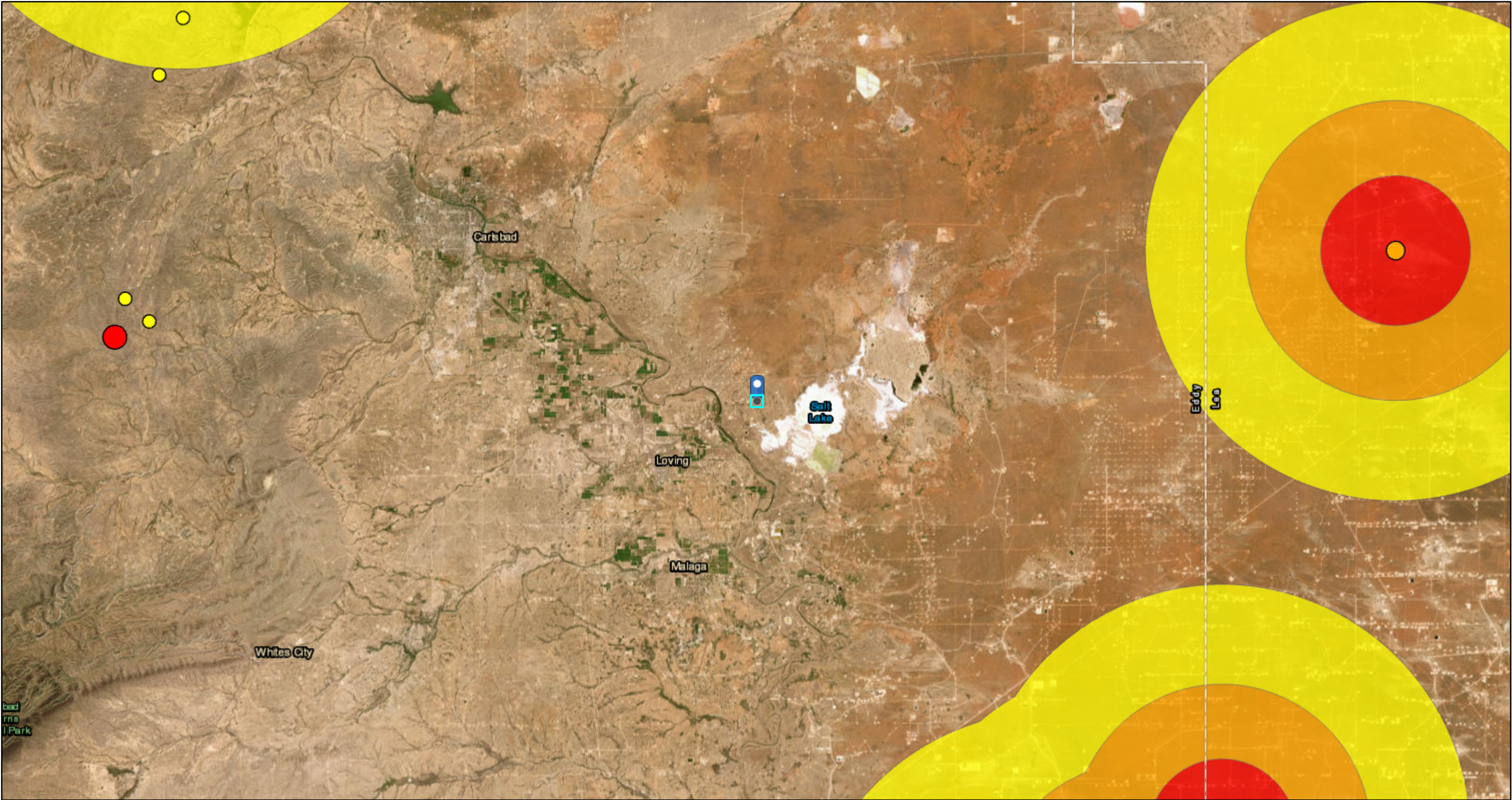
BLM



U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC



# NM OCD - Induced Seismicity Map



11/1/2024, 12:25:00 PM

Seismic Response 3.0 to 3.4

3 mi.

6 mi.

10 mi.

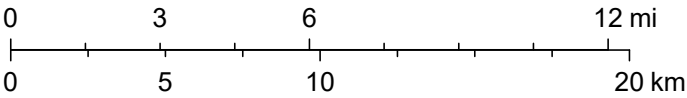
M2.5+ Earthquakes (2021+)

2.5 - 2.9

3.0 - 3.4

3.5 and above

1:288,895



Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, HERE, Garmin, Earthstar Geographics



# National Flood Hazard Layer FIRMette



104°2'11"W 32°19'48"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°1'34"W 32°19'17"N

Released to Imaging: 5/5/2025 2:14:24 PM

Basemap Imagery Source: USGS National Map 2023

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



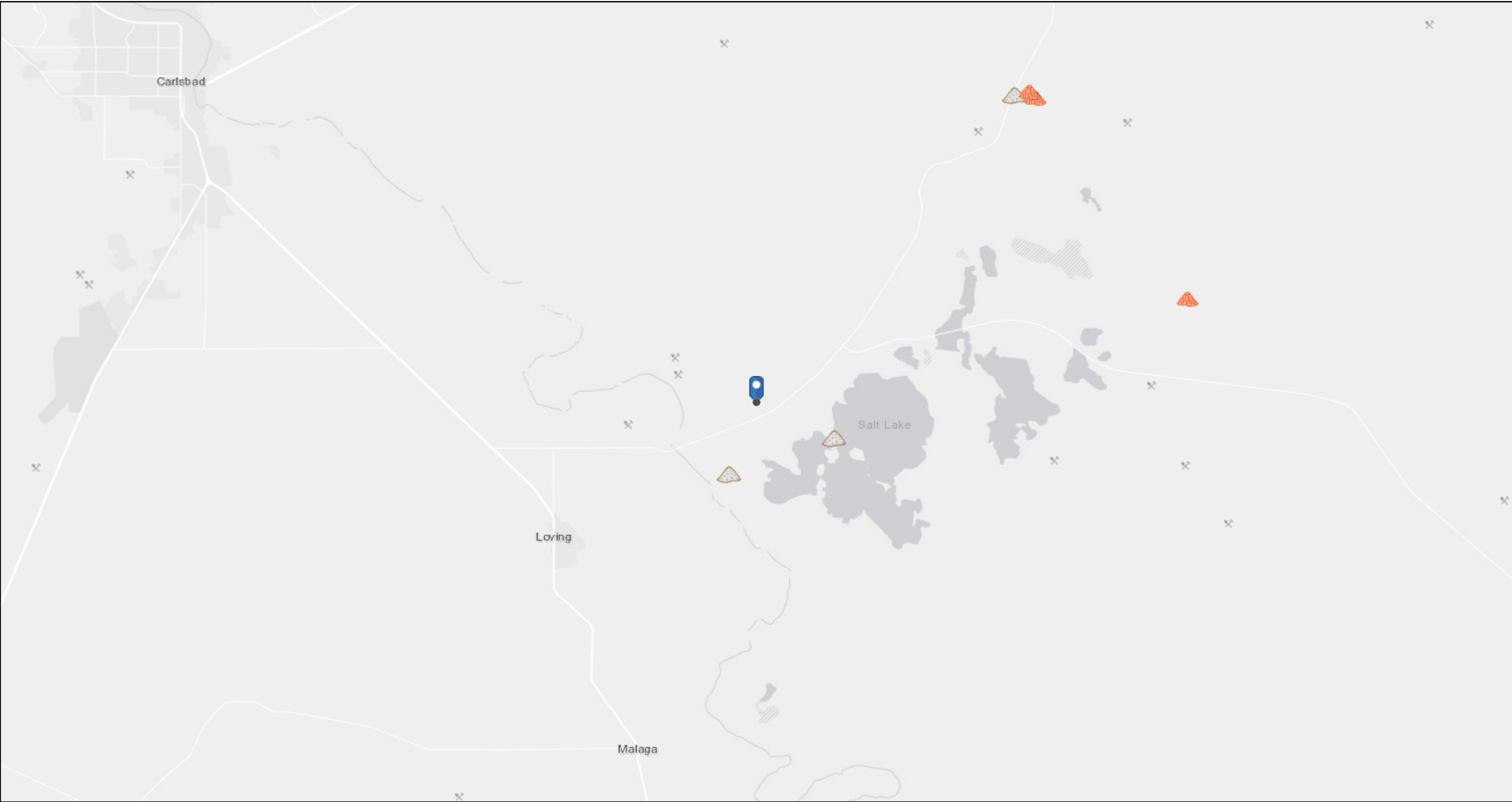
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/1/2024 at 5:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Active Mines in New Mexico



11/1/2024, 12:54:57 PM

1:144,448

Registered Mines

- x


Aggregate, Stone etc.

x


Aggregate, Stone etc.

x

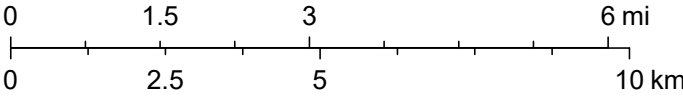
Aggregate, Stone etc.



Potash



Salt



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, USGS, EPA, NPS, Esri, HERE, NPS



## **APPENDIX C**

### **Rejected Deferral Request**



**DEFERRAL REQUEST**

Property:

**Culebra BLV Federal Com #001H  
Eddy County, New Mexico  
Latitude 32.32571 North, Longitude -104.03131 West**

**New Mexico EMNRD OCD Incident ID No.  
nAB1916430115**

June 04, 2024  
Charger Services Project No. 94BTAA103

Prepared for:

**BTA Oil Producers, LLC.  
104 S. Pecos Street  
Midland, Texas 79701**

Prepared by:

A handwritten signature in blue ink, appearing to read 'M. Gipson', is positioned above a horizontal line.

Marcus Gipson  
Environmental Operations Manager  
Charger Services, LLC. | Environmental  
23 West | Midland, TX 79701 |  
chargerservices.comom



## Deferral Request

### TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
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### LIST OF APPENDICES

#### Appendix A: Figures

- Figure 1 Topographic Map
- Figure 2 Site Vicinity Map
- Figure 3 Site Map with Soil Sample Location

#### Appendix B: Siting Figures and Documentation

- Figure A 1.0 Mile Radius Water Well/POD Location Map  
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- Figure B Radius Cathodic Wells and Mines
- Figure C 300 Foot Radius Watercourse and Drainage
- Figure D Identification 300 Foot Radius Occupied Structure
- Figure E Water Well and Natural Spring Location
- Figure F Wetlands
- Figure G Mines, Mills and Quarries
- Figure H 100 Year Flood Plan

#### Appendix C: Photographic Documentation

#### Appendix D: Table I - Soil Analytical Summary

#### Appendix E: Laboratory Data Sheets & Chain of Custody Documentation



## Deferral Request

## 1.0 INTRODUCTION

### 1.1 Site Description

<b>Operator:</b>	BTA Oil Producers, LLC.
<b>Site Name:</b>	Culebra BLV Federal Com #100H
<b>Incident ID</b>	nAB1916430115
<b>Location:</b>	32.32571° North, -104.03131° West D-07-23S-29E Eddy County, New Mexico
<b>Property:</b>	Federal
<b>Regulatory:</b>	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

### 1.2 Background

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Release Report, on June 8th, 2019, the Culebra BLV Federal Com #1H Tank Battery had a release of approximately 116 BBL of produced water released of which 90 BBL were recovered. This release was due to the water tanks over filling into a lined containment for the tank battery. It was proposed in the C-141 that the gravel inside the lined containment should be removed for a liner inspection. A Release Notification and Corrective Action (NMOCD Form C-141) were submitted.

### 1.3 Project Objective

Following the initial site visit BTA Oil Producers, LLC (BTA) contacted Charger Environmental (Charger) to assess the site and ultimately propose a plan for closure or deferment. Charger, on behalf of BTA, has prepared this Deferral Request Report.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in Appendix A.

## 2.0 DEFERRAL ACTIVITIES

### 2.1 Site Assessment and Delineation

On June 26th, 2023, Charger Environmental (Charger) performed an initial site visit at the Culebra BLV Federal Com #001H Tank Battery which included mapping the area mentioned in the C-141(pAB1916429833) filed on 6/10/2019 and taking initial photographs.





## Deferral Request

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Between August 2023 and October 2023, the gravel inside the containment was removed manually with plastic shovels in preparation for a liner inspection. Once all the gravel inside the containment had been removed it had been discovered that the integrity of the liner had been compromised and should be removed to gain access to the soil for sampling. The liner was then loaded and hauled to Milestone.

On November 6th, 2023, three background samples were collected from various points around the tank battery and submitted to Eurofins located in Midland, Texas for analysis.

On November 22nd, 2023, 15 surface samples were collected at 0-6 inches and sent to Eurofins located in Midland, Texas. The purpose of the surface samples was to determine if there was any impact to the soil inside the containment that was previously covered by the gravel and liner.

On May 14th, 2024, 16 deferral samples were collected from around the tanks located in the containment area and sent to Eurofins located in Midland, Texas. The deferral samples were collected with the goal being 2 feet out from the tanks and at a depth of 2 feet. Resistance was encountered at many of the sample points as noted by the actual sample depth described on the analytical table.

## 2.2 Deferral Request

Due to the soil compaction from years of heavy liner and gravel and the intricate piping inside the containment that is represented in the Photo Log we are requesting a deferral at this location. To remediate the soil at this time would require dismantling the storage tanks and all associated piping located inside the berm resulting in major facility deconstruction.

## 3.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

### 3.1 Standard of Care

Chargers services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Charger Services, LLC. makes no warranties, express or implied, as to the services performed hereunder. Additionally, Charger Services, LLC. does not warrant the work of third parties, laboratories, regulatory agencies or other third parties).

### 3.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-Site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents



#### Deferral Request

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may have been latent, inaccessible, unobservable, or not present during these services, and Charger Services, LLC. cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Charger Services, LLC. findings and recommendation are based solely upon data available to Charger Services, LLC. at the time of these services.

### 3.3 Reliance

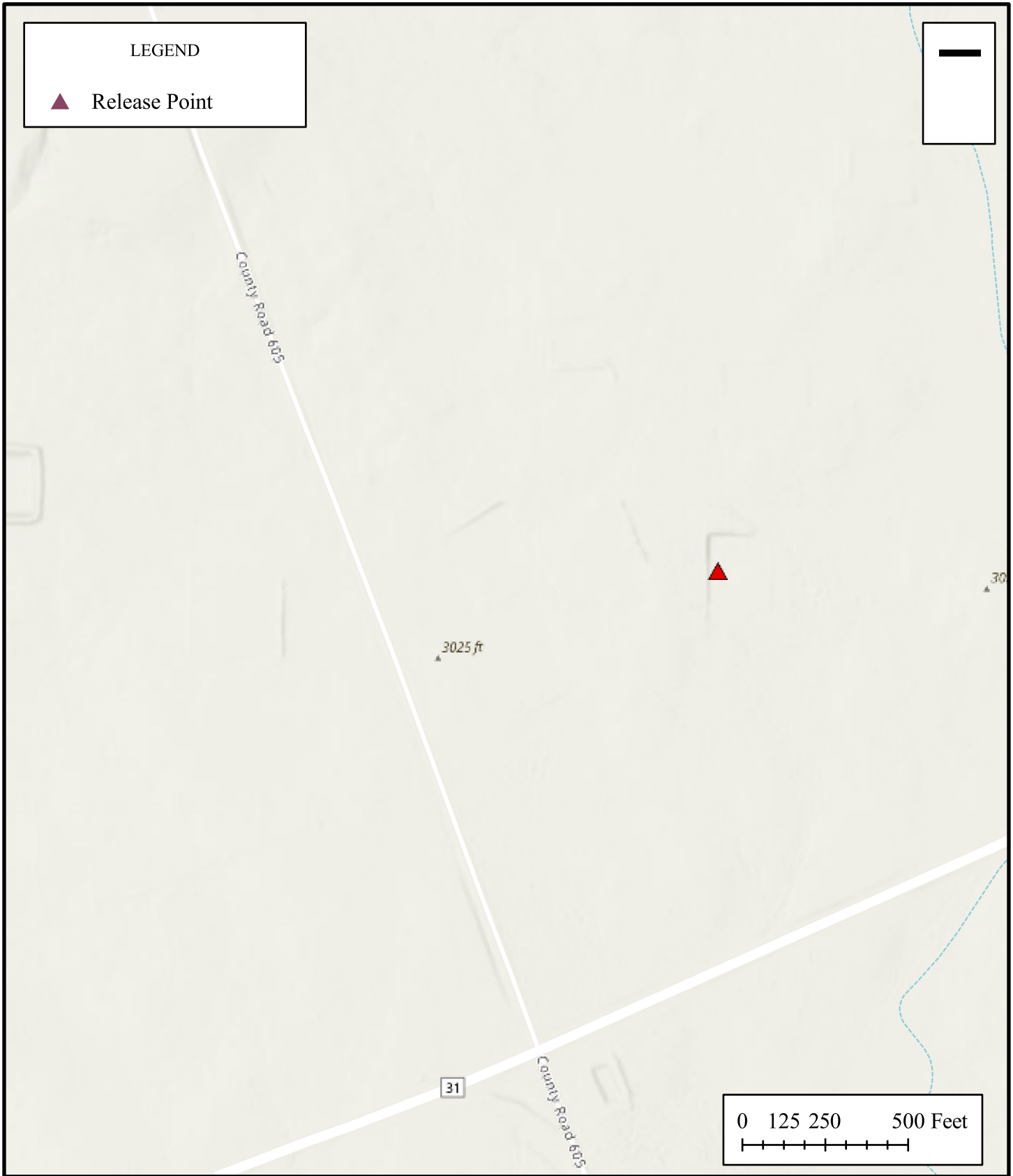
This report has been prepared for the exclusive use of BTA Oil Producers, LLC. and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of BTA Oil Producers, LLC. and Charger Services, LLC. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and BTA Oil Producers, LLC. Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Charger Services, LLC. liability to the client.



## APPENDIX A

### Figures

---



**Topographic Map**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

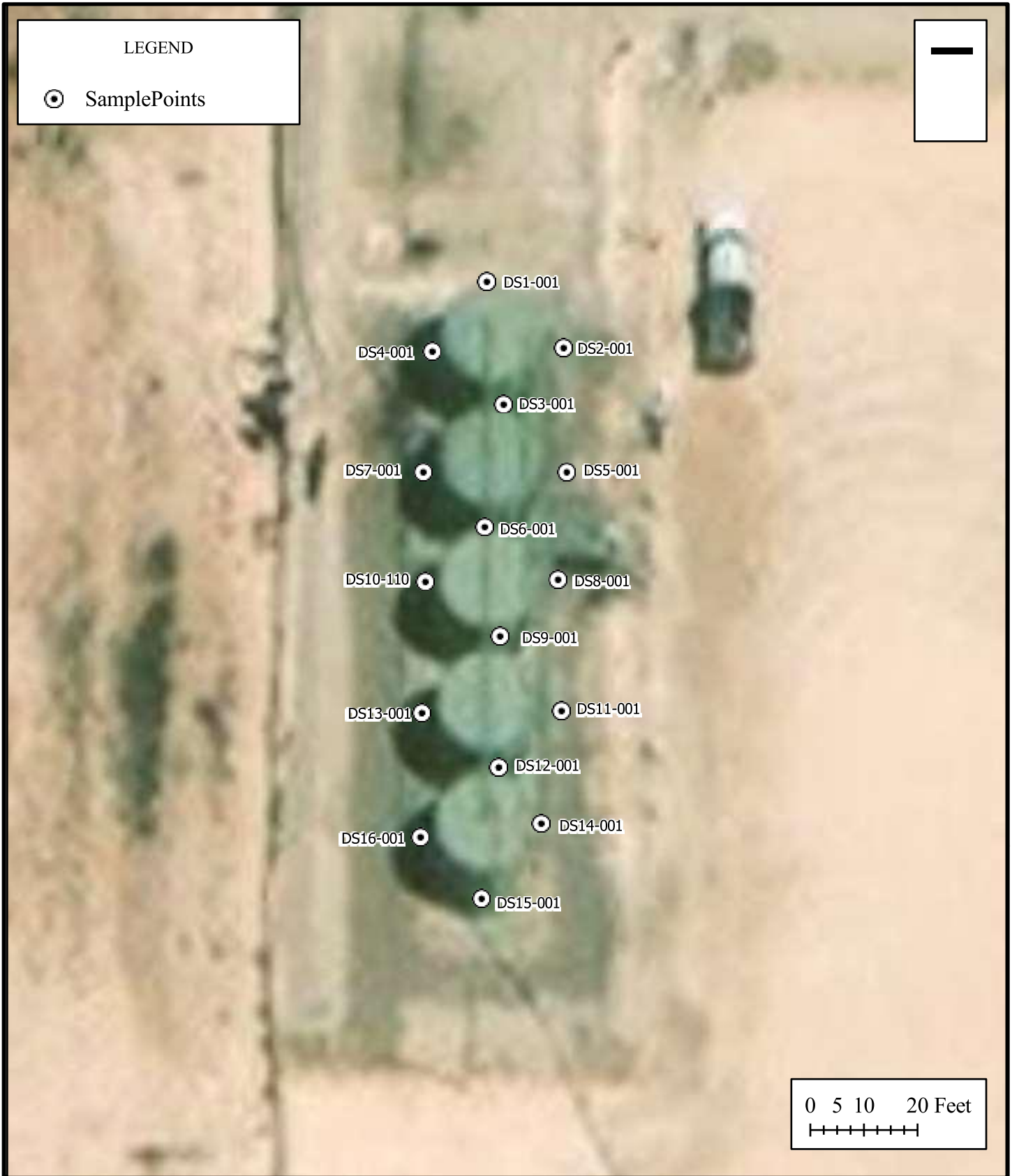
Figure 1





**Site Vicinity Map**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure 2



**Sample Map**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure 3



## APPENDIX B

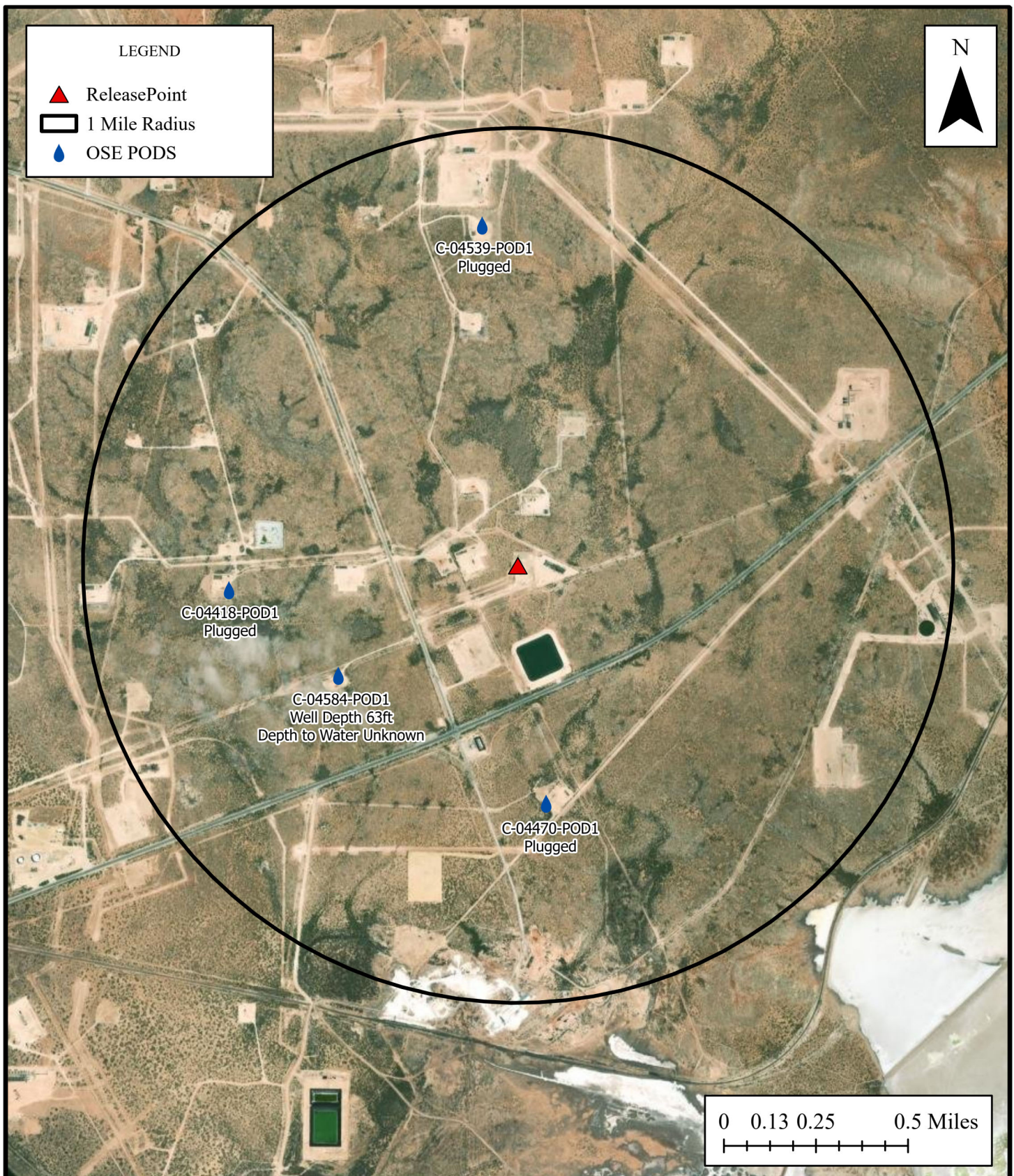
### Siting Figures

### and Documentation

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### 1 Mile Radius Water Well/POD Location Map

CULEBRA BLV FEDERAL COM #001H

32.325710°N, 104.031310°W

BTA Oil Producers

Figure A



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04418 POD1	4	2	1	12	23S	28E	590104	3576851
Driller License: 1789		Driller Company:		HRL COMPLIANCE SOLUTIONS, INC					
Driller Name: MARK MUMBY									
Drill Start Date: 03/31/2020		Drill Finish Date:		03/31/2020		Plug Date:		04/03/2020	
Log File Date: 05/26/2020		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 0 GPM			
Casing Size: 2.00		Depth Well:		55 feet		Depth Water:			
Casing Perforations:		Top		Bottom					
		0		45					
		45		55					

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

6/12/24 8:42 AM

POINT OF DIVERSION SUMMARY

Figure A.1





# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
NA	C 04470 POD1	3	1	3	07	23S	29E	591280	3576086

---

**Driller License:** 1249      **Driller Company:** ATKINS ENGINEERING ASSOC. INC.  
**Driller Name:** ATKINS, JACKIE D.UELENER  
**Drill Start Date:** 09/03/2020      **Drill Finish Date:** 09/03/2020      **Plug Date:** 09/08/2020  
**Log File Date:** 09/14/2020      **PCW Rev Date:**      **Source:**  
**Pump Type:**      **Pipe Discharge Size:**      **Estimated Yield:**  
**Casing Size:** 2.00      **Depth Well:**      **Depth Water:**

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

6/12/24 8:43 AM

POINT OF DIVERSION SUMMARY

Figure A.2



# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04539 POD1	2	4	2	01	23S	28E	591034	3578223

<b>Driller License:</b>	1186	<b>Driller Company:</b>	NOT FOR HIRE	
<b>Driller Name:</b>	HAMMER, RODNEY S. WARDENER			
<b>Drill Start Date:</b>	07/14/2021	<b>Drill Finish Date:</b>	07/14/2021	<b>Plug Date:</b> 07/14/2021
<b>Log File Date:</b>	10/05/2021	<b>PCW Rcv Date:</b>		<b>Source:</b>
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b>
<b>Casing Size:</b>	2.00	<b>Depth Well:</b>	55 feet	<b>Depth Water:</b>

Casing Perforations:	Top	Bottom
	45	55

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

6/12/24 8:41 AM

POINT OF DIVERSION SUMMARY

Figure A.3



# New Mexico Office of the State Engineer

## Point of Diversion Summary

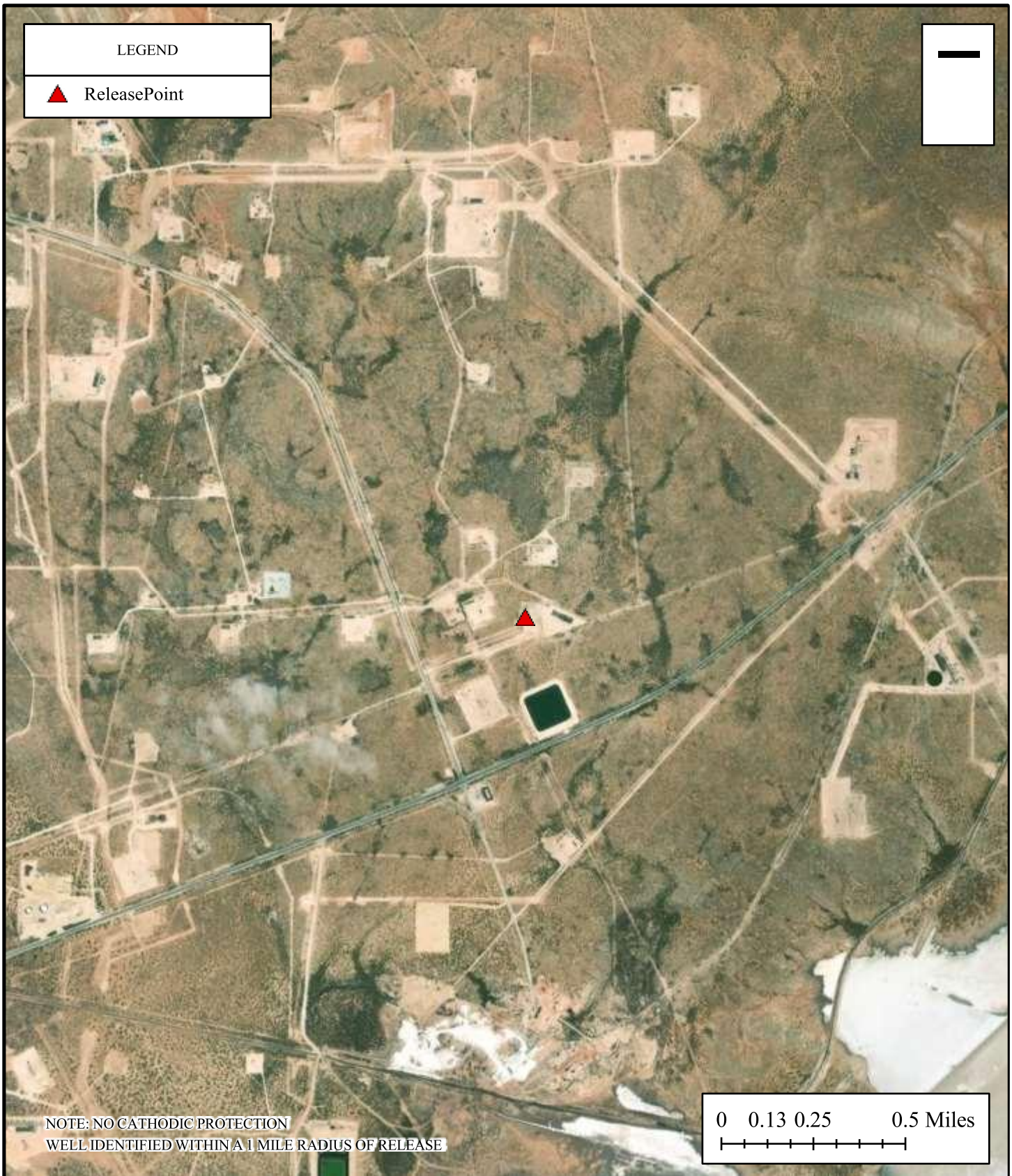
		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04584 POD1	3	1	4	12	23S	28E	590392	3576064
Driller License:		1664		Driller Company:			CASCADE DRILLING, LP		
Driller Name:		CAIN, SHAWN N.NJR.L.NER							
Drill Start Date:		12/16/2021		Drill Finish Date:			12/17/2021		Plug Date:
Log File Date:		05/19/2022		PCW Rev Date:			Source:		
Pump Type:					Pipe Discharge Size:			Estimated Yield: 0 GPM	
Casing Size:		2.00		Depth Well:			63 feet		Depth Water:
Casing Perforations:				Top		Bottom			
				47		62			

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

6/12/24 8:37 AM

POINT OF DIVERSION SUMMARY

Figure A.4



**Cathodic Protection Well**  
**Recorded Depth to Water**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure B





**300 Foot Radius**  
**Watercourse and Drainage Identification**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure C





**300 Foot Radius**  
**Occupied Structure Identification**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

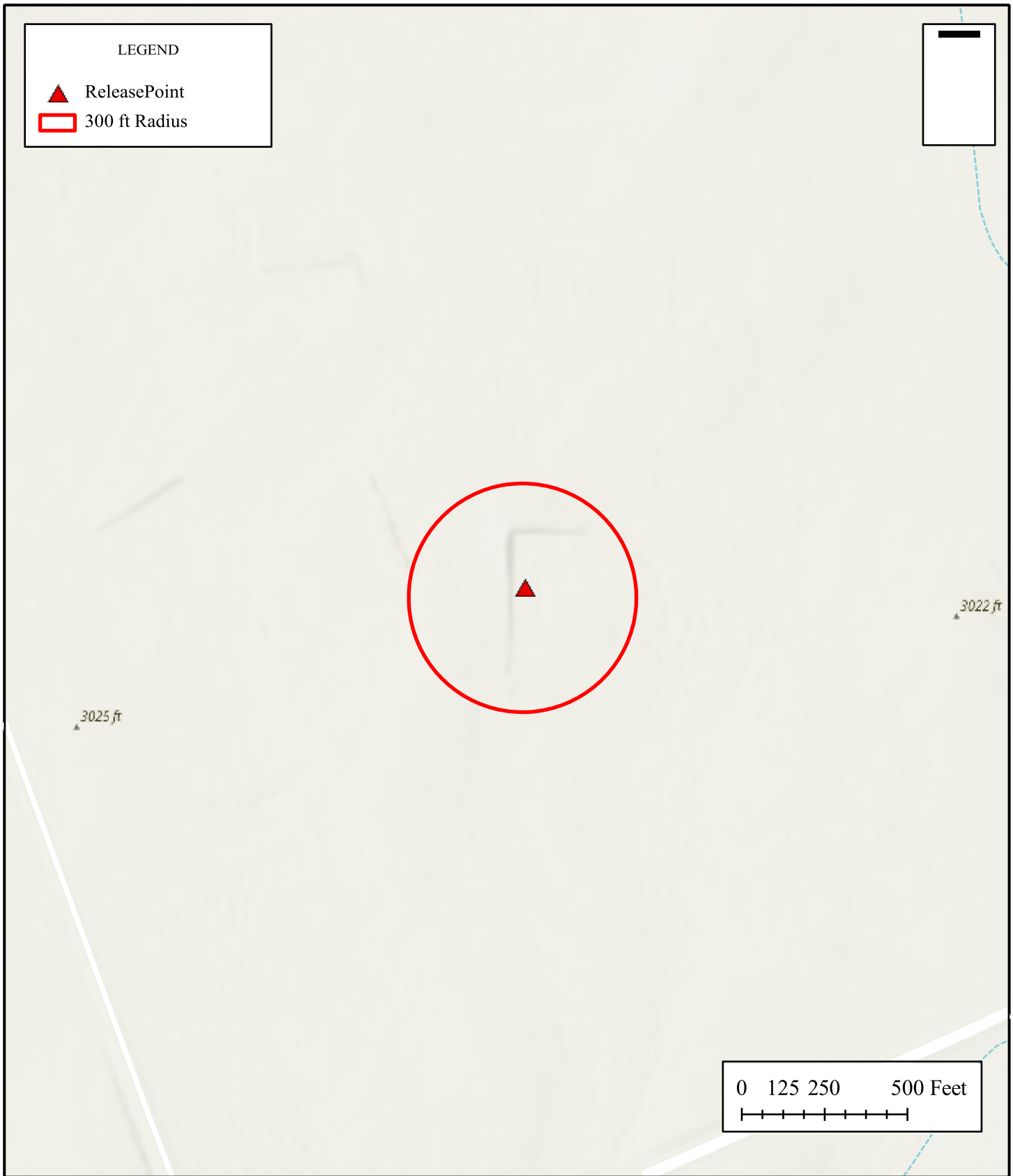
Figure D





**Water Well and Natural Spring  
Location Map**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

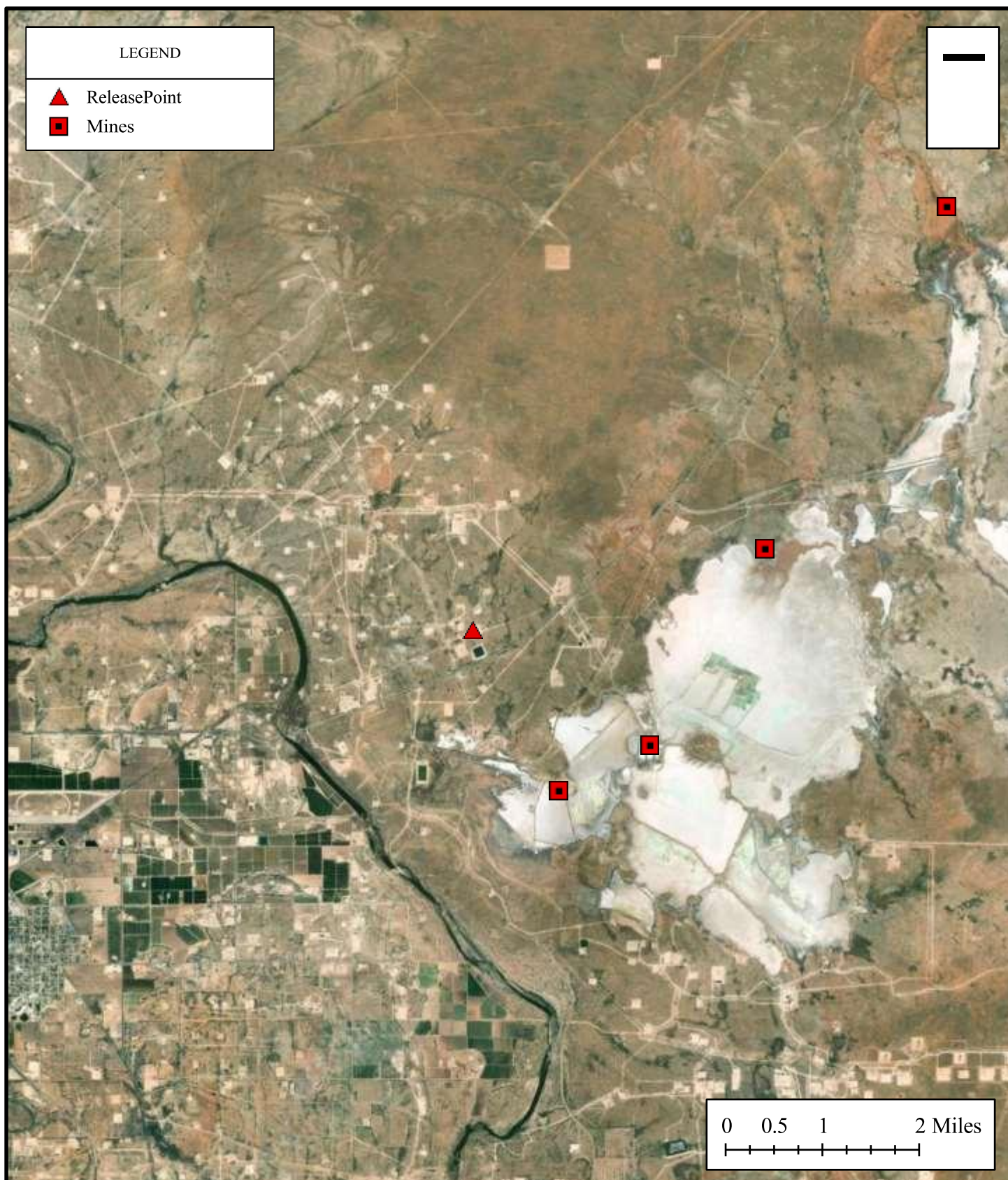
Figure E



**Wetlands**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure F





**Mines, Mills, and Quarries**  
 CULEBRA BLV FEDERAL COM #001H  
 32.325710°N, 104.031310°W  
 BTA Oil Producers

Figure G





**100 Year Flood Plain Map**  
CULEBRA BLV FEDERAL COM #001H  
32.325710°N, 104.031310°W  
BTA Oil Producers

Figure H



## APPENDIX C

### Photographic Documentation

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Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 06/26/2023





Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 06/26/2023





Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 08/14/2023



Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 08/14/2023





Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 10/17/2023





Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 10/17/2023



Charger Services

Photographic Log  
Culebra BLV Federal Com #001H  
New Mexico

Date: 10/17/2023







Appendix D

TABLES

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**Table I**  
**Culebra BL V Fed Com**

11/14/2025 11:37:17 AM

Analytical Methods														
SAMPLE DATE	SAMPLE ID	DEPTH (in)	8021B						BTX	8015B NM			300	
			BENZENE mg/Kg	TOLUENE mg/Kg	ETHYLBENZENE mg/Kg	m,p XYLENES mg/Kg	o XYLENES mg/Kg	XYLENES TOTAL mg/Kg		C6-C10 mg/Kg	C10-C28 mg/Kg	C28-C36 mg/Kg		
11/04/2023	B1-001	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	TOTAL BTX mg/Kg <0.00396	<50.3	<50.3	<50.3	TOTAL TPH mg/Kg <50.3	178
11/04/2023	B2-002	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	70.0
11/04/2023	B3-003	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	6.99

11/14/2025 2:14:24 PM

**Table II**  
**Culebra BLV Fed Com**

Analytical Methods															
			8021B							BTEX	8015B NM			8015 NM	300
SAMPLE DATE	SAMPLE ID	DEPTH (in)	BENZENE mg/Kg	TOLUENE mg/Kg	ETHYLBENZENE mg/Kg	m,p XYLENES mg/Kg	o XYLENES mg/Kg	XYLENES TOTAL mg/Kg	TOTAL BTEX mg/Kg	C6-C10 mg/Kg	C10-C28 mg/Kg	C28-C36 mg/Kg	TOTAL TPH mg/Kg	CHLORIDE	
11/22/2023	BH-001	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.7	82.2	<49.7	82.2	346	
11/22/2023	BH-002	0-6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.3	53.7	<50.3	53.7	796	
11/22/2023	BH-005	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.5	61.2	<50.5	61.2	638	
11/22/2023	BH-006	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.6	111	<49.6	111	265	
11/22/2023	BH-007	0-6"	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<0.00398	<0.00.98	<49.9	178	<49.9	178	147	
11/22/2023	BH-008	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.4	69.8	<50.4	69.8	123	
11/22/2023	BH-009	0-6"	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.5	93.7	<50.5	93.7	97.4	
11/22/2023	BH-010	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	90.2	<50.0	90.2	31.3	
11/22/2023	BH-011	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	164	
11/22/2023	BH-012	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.6	<49.6	<49.6	<49.6	127	
11/22/2023	BH-013	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	77.6	
11/22/2023	BH-014	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.2	<50.2	<50.2	<50.2	122	
11/22/2023	BH-015	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.4	<65.5	<50.4	<65.5	107	
11/22/2023	BH-016	0-6"	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.4	<50.4	<50.4	<50.4	469	
11/22/2023	BH-017	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.8	186	61.5	248	123	



**Table III**  
**Culebra BLV Fed Com #001H**

Analytical Methods														
			300	BTEX	8021B						8015 NM	8015B NM		
SAMPLE DATE	SAMPLE ID	DEPTH (inches)	CHLORIDE mg/Kg	TOTAL BTEX mg/Kg	BENZENE mg/Kg	TOLUENE mg/Kg	ETHYLBENZENE mg/Kg	m,p XYLENES mg/Kg	o XYLENES mg/Kg	XYLENES TOTAL mg/Kg	TOTAL TPH mg/Kg	C6-C10 mg/Kg	C10-C28 mg/Kg	C28-C36 mg/Kg
05/14/2024	DS1-001	1.5'	81.1	<0.00402	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9
05/14/2024	DS2-001	1.5'	569	<0.00399	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8
05/14/2024	DS3-001	1.5'	2230	<0.00398	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8
05/14/2024	DS4-001	1.5'	203	<0.00402	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9
05/14/2024	DS5-001	1.5'	478	<0.00403	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	76.7	<49.8	76.7	<49.8
05/14/2024	DS6-001	1.5'	303	<0.00398	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7
05/14/2024	DS7-001	1.5'	175	<0.00396	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8
05/14/2024	DS8-001	1.5'	106	<0.00404	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	54.8	<39.7	54.8	<49.7
05/14/2024	DS9-001	1.5'	534	<0.00398	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6
05/14/2024	DS10-001	1.5'	5.19	<0.00399	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7
05/14/2024	DS11-001	1.5'	77.2	<0.00396	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	124	<49.7	124	<49.7
05/14/2024	DS12-001	1.5'	643	<0.00402	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8
05/14/2024	DS13-001	1.5'	5.49	<0.00402	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7
05/14/2024	DS14-001	1.0'	133	<0.00399	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	2140	<49.7	2140	<49.7
05/14/2024	DS15-001	1.5'	22.2	<0.00400	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8
05/14/2024	DS16-001	1.0'	<4.99	<0.00398	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8



## Appendix E

### Laboratory Date Sheets and Chain of Custody Documentation

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Marcus Gipson  
Charger Rentals  
23 West Industrial Loop  
Midland, Texas 79701  
Generated 11/14/2023 9:53:15 AM

## JOB DESCRIPTION

Culebra BLV Federal  
COM #001H

## JOB NUMBER

880-35511-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 5/5/2025 2:14:24 PM





# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
11/14/2023 9:53:15 AM

Authorized for release by  
Holly Taylor, Project Manager  
[Holly.Taylor@et.eurofinsus.com](mailto:Holly.Taylor@et.eurofinsus.com)  
(806)794-1296

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Laboratory Job ID: 880-35511-1  
SDG: COM #001H

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Definitions/Glossary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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



Case Narrative

Client: Charger Rentals

Project/Site: Culebra BLV Federal

Job ID: 880-35511-1

SDG: COM #001H

Job ID: 880-35511-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-35511-1
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Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 11/7/2023 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: B1-001 (880-35511-1).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-66695 and analytical batch 880-66683 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

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

HPLC/IC

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

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1

SDG: COM #001H

Client Sample ID: B1-001

Lab Sample ID: 880-35511-1

Date Collected: 11/04/23 09:03

Matrix: Solid

Date Received: 11/07/23 15:50

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198	mg/Kg		11/10/23 10:14	11/12/23 06:20	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/10/23 10:14	11/12/23 06:20	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/10/23 10:14	11/12/23 06:20	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/10/23 10:14	11/12/23 06:20	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		11/10/23 10:14	11/12/23 06:20	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/10/23 10:14	11/12/23 06:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	11/10/23 10:14	11/12/23 06:20	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/10/23 10:14	11/12/23 06:20	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/12/23 06:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3	mg/Kg			11/14/23 05:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3	mg/Kg		11/10/23 13:16	11/14/23 05:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3	mg/Kg		11/10/23 13:16	11/14/23 05:22	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		11/10/23 13:16	11/14/23 05:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	97		70 - 130	11/10/23 13:16	11/14/23 05:22	1
o-Terphenyl (Surr)	105		70 - 130	11/10/23 13:16	11/14/23 05:22	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		5.00	mg/Kg			11/13/23 09:51	1

Eurofins Midland

Surrogate Summary

Client: Charger Rentals

Project/Site: Culebra BLV Federal

Job ID: 880-35511-1

SDG: COM #001H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)				
880-35511-1	B1-001	80	82				
880-35511-1 MS	B1-001	127	109				
880-35511-1 MSD	B1-001	128	114				
LCS 880-66695/1-A	Lab Control Sample	115	109				
LCSD 880-66695/2-A	Lab Control Sample Dup	117	103				
MB 880-66695/5-A	Method Blank	71	101				
MB 880-66739/5-A	Method Blank	70	102				
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 (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-35511-1	B1-001	97	105				
LCS 880-66716/2-A	Lab Control Sample	107	125				
LCSD 880-66716/3-A	Lab Control Sample Dup	76	88				
MB 880-66716/1-A	Method Blank	112	127				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							



## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66695/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batc : 66695

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/23 10:14	11/12/23 05:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	11/10/23 10:14	11/12/23 05:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/10/23 10:14	11/12/23 05:58	1

Lab Sample ID: LCS 880-66695/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1375	*+	mg/Kg		137	70 - 130
Toluene	0.100	0.1205		mg/Kg		121	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2319		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-66695/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1169		mg/Kg		117	70 - 130	16	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	14	35
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130	20	35
m,p-Xylenes	0.200	0.1848		mg/Kg		92	70 - 130	23	35
o-Xylene	0.100	0.09176		mg/Kg		92	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-35511-1 MS

Client Sample ID: B1-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U *+	0.0998	0.1110		mg/Kg		111	70 - 130
Toluene	<0.00198	U	0.0998	0.08734		mg/Kg		88	70 - 130

Eurofins Midland

## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

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

Lab Sample ID: 880-35511-1 MS

Client Sample ID: B1-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0998	0.1011		mg/Kg		101	70 - 130
m,p-Xylenes	<0.00396	U	0.200	0.2013		mg/Kg		101	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1099		mg/Kg		110	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	127		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 880-35511-1 MSD

Client Sample ID: B1-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U *	0.0996	0.1022		mg/Kg		103	70 - 130	8	35
Toluene	<0.00198	U	0.0996	0.07511		mg/Kg		75	70 - 130	15	35
Ethylbenzene	<0.00198	U	0.0996	0.08876		mg/Kg		89	70 - 130	13	35
m,p-Xylenes	<0.00396	U	0.199	0.1777		mg/Kg		89	70 - 130	12	35
o-Xylene	<0.00198	U	0.0996	0.09757		mg/Kg		98	70 - 130	12	35
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	128		70 - 130								
1,4-Difluorobenzene (Surr)	114		70 - 130								

Lab Sample ID: MB 880-66739/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130			11/10/23 15:06	11/11/23 19:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/10/23 15:06	11/11/23 19:16	1

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

Lab Sample ID: MB 880-66716/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66716/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			11/10/23 13:16	11/13/23 22:12	1
o-Terphenyl (Surr)	127		70 - 130			11/10/23 13:16	11/13/23 22:12	1

Lab Sample ID: LCS 880-66716/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.3		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	983.0		mg/Kg		98	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane (Surr)	107		70 - 130				
o-Terphenyl (Surr)	125		70 - 130				

Lab Sample ID: LCSD 880-66716/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	833.1		mg/Kg		83	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	844.4		mg/Kg		84	70 - 130	15	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane (Surr)	76		70 - 130						
o-Terphenyl (Surr)	88		70 - 130						

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66666/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/13/23 07:38	1

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QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-66666/2-A  
Matrix: Solid  
Analysis Batch: 66809

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-66666/3-A  
Matrix: Solid  
Analysis Batch: 66809

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.4		mg/Kg		99	90 - 110	0	20

## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

## GC VOA

## Analysis Batch: 66683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	8021B	66695
MB 880-66695/5-A	Method Blank	Total/NA	Solid	8021B	66695
MB 880-66739/5-A	Method Blank	Total/NA	Solid	8021B	66739
LCS 880-66695/1-A	Lab Control Sample	Total/NA	Solid	8021B	66695
LCSD 880-66695/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66695
880-35511-1 MS	B1-001	Total/NA	Solid	8021B	66695
880-35511-1 MSD	B1-001	Total/NA	Solid	8021B	66695

## Prep Batch: 66695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	5035	
MB 880-66695/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66695/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66695/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35511-1 MS	B1-001	Total/NA	Solid	5035	
880-35511-1 MSD	B1-001	Total/NA	Solid	5035	

## Prep Batch: 66739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66739/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 66860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 66716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	8015NM Prep	
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 66797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	8015B NM	66716
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015B NM	66716
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66716
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66716

## Analysis Batch: 66965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 66666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Soluble	Solid	DI Leach	
MB 880-66666/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

HPLC/IC (Continued)

Leach Batch: 66666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 66809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35511-1	B1-001	Soluble	Solid	300.0	66666
MB 880-66666/1-A	Method Blank	Soluble	Solid	300.0	66666
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	300.0	66666
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66666



Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Client Sample ID: B1-001  
Date Collected: 11/04/23 09:03  
Date Received: 11/07/23 15:50

Lab Sample ID: 880-35511-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66695	11/10/23 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/12/23 06:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66860	11/12/23 06:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			66965	11/14/23 05:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	66716	11/10/23 13:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66797	11/14/23 05:22	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66666	11/09/23 21:13	SMC	EET MID
Soluble	Analysis	300.0		1			66809	11/13/23 09:51	CH	EET MID

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

Accreditation/Certification Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35511-1  
SDG: COM #001H

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-35511-1	B1-001	Solid	11/04/23 09:03	11/07/23 15:50	0-6"

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



## Login Sample Receipt Checklist

Client: Charger Rentals

Job Number: 880-35511-1  
SDG Number: COM #001H

Login Number: 35511

List Source: Eurofins Midland

List Number: 1

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 <6mm (1/4").	N/A	





Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Marcus Gipson  
Charger Rentals  
23 West Industrial Loop  
Midland, Texas 79701  
Generated 11/14/2023 9:53:49 AM

## JOB DESCRIPTION

Culebra BLV Federal  
COM #001H

## JOB NUMBER

880-35512-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
11/14/2023 9:53:49 AM

Authorized for release by  
Holly Taylor, Project Manager  
[Holly.Taylor@et.eurofinsus.com](mailto:Holly.Taylor@et.eurofinsus.com)  
(806)794-1296

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Laboratory Job ID: 880-35512-1  
SDG: COM #001H

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Definitions/Glossary

Client: Charger Rentals

Project/Site: Culebra BLV Federal

Job ID: 880-35512-1

SDG: COM #001H

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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

## Case Narrative

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

**Job ID: 880-35512-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-35512-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The sample was received on 11/7/2023 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

**Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: B2-002 (880-35512-1).

**GC VOA**

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-66695 and analytical batch 880-66683 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

**GC Semi VOA**

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

**HPLC/IC**

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

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1

SDG: COM #001H

Client Sample ID: B2-002

Lab Sample ID: 880-35512-1

Date Collected: 11/04/23 09:23

Matrix: Solid

Date Received: 11/07/23 15:50

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200	mg/Kg		11/10/23 10:14	11/12/23 06:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 06:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 06:40	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/10/23 10:14	11/12/23 06:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 06:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/10/23 10:14	11/12/23 06:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/10/23 10:14	11/12/23 06:40	1
1,4-Difluorobenzene (Surr)	78		70 - 130	11/10/23 10:14	11/12/23 06:40	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/12/23 06:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			11/14/23 05:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		11/10/23 13:16	11/14/23 05:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		11/10/23 13:16	11/14/23 05:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		11/10/23 13:16	11/14/23 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	11/10/23 13:16	11/14/23 05:45	1
o-Terphenyl (Surr)	90		70 - 130	11/10/23 13:16	11/14/23 05:45	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.0		5.02	mg/Kg			11/13/23 09:57	1

Eurofins Midland



Surrogate Summary

Client: Charger Rentals

Job ID: 880-35512-1

Project/Site: Culebra BLV Federal

SDG: COM #001H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-35512-1	B2-002	86	78				
LCS 880-66695/1-A	Lab Control Sample	115	109				
LCSD 880-66695/2-A	Lab Control Sample Dup	117	103				
MB 880-66695/5-A	Method Blank	71	101				
MB 880-66739/5-A	Method Blank	70	102				
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 (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-35512-1	B2-002	85	90				
LCS 880-66716/2-A	Lab Control Sample	107	125				
LCSD 880-66716/3-A	Lab Control Sample Dup	76	88				
MB 880-66716/1-A	Method Blank	112	127				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66695/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batc : 66695

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:14	11/12/23 05:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/23 10:14	11/12/23 05:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	11/10/23 10:14	11/12/23 05:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/10/23 10:14	11/12/23 05:58	1

Lab Sample ID: LCS 880-66695/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1375	*+	mg/Kg		137	70 - 130
Toluene	0.100	0.1205		mg/Kg		121	70 - 130
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2319		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-66695/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66695

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1169		mg/Kg		117	70 - 130	16	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	14	35
Ethylbenzene	0.100	0.09129		mg/Kg		91	70 - 130	20	35
m,p-Xylenes	0.200	0.1848		mg/Kg		92	70 - 130	23	35
o-Xylene	0.100	0.09176		mg/Kg		92	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-66739/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1

Eurofins Midland

## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66739/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66683

Prep Batch: 66739

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
4-Bromofluorobenzene (Surr)	70		70 - 130			11/10/23 15:06	11/11/23 19:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130			11/10/23 15:06	11/11/23 19:16	1

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

Lab Sample ID: MB 880-66716/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	112		70 - 130			11/10/23 13:16	11/13/23 22:12	1
o-Terphenyl (Surr)	127		70 - 130			11/10/23 13:16	11/13/23 22:12	1

Lab Sample ID: LCS 880-66716/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits	
		Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	1000	936.3		mg/Kg		94	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	983.0		mg/Kg		98	70 - 130	
Surrogate	LCS LCS		Limits			%Rec	%Rec Limits	
	%Recovery	Qualifier						
1-Chlorooctane (Surr)	107		70 - 130					
o-Terphenyl (Surr)	125		70 - 130					

Lab Sample ID: LCSD 880-66716/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	833.1		mg/Kg		83	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	844.4		mg/Kg		84	70 - 130	15	20

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QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

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

Lab Sample ID: LCSD 880-66716/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66797

Prep Batch: 66716

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	76		70 - 130
o-Terphenyl (Surr)	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66666/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	<5.00	U	5.00	mg/Kg			11/13/23 07:38	1

Lab Sample ID: LCS 880-66666/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits	
		Result	Qualifier					
Chloride	250	246.0		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-66666/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Chloride	250	246.4		mg/Kg		99	90 - 110	0	20



## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

## GC VOA

## Analysis Batch: 66683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	8021B	66695
MB 880-66695/5-A	Method Blank	Total/NA	Solid	8021B	66695
MB 880-66739/5-A	Method Blank	Total/NA	Solid	8021B	66739
LCS 880-66695/1-A	Lab Control Sample	Total/NA	Solid	8021B	66695
LCSD 880-66695/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66695

## Prep Batch: 66695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	5035	
MB 880-66695/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66695/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66695/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Prep Batch: 66739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66739/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 66861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 66716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	8015NM Prep	
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 66797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	8015B NM	66716
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015B NM	66716
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66716
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66716

## Analysis Batch: 66966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 66666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Soluble	Solid	DI Leach	
MB 880-66666/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

HPLC/IC

Analysis Batch: 66809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35512-1	B2-002	Soluble	Solid	300.0	66666
MB 880-66666/1-A	Method Blank	Soluble	Solid	300.0	66666
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	300.0	66666
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66666

Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

Client Sample ID: B2-002  
Date Collected: 11/04/23 09:23  
Date Received: 11/07/23 15:50

Lab Sample ID: 880-35512-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66695	11/10/23 10:14	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/12/23 06:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66861	11/12/23 06:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			66966	11/14/23 05:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	66716	11/10/23 13:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66797	11/14/23 05:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66666	11/09/23 21:13	SMC	EET MID
Soluble	Analysis	300.0		1			66809	11/13/23 09:57	CH	EET MID

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

Accreditation/Certification Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX



Method Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35512-1  
SDG: COM #001H

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-35512-1	B2-002	Solid	11/04/23 09:23	11/07/23 15:50	0-6"

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

## eurofins

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1236  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Revised Date: na11sno20Rev. 20202

## Login Sample Receipt Checklist

Client: Charger Rentals

Job Number: 880-35512-1  
SDG Number: COM #001H

Login Number: 35512

List Source: Eurofins Midland

List Number: 1

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 <6mm (1/4").	N/A	





Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Marcus Gipson  
Charger Rentals  
23 West Industrial Loop  
Midland, Texas 79701  
Generated 11/15/2023 4:09:51 PM

## JOB DESCRIPTION

Culebra BLV Federal  
COM #001H

## JOB NUMBER

880-35513-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
11/15/2023 4:09:51 PM

Authorized for release by  
Holly Taylor, Project Manager  
[Holly.Taylor@et.eurofinsus.com](mailto:Holly.Taylor@et.eurofinsus.com)  
(806)794-1296

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Laboratory Job ID: 880-35513-1  
SDG: COM #001H

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Definitions/Glossary

Client: Charger Rentals

Project/Site: Culebra BLV Federal

Job ID: 880-35513-1

SDG: COM #001H

Qualifiers

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

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



## Case Narrative

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

**Job ID: 880-35513-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-35513-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The sample was received on 11/7/2023 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

**Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: B3-003 (880-35513-1).

**GC VOA**

Method 8021B: Surrogate recovery for the following sample was outside control limits: B3-003 (880-35513-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-66698 and analytical batch 880-66806 recovered outside control limits for the following analytes: Benzene.

Method 8021B: The method blank for preparation batch 880-66698 and analytical batch 880-66806 contained o-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; 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.

**GC Semi VOA**

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

**HPLC/IC**

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

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Client Sample ID: B3-003

Lab Sample ID: 880-35513-1

Date Collected: 11/04/23 09:30

Matrix: Solid

Date Received: 11/07/23 15:50

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/10/23 10:24	11/14/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130			11/10/23 10:24	11/14/23 03:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130			11/10/23 10:24	11/14/23 03:35	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/14/23 03:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	mg/Kg			11/14/23 06:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		11/10/23 13:16	11/14/23 06:07	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		11/10/23 13:16	11/14/23 06:07	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		11/10/23 13:16	11/14/23 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130			11/10/23 13:16	11/14/23 06:07	1
o-Terphenyl (Surr)	98		70 - 130			11/10/23 13:16	11/14/23 06:07	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.99		5.01	mg/Kg			11/13/23 10:17	1

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Surrogate Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-35513-1	B3-003	154 S1+	87				
LCS 880-66698/1-A	Lab Control Sample	123	108				
LCSD 880-66698/2-A	Lab Control Sample Dup	120	92				
MB 880-66698/5-A	Method Blank	73	87				
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 (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-35513-1	B3-003	93	98				
LCS 880-66716/2-A	Lab Control Sample	107	125				
LCSD 880-66716/3-A	Lab Control Sample Dup	76	88				
MB 880-66716/1-A	Method Blank	112	127				
Surrogate Legend							
1CO = 1-Chlorooctane (Surr)							
OTPH = o-Terphenyl (Surr)							

## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66698/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66806

Prep Batch : 66698

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:24	11/13/23 19:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:24	11/13/23 19:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:24	11/13/23 19:40	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/10/23 10:24	11/13/23 19:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/10/23 10:24	11/13/23 19:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/10/23 10:24	11/13/23 19:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	11/10/23 10:24	11/13/23 19:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/10/23 10:24	11/13/23 19:40	1

Lab Sample ID: LCS 880-66698/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66806

Prep Batch: 66698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1232		mg/Kg		123	70 - 130
Toluene	0.100	0.1228		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1223		mg/Kg		122	70 - 130
m,p-Xylenes	0.200	0.2380		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1225		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-66698/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 66806

Prep Batch: 66698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08589	*1	mg/Kg		86	70 - 130	36	35
Toluene	0.100	0.1058		mg/Kg		106	70 - 130	15	35
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130	17	35
m,p-Xylenes	0.200	0.1945		mg/Kg		97	70 - 130	20	35
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

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

Lab Sample ID: MB 880-66716/1-A

Matrix: Solid

Analysis Batch: 66797

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 66716

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		11/10/23 13:16	11/13/23 22:12	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	112		70 - 130			11/10/23 13:16	11/13/23 22:12	1
o-Terphenyl (Surr)	127		70 - 130			11/10/23 13:16	11/13/23 22:12	1

Lab Sample ID: LCS 880-66716/2-A

Matrix: Solid

Analysis Batch: 66797

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 66716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.3		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	983.0		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	107		70 - 130				
o-Terphenyl (Surr)	125		70 - 130				

Lab Sample ID: LCSD 880-66716/3-A

Matrix: Solid

Analysis Batch: 66797

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 66716

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	833.1		mg/Kg		83	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	844.4		mg/Kg		84	70 - 130	15	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	76		70 - 130						
o-Terphenyl (Surr)	88		70 - 130						

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66666/1-A

Matrix: Solid

Analysis Batch: 66809

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/13/23 07:38	1

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QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-66666/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-66666/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 66809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	246.4		mg/Kg		99	90 - 110	0	20

## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

## GC VOA

## Prep Batch: 66698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	5035	
MB 880-66698/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66698/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66698/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 66806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	8021B	66698
MB 880-66698/5-A	Method Blank	Total/NA	Solid	8021B	66698
LCS 880-66698/1-A	Lab Control Sample	Total/NA	Solid	8021B	66698
LCSD 880-66698/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66698

## Analysis Batch: 67127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 66716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	8015NM Prep	
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 66797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	8015B NM	66716
MB 880-66716/1-A	Method Blank	Total/NA	Solid	8015B NM	66716
LCS 880-66716/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66716
LCSD 880-66716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66716

## Analysis Batch: 66967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 66666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Soluble	Solid	DI Leach	
MB 880-66666/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 66809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35513-1	B3-003	Soluble	Solid	300.0	66666
MB 880-66666/1-A	Method Blank	Soluble	Solid	300.0	66666
LCS 880-66666/2-A	Lab Control Sample	Soluble	Solid	300.0	66666
LCSD 880-66666/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66666

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Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Client Sample ID: B3-003  
Date Collected: 11/04/23 09:30  
Date Received: 11/07/23 15:50

Lab Sample ID: 880-35513-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66698	11/10/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66806	11/14/23 03:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67127	11/14/23 03:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			66967	11/14/23 06:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66716	11/10/23 13:16	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66797	11/14/23 06:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66666	11/09/23 21:13	SMC	EET MID
Soluble	Analysis	300.0		1			66809	11/13/23 10:17	CH	EET MID

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



Accreditation/Certification Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Federal

Job ID: 880-35513-1  
SDG: COM #001H

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-35513-1	B3-003	Solid	11/04/23 09:30	11/07/23 15:50	0-6"

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

Houston, TX (281) 24-04200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs NM (575) 392-7550, Carlsbad, NM (575) 988-3199

neurofins

111ur1 Hill/11111  
880-35513 Chain of Custody

[illegible]



## Login Sample Receipt Checklist

Client: Charger Rentals

Job Number: 880-35513-1  
SDG Number: COM #001H

Login Number: 35513

List Source: Eurofins Midland

List Number: 1

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 <6mm (1/4").	N/A	



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Sam Bullard  
Charger Rentals  
23 West Industrial Loop  
Midland, Texas 79701  
Generated 11/30/2023 5:05:32 PM

## JOB DESCRIPTION

Culebra BLV Fed Com

## JOB NUMBER

880-36142-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
11/30/2023 5:05:32 PM

Authorized for release by  
Holly Taylor, Project Manager  
[Holly.Taylor@et.eurofinsus.com](mailto:Holly.Taylor@et.eurofinsus.com)  
(806)794-1296

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Laboratory Job ID: 880-36142-1

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## Definitions/Glossary

Client: Charger Rentals

Job ID: 880-36142-1

Project/Site: Culebra BLV Fed Com

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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 VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
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.

## Glossary

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

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## Case Narrative

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

**Job ID: 880-36142-1**

**Laboratory: Eurofins Midland**

### Narrative

#### Job Narrative 880-36142-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 11/28/2023 8:05 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 2.5°C

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH-001 (880-36142-1), BH-002 (880-36142-2), BH-005 (880-36142-3), BH-006 (880-36142-4), BH-007 (880-36142-5), BH-008 (880-36142-6), BH-009 (880-36142-7), BH-010 (880-36142-8), BH-011 (880-36142-9), BH-012 (880-36142-10), BH-013 (880-36142-11), BH-014 (880-36142-12), BH-015 (880-36142-13), BH-016 (880-36142-14) and BH-017 (880-36142-15).

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67961 and analytical batch 880-67897 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-005 (880-36142-3), BH-006 (880-36142-4), BH-013 (880-36142-11), BH-014 (880-36142-12), BH-016 (880-36142-14) and BH-017 (880-36142-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-67961/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-008 (880-36142-6), BH-009 (880-36142-7), BH-010 (880-36142-8) and BH-012 (880-36142-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-67961 and analytical batch 880-67897 recovered outside control limits for the following analytes: o-Xylene.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-67897 recovered below the upper control limit for Benzene and Toluene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-67897/51).

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

### GC Semi VOA

Method TX\_1005: Surrogate recovery for the following samples were outside control limits: BH-015 (880-36142-13), (880-36142-A-1-C MS) and (880-36142-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Job ID: 880-36142-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method TX\_1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67839 and analytical batch 880-67894 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-001

Lab Sample ID: 880-36142-1

Date Collected: 11/22/23 08:40

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:05	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:05	1
Ethylbenzene	<0.00200	U F2 F1	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:05	1
m,p-Xylenes	<0.00399	U F2 F1	0.00399	mg/Kg		11/29/23 15:31	11/29/23 23:05	1
o-Xylene	<0.00200	U F1 *1	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:05	1
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		11/29/23 15:31	11/29/23 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/29/23 15:31	11/29/23 23:05	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/29/23 15:31	11/29/23 23:05	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/29/23 23:05	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.7	U	49.7	mg/Kg		11/28/23 11:07	11/29/23 10:24	1
>C12-C28	82.2	F1	49.7	mg/Kg		11/28/23 11:07	11/29/23 10:24	1
>C28-C35	<49.7	U	49.7	mg/Kg		11/28/23 11:07	11/29/23 10:24	1
Total TPH 1005	82.2		49.7	mg/Kg			11/29/23 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130	11/28/23 11:07	11/29/23 10:24	1
o-Terphenyl (Surr)	88		70 - 130	11/28/23 11:07	11/29/23 10:24	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	346		25.2	mg/Kg			11/30/23 00:04	5

Client Sample ID: BH-002

Lab Sample ID: 880-36142-2

Date Collected: 11/22/23 08:53

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:25	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/29/23 15:31	11/29/23 23:25	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		11/29/23 15:31	11/29/23 23:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/29/23 15:31	11/29/23 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/29/23 15:31	11/29/23 23:25	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/29/23 15:31	11/29/23 23:25	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/29/23 23:25	1

Eurofins Midland



## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-002

Lab Sample ID: 880-36142-2

Date Collected: 11/22/23 08:53

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.3	U	50.3	mg/Kg		11/28/23 11:07	11/29/23 11:32	1
>C12-C28	53.7		50.3	mg/Kg		11/28/23 11:07	11/29/23 11:32	1
>C28-C35	<50.3	U	50.3	mg/Kg		11/28/23 11:07	11/29/23 11:32	1
Total TPH 1005	53.7		50.3	mg/Kg			11/29/23 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	73		70 - 130	11/28/23 11:07	11/29/23 11:32	1
o-Terphenyl (Surr)	74		70 - 130	11/28/23 11:07	11/29/23 11:32	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	796		25.1	mg/Kg			11/30/23 00:21	5

Client Sample ID: BH-005

Lab Sample ID: 880-36142-3

Date Collected: 11/22/23 09:14

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/29/23 23:46	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/29/23 23:46	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/29/23 23:46	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/29/23 23:46	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		11/29/23 15:31	11/29/23 23:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/29/23 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	11/29/23 15:31	11/29/23 23:46	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	11/29/23 15:31	11/29/23 23:46	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/29/23 23:46	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.5	U	50.5	mg/Kg		11/28/23 11:07	11/29/23 11:54	1
>C12-C28	61.2		50.5	mg/Kg		11/28/23 11:07	11/29/23 11:54	1
>C28-C35	<50.5	U	50.5	mg/Kg		11/28/23 11:07	11/29/23 11:54	1
Total TPH 1005	61.2		50.5	mg/Kg			11/29/23 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	11/28/23 11:07	11/29/23 11:54	1
o-Terphenyl (Surr)	80		70 - 130	11/28/23 11:07	11/29/23 11:54	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	638		25.3	mg/Kg			11/30/23 00:26	5

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-006

Lab Sample ID: 880-36142-4

Date Collected: 11/22/23 09:25

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 00:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 00:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 00:06	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/29/23 15:31	11/30/23 00:06	1
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		11/29/23 15:31	11/30/23 00:06	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/29/23 15:31	11/30/23 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/29/23 15:31	11/30/23 00:06	1
1,4-Difluorobenzene (Surr)	55	S1-	70 - 130	11/29/23 15:31	11/30/23 00:06	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/30/23 00:06	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 12:16	1
>C12-C28	111		49.6	mg/Kg		11/28/23 11:07	11/29/23 12:16	1
>C28-C35	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 12:16	1
Total TPH 1005	111		49.6	mg/Kg			11/29/23 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	84		70 - 130	11/28/23 11:07	11/29/23 12:16	1
o-Terphenyl (Surr)	82		70 - 130	11/28/23 11:07	11/29/23 12:16	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		5.02	mg/Kg			11/30/23 00:32	1

Client Sample ID: BH-007

Lab Sample ID: 880-36142-5

Date Collected: 11/22/23 09:40

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 00:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 00:26	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 00:26	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 00:26	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		11/29/23 15:31	11/30/23 00:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/29/23 15:31	11/30/23 00:26	1
1,4-Difluorobenzene (Surr)	73		70 - 130	11/29/23 15:31	11/30/23 00:26	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/30/23 00:26	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-007

Lab Sample ID: 880-36142-5

Date Collected: 11/22/23 09:40

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.9	U	49.9	mg/Kg		11/28/23 11:07	11/29/23 12:38	1
>C12-C28	178		49.9	mg/Kg		11/28/23 11:07	11/29/23 12:38	1
>C28-C35	<49.9	U	49.9	mg/Kg		11/28/23 11:07	11/29/23 12:38	1
Total TPH 1005	178		49.9	mg/Kg			11/29/23 12:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	11/28/23 11:07	11/29/23 12:38	1
o-Terphenyl (Surr)	78		70 - 130	11/28/23 11:07	11/29/23 12:38	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.99	mg/Kg			11/30/23 09:34	1

Client Sample ID: BH-008

Lab Sample ID: 880-36142-6

Date Collected: 11/22/23 09:53

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 00:47	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 00:47	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 00:47	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/29/23 15:31	11/30/23 00:47	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		11/29/23 15:31	11/30/23 00:47	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/29/23 15:31	11/30/23 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/29/23 15:31	11/30/23 00:47	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	11/29/23 15:31	11/30/23 00:47	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/30/23 00:47	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 13:02	1
>C12-C28	69.8		50.4	mg/Kg		11/28/23 11:07	11/29/23 13:02	1
>C28-C35	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 13:02	1
Total TPH 1005	69.8		50.4	mg/Kg			11/29/23 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	11/28/23 11:07	11/29/23 13:02	1
o-Terphenyl (Surr)	78		70 - 130	11/28/23 11:07	11/29/23 13:02	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.98	mg/Kg			11/30/23 09:54	1

Eurofins Midland

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-009

Lab Sample ID: 880-36142-7

Date Collected: 11/22/23 10:02

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 01:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 01:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 01:07	1
m,p-Xylenes	<0.00401	U	0.00401	mg/Kg		11/29/23 15:31	11/30/23 01:07	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		11/29/23 15:31	11/30/23 01:07	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		11/29/23 15:31	11/30/23 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/29/23 15:31	11/30/23 01:07	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	11/29/23 15:31	11/30/23 01:07	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			11/30/23 01:07	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.5	U	50.5	mg/Kg		11/28/23 11:07	11/29/23 13:25	1
>C12-C28	93.7		50.5	mg/Kg		11/28/23 11:07	11/29/23 13:25	1
>C28-C35	<50.5	U	50.5	mg/Kg		11/28/23 11:07	11/29/23 13:25	1
Total TPH 1005	93.7		50.5	mg/Kg			11/29/23 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	76		70 - 130	11/28/23 11:07	11/29/23 13:25	1
o-Terphenyl (Surr)	74		70 - 130	11/28/23 11:07	11/29/23 13:25	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.4		5.04	mg/Kg			11/30/23 10:00	1

Client Sample ID: BH-010

Lab Sample ID: 880-36142-8

Date Collected: 11/22/23 10:20

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 01:28	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 01:28	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 01:28	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 01:28	1
o-Xylene	<0.00201	U *1	0.00201	mg/Kg		11/29/23 15:31	11/30/23 01:28	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/29/23 15:31	11/30/23 01:28	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	11/29/23 15:31	11/30/23 01:28	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/30/23 01:28	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-010

Lab Sample ID: 880-36142-8

Date Collected: 11/22/23 10:20

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.0	U	50.0	mg/Kg		11/28/23 11:07	11/29/23 13:47	1
>C12-C28	90.2		50.0	mg/Kg		11/28/23 11:07	11/29/23 13:47	1
>C28-C35	<50.0	U	50.0	mg/Kg		11/28/23 11:07	11/29/23 13:47	1
Total TPH 1005	90.2		50.0	mg/Kg			11/29/23 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130	11/28/23 11:07	11/29/23 13:47	1
o-Terphenyl (Surr)	81		70 - 130	11/28/23 11:07	11/29/23 13:47	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.3		4.96	mg/Kg			11/30/23 10:07	1

Client Sample ID: BH-011

Lab Sample ID: 880-36142-9

Date Collected: 11/22/23 10:45

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 01:48	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 01:48	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 01:48	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 01:48	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		11/29/23 15:31	11/30/23 01:48	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 01:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	11/29/23 15:31	11/30/23 01:48	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/29/23 15:31	11/30/23 01:48	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/30/23 01:48	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.9	U	49.9	mg/Kg		11/28/23 11:07	11/29/23 14:10	1
>C12-C28	<49.9	U	49.9	mg/Kg		11/28/23 11:07	11/29/23 14:10	1
>C28-C35	<49.9	U	49.9	mg/Kg		11/28/23 11:07	11/29/23 14:10	1
Total TPH 1005	<49.9	U	49.9	mg/Kg			11/29/23 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130	11/28/23 11:07	11/29/23 14:10	1
o-Terphenyl (Surr)	81		70 - 130	11/28/23 11:07	11/29/23 14:10	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		5.05	mg/Kg			11/30/23 10:13	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-012

Lab Sample ID: 880-36142-10

Date Collected: 11/22/23 11:15

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 02:09	1
Toluene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 02:09	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		11/29/23 15:31	11/30/23 02:09	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		11/29/23 15:31	11/30/23 02:09	1
o-Xylene	<0.00198	U *1	0.00198	mg/Kg		11/29/23 15:31	11/30/23 02:09	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		11/29/23 15:31	11/30/23 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/29/23 15:31	11/30/23 02:09	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130	11/29/23 15:31	11/30/23 02:09	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			11/30/23 02:09	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 14:32	1
>C12-C28	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 14:32	1
>C28-C35	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 14:32	1
Total TPH 1005	<49.6	U	49.6	mg/Kg			11/29/23 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	70		70 - 130	11/28/23 11:07	11/29/23 14:32	1
o-Terphenyl (Surr)	71		70 - 130	11/28/23 11:07	11/29/23 14:32	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		4.99	mg/Kg			11/30/23 10:33	1

Client Sample ID: BH-013

Lab Sample ID: 880-36142-11

Date Collected: 11/22/23 11:30

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 03:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 03:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 03:31	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 03:31	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		11/29/23 15:31	11/30/23 03:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/29/23 15:31	11/30/23 03:31	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	11/29/23 15:31	11/30/23 03:31	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/30/23 03:31	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-013

Lab Sample ID: 880-36142-11

Date Collected: 11/22/23 11:30

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 15:17	1
>C12-C28	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 15:17	1
>C28-C35	<49.6	U	49.6	mg/Kg		11/28/23 11:07	11/29/23 15:17	1
Total TPH 1005	<49.6	U	49.6	mg/Kg			11/29/23 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	11/28/23 11:07	11/29/23 15:17	1
o-Terphenyl (Surr)	80		70 - 130	11/28/23 11:07	11/29/23 15:17	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.6		4.95	mg/Kg			11/30/23 10:39	1

Client Sample ID: BH-014

Lab Sample ID: 880-36142-12

Date Collected: 11/22/23 11:50

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 03:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 03:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/30/23 03:51	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		11/29/23 15:31	11/30/23 03:51	1
o-Xylene	<0.00200	U *1	0.00200	mg/Kg		11/29/23 15:31	11/30/23 03:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		11/29/23 15:31	11/30/23 03:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	11/29/23 15:31	11/30/23 03:51	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/29/23 15:31	11/30/23 03:51	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			11/30/23 03:51	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.2	U	50.2	mg/Kg		11/28/23 11:07	11/29/23 15:40	1
>C12-C28	<50.2	U	50.2	mg/Kg		11/28/23 11:07	11/29/23 15:40	1
>C28-C35	<50.2	U	50.2	mg/Kg		11/28/23 11:07	11/29/23 15:40	1
Total TPH 1005	<50.2	U	50.2	mg/Kg			11/29/23 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	93		70 - 130	11/28/23 11:07	11/29/23 15:40	1
o-Terphenyl (Surr)	96		70 - 130	11/28/23 11:07	11/29/23 15:40	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		5.00	mg/Kg			11/30/23 10:46	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-015

Lab Sample ID: 880-36142-13

Date Collected: 11/22/23 12:13

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:12	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:12	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:12	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 04:12	1
o-Xylene	<0.00201	U *1	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:12	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	11/29/23 15:31	11/30/23 04:12	1
1,4-Difluorobenzene (Surr)	72		70 - 130	11/29/23 15:31	11/30/23 04:12	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/30/23 04:12	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 16:02	1
>C12-C28	65.5		50.4	mg/Kg		11/28/23 11:07	11/29/23 16:02	1
>C28-C35	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 16:02	1
Total TPH 1005	65.5		50.4	mg/Kg			11/29/23 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130	11/28/23 11:07	11/29/23 16:02	1
o-Terphenyl (Surr)	61	S1-	70 - 130	11/28/23 11:07	11/29/23 16:02	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.97	mg/Kg			11/30/23 10:53	1

Client Sample ID: BH-016

Lab Sample ID: 880-36142-14

Date Collected: 11/22/23 12:28

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:32	1
Toluene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:32	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:32	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 04:32	1
o-Xylene	<0.00201	U *1	0.00201	mg/Kg		11/29/23 15:31	11/30/23 04:32	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		11/29/23 15:31	11/30/23 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	11/29/23 15:31	11/30/23 04:32	1
1,4-Difluorobenzene (Surr)	72		70 - 130	11/29/23 15:31	11/30/23 04:32	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			11/30/23 04:32	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-016

Lab Sample ID: 880-36142-14

Date Collected: 11/22/23 12:28

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 16:25	1
>C12-C28	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 16:25	1
>C28-C35	<50.4	U	50.4	mg/Kg		11/28/23 11:07	11/29/23 16:25	1
Total TPH 1005	<50.4	U	50.4	mg/Kg			11/29/23 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130	11/28/23 11:07	11/29/23 16:25	1
o-Terphenyl (Surr)	72		70 - 130	11/28/23 11:07	11/29/23 16:25	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	469		5.05	mg/Kg			11/30/23 11:25	1

Client Sample ID: BH-017

Lab Sample ID: 880-36142-15

Date Collected: 11/22/23 13:10

Matrix: Solid

Date Received: 11/28/23 08:05

Sample Depth: 0-6"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 04:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 04:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		11/29/23 15:31	11/30/23 04:53	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 04:53	1
o-Xylene	<0.00199	U *1	0.00199	mg/Kg		11/29/23 15:31	11/30/23 04:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		11/29/23 15:31	11/30/23 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/29/23 15:31	11/30/23 04:53	1
1,4-Difluorobenzene (Surr)	70		70 - 130	11/29/23 15:31	11/30/23 04:53	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			11/30/23 04:53	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<49.8	U	49.8	mg/Kg		11/28/23 11:07	11/29/23 16:48	1
>C12-C28	186		49.8	mg/Kg		11/28/23 11:07	11/29/23 16:48	1
>C28-C35	61.5		49.8	mg/Kg		11/28/23 11:07	11/29/23 16:48	1
Total TPH 1005	248		49.8	mg/Kg			11/29/23 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	85		70 - 130	11/28/23 11:07	11/29/23 16:48	1
o-Terphenyl (Surr)	84		70 - 130	11/28/23 11:07	11/29/23 16:48	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.03	mg/Kg			11/30/23 11:32	1

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## Surrogate Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-36142-1	BH-001	86	82
880-36142-1 MS	BH-001	81	99
880-36142-1 MSD	BH-001	97	91
880-36142-2	BH-002	91	79
880-36142-3	BH-005	108	65 S1-
880-36142-4	BH-006	106	55 S1-
880-36142-5	BH-007	113	73
880-36142-6	BH-008	89	68 S1-
880-36142-7	BH-009	110	68 S1-
880-36142-8	BH-010	110	66 S1-
880-36142-9	BH-011	114	74
880-36142-10	BH-012	94	65 S1-
880-36142-11	BH-013	95	69 S1-
880-36142-12	BH-014	140 S1+	91
880-36142-13	BH-015	100	72
880-36142-14	BH-016	148 S1+	72
880-36142-15	BH-017	96	70
LCS 880-67961/1-A	Lab Control Sample	141 S1+	101
LCSD 880-67961/2-A	Lab Control Sample Dup	100	102
MB 880-67901/5-A	Method Blank	76	87
MB 880-67961/5-A	Method Blank	84	85

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO (70-130)	OTPH (70-130)
880-36142-1	BH-001	87	88
880-36142-1 MS	BH-001	76	67 S1-
880-36142-1 MSD	BH-001	75	67 S1-
880-36142-2	BH-002	73	74
880-36142-3	BH-005	81	80
880-36142-4	BH-006	84	82
880-36142-5	BH-007	80	78
880-36142-6	BH-008	81	78
880-36142-7	BH-009	76	74
880-36142-8	BH-010	82	81
880-36142-9	BH-011	81	81
880-36142-10	BH-012	70	71
880-36142-11	BH-013	80	80
880-36142-12	BH-014	93	96
880-36142-13	BH-015	61 S1-	61 S1-
880-36142-14	BH-016	72	72
880-36142-15	BH-017	85	84
LCS 880-67839/2-A	Lab Control Sample	113	121

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Surrogate Summary

Client: Charger Rentals

Project/Site: Culebra BLV Fed Com

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Solid

Job ID: 880-36142-1

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO (70-130)	OTPH (70-130)
LCSD 880-67839/3-A	Lab Control Sample Dup	86	93
MB 880-67839/1-A	Method Blank	105	116
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

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

Lab Sample ID: MB 880-67901/5-A

Matrix: Solid

Analysis Batch: 67897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67901

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 09:09	11/29/23 11:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 09:09	11/29/23 11:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 09:09	11/29/23 11:06	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/29/23 09:09	11/29/23 11:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/29/23 09:09	11/29/23 11:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/29/23 09:09	11/29/23 11:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	11/29/23 09:09	11/29/23 11:06	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/29/23 09:09	11/29/23 11:06	1

Lab Sample ID: MB 880-67961/5-A

Matrix: Solid

Analysis Batch: 67897

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67961

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 22:43	1
Toluene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 22:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 22:43	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		11/29/23 15:31	11/29/23 22:43	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		11/29/23 15:31	11/29/23 22:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		11/29/23 15:31	11/29/23 22:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/29/23 15:31	11/29/23 22:43	1
1,4-Difluorobenzene (Surr)	85		70 - 130	11/29/23 15:31	11/29/23 22:43	1

Lab Sample ID: LCS 880-67961/1-A

Matrix: Solid

Analysis Batch: 67897

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07801		mg/Kg		78	70 - 130
Toluene	0.100	0.07743		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.09059		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1916		mg/Kg		96	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-67961/2-A

Matrix: Solid

Analysis Batch: 67897

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67961

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07809		mg/Kg		78	70 - 130	0	35

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

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

Lab Sample ID: LCSD 880-67961/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67897

Prep Batch: 67961

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.07054		mg/Kg		71	70 - 130	9	35
Ethylbenzene	0.100	0.07178		mg/Kg		72	70 - 130	23	35
m,p-Xylenes	0.200	0.1422		mg/Kg		71	70 - 130	30	35
o-Xylene	0.100	0.07305	*1	mg/Kg		73	70 - 130	38	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-36142-1 MS

Client Sample ID: BH-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67897

Prep Batch: 67961

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	0.03571	F1	mg/Kg		36	70 - 130
Toluene	<0.00200	U F1	0.0996	0.03328	F1	mg/Kg		33	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0996	0.02951	F1	mg/Kg		30	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.199	0.05873	F1	mg/Kg		29	70 - 130
o-Xylene	<0.00200	U F1 *1	0.0996	0.04927	F1	mg/Kg		49	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-36142-1 MSD

Client Sample ID: BH-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67897

Prep Batch: 67961

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0994	0.04932	F1	mg/Kg		50	70 - 130	32	35
Toluene	<0.00200	U F1	0.0994	0.04764	F1	mg/Kg		47	70 - 130	35	35
Ethylbenzene	<0.00200	U F2 F1	0.0994	0.04974	F2 F1	mg/Kg		50	70 - 130	51	35
m,p-Xylenes	<0.00399	U F2 F1	0.199	0.09501	F2 F1	mg/Kg		48	70 - 130	47	35
o-Xylene	<0.00200	U F1 *1	0.0994	0.04887	F1	mg/Kg		49	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-67839/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67894

Prep Batch: 67839

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	<50.0	U	50.0	mg/Kg		11/28/23 11:07	11/29/23 07:35	1
>C12-C28	<50.0	U	50.0	mg/Kg		11/28/23 11:07	11/29/23 07:35	1

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-67839/1-A

Matrix: Solid

Analysis Batch: 67894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 67839

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	<50.0	U	50.0	mg/Kg		11/28/23 11:07	11/29/23 07:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130			11/28/23 11:07	11/29/23 07:35	1
o-Terphenyl (Surr)	116		70 - 130			11/28/23 11:07	11/29/23 07:35	1

Lab Sample ID: LCS 880-67839/2-A

Matrix: Solid

Analysis Batch: 67894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 67839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12	1000	868.8		mg/Kg		87	75 - 125
>C12-C28	1000	883.8		mg/Kg		88	75 - 125
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	113		70 - 130				
o-Terphenyl (Surr)	121		70 - 130				

Lab Sample ID: LCSD 880-67839/3-A

Matrix: Solid

Analysis Batch: 67894

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 67839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C6-C12	1000	782.9		mg/Kg		78	75 - 125	10	25
>C12-C28	1000	805.5		mg/Kg		81	75 - 125	9	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	86		70 - 130						
o-Terphenyl (Surr)	93		70 - 130						

Lab Sample ID: 880-36142-1 MS

Matrix: Solid

Analysis Batch: 67894

Client Sample ID: BH-001

Prep Type: Total/NA

Prep Batch: 67839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12	<49.7	U	999	841.0		mg/Kg		80	75 - 125
>C12-C28	82.2	F1	999	690.8	F1	mg/Kg		61	75 - 125
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	76		70 - 130						
o-Terphenyl (Surr)	67	S1-	70 - 130						

Lab Sample ID: 880-36142-1 MSD

Matrix: Solid

Analysis Batch: 67894

Client Sample ID: BH-001

Prep Type: Total/NA

Prep Batch: 67839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C6-C12	<49.7	U	999	831.9		mg/Kg		79	75 - 125	1	25

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 880-36142-1 MSD

Client Sample ID: BH-001

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 67894

Prep Batch: 67839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
>C12-C28	82.2	F1	999	697.2	F1	mg/Kg		62	75 - 125	1	25
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	75		70 - 130								
o-Terphenyl (Surr)	67	S1-	70 - 130								

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67837/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/30/23 09:14	1

Lab Sample ID: LCS 880-67837/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Chloride	250	266.1		mg/Kg		106	90 - 110	

Lab Sample ID: LCSD 880-67837/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.0		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-36142-5 MS

Client Sample ID: BH-007

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Chloride	147		250	410.6		mg/Kg		105	90 - 110	

Lab Sample ID: 880-36142-5 MSD

Client Sample ID: BH-007

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	147		250	407.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-36142-15 MS

Client Sample ID: BH-017

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 67947

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Chloride	123		252	366.6		mg/Kg		97	90 - 110	

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-36142-15 MSD

Matrix: Solid

Analysis Batch: 67947

Client Sample ID: BH-017

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	123		252	365.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-67832/1-A

Matrix: Solid

Analysis Batch: 67963

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			11/29/23 22:05	1

Lab Sample ID: LCS 880-67832/2-A

Matrix: Solid

Analysis Batch: 67963

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-67832/3-A

Matrix: Solid

Analysis Batch: 67963

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.9		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

GC VOA

Analysis Batch: 67897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	8021B	67961
880-36142-2	BH-002	Total/NA	Solid	8021B	67961
880-36142-3	BH-005	Total/NA	Solid	8021B	67961
880-36142-4	BH-006	Total/NA	Solid	8021B	67961
880-36142-5	BH-007	Total/NA	Solid	8021B	67961
880-36142-6	BH-008	Total/NA	Solid	8021B	67961
880-36142-7	BH-009	Total/NA	Solid	8021B	67961
880-36142-8	BH-010	Total/NA	Solid	8021B	67961
880-36142-9	BH-011	Total/NA	Solid	8021B	67961
880-36142-10	BH-012	Total/NA	Solid	8021B	67961
880-36142-11	BH-013	Total/NA	Solid	8021B	67961
880-36142-12	BH-014	Total/NA	Solid	8021B	67961
880-36142-13	BH-015	Total/NA	Solid	8021B	67961
880-36142-14	BH-016	Total/NA	Solid	8021B	67961
880-36142-15	BH-017	Total/NA	Solid	8021B	67961
MB 880-67901/5-A	Method Blank	Total/NA	Solid	8021B	67901
MB 880-67961/5-A	Method Blank	Total/NA	Solid	8021B	67961
LCS 880-67961/1-A	Lab Control Sample	Total/NA	Solid	8021B	67961
LCSD 880-67961/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67961
880-36142-1 MS	BH-001	Total/NA	Solid	8021B	67961
880-36142-1 MSD	BH-001	Total/NA	Solid	8021B	67961

Prep Batch: 67901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67901/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	5035	
880-36142-2	BH-002	Total/NA	Solid	5035	
880-36142-3	BH-005	Total/NA	Solid	5035	
880-36142-4	BH-006	Total/NA	Solid	5035	
880-36142-5	BH-007	Total/NA	Solid	5035	
880-36142-6	BH-008	Total/NA	Solid	5035	
880-36142-7	BH-009	Total/NA	Solid	5035	
880-36142-8	BH-010	Total/NA	Solid	5035	
880-36142-9	BH-011	Total/NA	Solid	5035	
880-36142-10	BH-012	Total/NA	Solid	5035	
880-36142-11	BH-013	Total/NA	Solid	5035	
880-36142-12	BH-014	Total/NA	Solid	5035	
880-36142-13	BH-015	Total/NA	Solid	5035	
880-36142-14	BH-016	Total/NA	Solid	5035	
880-36142-15	BH-017	Total/NA	Solid	5035	
MB 880-67961/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67961/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67961/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36142-1 MS	BH-001	Total/NA	Solid	5035	
880-36142-1 MSD	BH-001	Total/NA	Solid	5035	



## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## GC VOA

## Analysis Batch: 68051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	Total BTEX	
880-36142-2	BH-002	Total/NA	Solid	Total BTEX	
880-36142-3	BH-005	Total/NA	Solid	Total BTEX	
880-36142-4	BH-006	Total/NA	Solid	Total BTEX	
880-36142-5	BH-007	Total/NA	Solid	Total BTEX	
880-36142-6	BH-008	Total/NA	Solid	Total BTEX	
880-36142-7	BH-009	Total/NA	Solid	Total BTEX	
880-36142-8	BH-010	Total/NA	Solid	Total BTEX	
880-36142-9	BH-011	Total/NA	Solid	Total BTEX	
880-36142-10	BH-012	Total/NA	Solid	Total BTEX	
880-36142-11	BH-013	Total/NA	Solid	Total BTEX	
880-36142-12	BH-014	Total/NA	Solid	Total BTEX	
880-36142-13	BH-015	Total/NA	Solid	Total BTEX	
880-36142-14	BH-016	Total/NA	Solid	Total BTEX	
880-36142-15	BH-017	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 67839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-2	BH-002	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-3	BH-005	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-4	BH-006	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-5	BH-007	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-6	BH-008	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-7	BH-009	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-8	BH-010	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-9	BH-011	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-10	BH-012	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-11	BH-013	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-12	BH-014	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-13	BH-015	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-14	BH-016	Total/NA	Solid	TX_1005_S_Pre p	
880-36142-15	BH-017	Total/NA	Solid	TX_1005_S_Pre p	
MB 880-67839/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre p	
LCS 880-67839/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre p	
LCSD 880-67839/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre p	

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## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## GC Semi VOA (Continued)

## Prep Batch: 67839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1 MS	BH-001	Total/NA	Solid	TX_1005_S_Pre	
880-36142-1 MSD	BH-001	Total/NA	Solid	TX_1005_S_Pre	

## Analysis Batch: 67894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	TX 1005	67839
880-36142-2	BH-002	Total/NA	Solid	TX 1005	67839
880-36142-3	BH-005	Total/NA	Solid	TX 1005	67839
880-36142-4	BH-006	Total/NA	Solid	TX 1005	67839
880-36142-5	BH-007	Total/NA	Solid	TX 1005	67839
880-36142-6	BH-008	Total/NA	Solid	TX 1005	67839
880-36142-7	BH-009	Total/NA	Solid	TX 1005	67839
880-36142-8	BH-010	Total/NA	Solid	TX 1005	67839
880-36142-9	BH-011	Total/NA	Solid	TX 1005	67839
880-36142-10	BH-012	Total/NA	Solid	TX 1005	67839
880-36142-11	BH-013	Total/NA	Solid	TX 1005	67839
880-36142-12	BH-014	Total/NA	Solid	TX 1005	67839
880-36142-13	BH-015	Total/NA	Solid	TX 1005	67839
880-36142-14	BH-016	Total/NA	Solid	TX 1005	67839
880-36142-15	BH-017	Total/NA	Solid	TX 1005	67839
MB 880-67839/1-A	Method Blank	Total/NA	Solid	TX 1005	67839
LCS 880-67839/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	67839
LCSD 880-67839/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	67839
880-36142-1 MS	BH-001	Total/NA	Solid	TX 1005	67839
880-36142-1 MSD	BH-001	Total/NA	Solid	TX 1005	67839

## Analysis Batch: 68016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Total/NA	Solid	TX 1005	
880-36142-2	BH-002	Total/NA	Solid	TX 1005	
880-36142-3	BH-005	Total/NA	Solid	TX 1005	
880-36142-4	BH-006	Total/NA	Solid	TX 1005	
880-36142-5	BH-007	Total/NA	Solid	TX 1005	
880-36142-6	BH-008	Total/NA	Solid	TX 1005	
880-36142-7	BH-009	Total/NA	Solid	TX 1005	
880-36142-8	BH-010	Total/NA	Solid	TX 1005	
880-36142-9	BH-011	Total/NA	Solid	TX 1005	
880-36142-10	BH-012	Total/NA	Solid	TX 1005	
880-36142-11	BH-013	Total/NA	Solid	TX 1005	
880-36142-12	BH-014	Total/NA	Solid	TX 1005	
880-36142-13	BH-015	Total/NA	Solid	TX 1005	
880-36142-14	BH-016	Total/NA	Solid	TX 1005	
880-36142-15	BH-017	Total/NA	Solid	TX 1005	

## HPLC/IC

## Leach Batch: 67832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Soluble	Solid	DI Leach	
880-36142-2	BH-002	Soluble	Solid	DI Leach	

Eurofins Midland

## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

## HPLC/IC (Continued)

## Leach Batch: 67832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-3	BH-005	Soluble	Solid	DI Leach	
880-36142-4	BH-006	Soluble	Solid	DI Leach	
MB 880-67832/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67832/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67832/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Leach Batch: 67837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-5	BH-007	Soluble	Solid	DI Leach	
880-36142-6	BH-008	Soluble	Solid	DI Leach	
880-36142-7	BH-009	Soluble	Solid	DI Leach	
880-36142-8	BH-010	Soluble	Solid	DI Leach	
880-36142-9	BH-011	Soluble	Solid	DI Leach	
880-36142-10	BH-012	Soluble	Solid	DI Leach	
880-36142-11	BH-013	Soluble	Solid	DI Leach	
880-36142-12	BH-014	Soluble	Solid	DI Leach	
880-36142-13	BH-015	Soluble	Solid	DI Leach	
880-36142-14	BH-016	Soluble	Solid	DI Leach	
880-36142-15	BH-017	Soluble	Solid	DI Leach	
MB 880-67837/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67837/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67837/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36142-5 MS	BH-007	Soluble	Solid	DI Leach	
880-36142-5 MSD	BH-007	Soluble	Solid	DI Leach	
880-36142-15 MS	BH-017	Soluble	Solid	DI Leach	
880-36142-15 MSD	BH-017	Soluble	Solid	DI Leach	

## Analysis Batch: 67947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-5	BH-007	Soluble	Solid	300.0	67837
880-36142-6	BH-008	Soluble	Solid	300.0	67837
880-36142-7	BH-009	Soluble	Solid	300.0	67837
880-36142-8	BH-010	Soluble	Solid	300.0	67837
880-36142-9	BH-011	Soluble	Solid	300.0	67837
880-36142-10	BH-012	Soluble	Solid	300.0	67837
880-36142-11	BH-013	Soluble	Solid	300.0	67837
880-36142-12	BH-014	Soluble	Solid	300.0	67837
880-36142-13	BH-015	Soluble	Solid	300.0	67837
880-36142-14	BH-016	Soluble	Solid	300.0	67837
880-36142-15	BH-017	Soluble	Solid	300.0	67837
MB 880-67837/1-A	Method Blank	Soluble	Solid	300.0	67837
LCS 880-67837/2-A	Lab Control Sample	Soluble	Solid	300.0	67837
LCSD 880-67837/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67837
880-36142-5 MS	BH-007	Soluble	Solid	300.0	67837
880-36142-5 MSD	BH-007	Soluble	Solid	300.0	67837
880-36142-15 MS	BH-017	Soluble	Solid	300.0	67837
880-36142-15 MSD	BH-017	Soluble	Solid	300.0	67837

## Analysis Batch: 67963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-1	BH-001	Soluble	Solid	300.0	67832

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QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

HPLC/IC (Continued)

Analysis Batch: 67963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36142-2	BH-002	Soluble	Solid	300.0	67832
880-36142-3	BH-005	Soluble	Solid	300.0	67832
880-36142-4	BH-006	Soluble	Solid	300.0	67832
MB 880-67832/1-A	Method Blank	Soluble	Solid	300.0	67832
LCS 880-67832/2-A	Lab Control Sample	Soluble	Solid	300.0	67832
LCSD 880-67832/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67832

## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-001

Lab Sample ID: 880-36142-1

Date Collected: 11/22/23 08:40

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/29/23 23:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/29/23 23:05	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.06 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 10:24	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 10:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67832	11/28/23 10:47	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67963	11/30/23 00:04	CH	EET MID

Client Sample ID: BH-002

Lab Sample ID: 880-36142-2

Date Collected: 11/22/23 08:53

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/29/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/29/23 23:25	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.94 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 11:32	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 11:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67832	11/28/23 10:47	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67963	11/30/23 00:21	CH	EET MID

Client Sample ID: BH-005

Lab Sample ID: 880-36142-3

Date Collected: 11/22/23 09:14

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/29/23 23:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/29/23 23:46	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.90 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 11:54	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 11:54	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67832	11/28/23 10:47	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	67963	11/30/23 00:26	CH	EET MID

Client Sample ID: BH-006

Lab Sample ID: 880-36142-4

Date Collected: 11/22/23 09:25

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 00:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 00:06	SM	EET MID

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## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-006

Lab Sample ID: 880-36142-4

Date Collected: 11/22/23 09:25

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TX_1005_S_Prep			10.08 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 12:16	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 12:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67832	11/28/23 10:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67963	11/30/23 00:32	CH	EET MID

Client Sample ID: BH-007

Lab Sample ID: 880-36142-5

Date Collected: 11/22/23 09:40

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 00:26	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 12:38	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 12:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 09:34	CH	EET MID

Client Sample ID: BH-008

Lab Sample ID: 880-36142-6

Date Collected: 11/22/23 09:53

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 00:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 00:47	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.92 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 13:02	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 13:02	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 09:54	CH	EET MID

Client Sample ID: BH-009

Lab Sample ID: 880-36142-7

Date Collected: 11/22/23 10:02

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 01:07	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.90 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 13:25	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 13:25	SM	EET MID

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## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-009

Lab Sample ID: 880-36142-7

Date Collected: 11/22/23 10:02

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:00	CH	EET MID

Client Sample ID: BH-010

Lab Sample ID: 880-36142-8

Date Collected: 11/22/23 10:20

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 01:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 01:28	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.00 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 13:47	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 13:47	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:07	CH	EET MID

Client Sample ID: BH-011

Lab Sample ID: 880-36142-9

Date Collected: 11/22/23 10:45

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 01:48	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.02 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 14:10	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 14:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:13	CH	EET MID

Client Sample ID: BH-012

Lab Sample ID: 880-36142-10

Date Collected: 11/22/23 11:15

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 02:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 02:09	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.09 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 14:32	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 14:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:33	CH	EET MID

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## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-013

Lab Sample ID: 880-36142-11

Date Collected: 11/22/23 11:30

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 03:31	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.09 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 15:17	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 15:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:39	CH	EET MID

Client Sample ID: BH-014

Lab Sample ID: 880-36142-12

Date Collected: 11/22/23 11:50

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 03:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 03:51	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.97 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 15:40	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 15:40	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:46	CH	EET MID

Client Sample ID: BH-015

Lab Sample ID: 880-36142-13

Date Collected: 11/22/23 12:13

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 04:12	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			9.92 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 16:02	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 16:02	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 10:53	CH	EET MID

Client Sample ID: BH-016

Lab Sample ID: 880-36142-14

Date Collected: 11/22/23 12:28

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 04:32	SM	EET MID

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## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Client Sample ID: BH-016

Lab Sample ID: 880-36142-14

Date Collected: 11/22/23 12:28

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TX_1005_S_Prep			9.93 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 16:25	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 16:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 11:25	CH	EET MID

Client Sample ID: BH-017

Lab Sample ID: 880-36142-15

Date Collected: 11/22/23 13:10

Matrix: Solid

Date Received: 11/28/23 08:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67961	11/29/23 15:31	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67897	11/30/23 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			68051	11/30/23 04:53	SM	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.05 g	10 mL	67839	11/28/23 11:07	TKC	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	67894	11/29/23 16:48	SM	EET MID
Total/NA	Analysis	TX 1005		1			68016	11/29/23 16:48	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67837	11/28/23 10:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67947	11/30/23 11:32	CH	EET MID

## Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX



Method Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure
- TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

## Sample Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com

Job ID: 880-36142-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-36142-1	BH-001	Solid	11/22/23 08:40	11/28/23 08:05	0-6"
880-36142-2	BH-002	Solid	11/22/23 08:53	11/28/23 08:05	0-6"
880-36142-3	BH-005	Solid	11/22/23 09:14	11/28/23 08:05	0-6"
880-36142-4	BH-006	Solid	11/22/23 09:25	11/28/23 08:05	0-6"
880-36142-5	BH-007	Solid	11/22/23 09:40	11/28/23 08:05	0-6"
880-36142-6	BH-008	Solid	11/22/23 09:53	11/28/23 08:05	0-6"
880-36142-7	BH-009	Solid	11/22/23 10:02	11/28/23 08:05	0-6"
880-36142-8	BH-010	Solid	11/22/23 10:20	11/28/23 08:05	0-6"
880-36142-9	BH-011	Solid	11/22/23 10:45	11/28/23 08:05	0-6"
880-36142-10	BH-012	Solid	11/22/23 11:15	11/28/23 08:05	0-6"
880-36142-11	BH-013	Solid	11/22/23 11:30	11/28/23 08:05	0-6"
880-36142-12	BH-014	Solid	11/22/23 11:50	11/28/23 08:05	0-6"
880-36142-13	BH-015	Solid	11/22/23 12:13	11/28/23 08:05	0-6"
880-36142-14	BH-016	Solid	11/22/23 12:28	11/28/23 08:05	0-6"
880-36142-15	BH-017	Solid	11/22/23 13:10	11/28/23 08:05	0-6"

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**36142**

RelInq	h (Signature)	ived'bf. (Sig'1'lture /	r , i,a Jme	Relinquished by- (Signature)	Received by (Signature)	Date/Time
1	<i>Ldi</i>	<i>///A</i>	<i>1110/11J</i>			
3	<i>9'</i>		<i>&gt;Xl</i>			
5						

## Login Sample Receipt Checklist

Client: Charger Rentals

Job Number: 880-36142-1

Login Number: 36142

List Source: Eurofins Midland

List Number: 1

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 <6mm (1/4").	N/A	





Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Marcus Gipson  
Charger Rentals  
23 West Industrial Loop  
Midland, Texas 79701

Generated 5/16/2024 2:29:31 PM

## JOB DESCRIPTION

Culebra BLV Fed Com #001H  
nAB1916430115

## JOB NUMBER

880-43475-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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



Generated  
5/16/2024 2:29:31 PM

Authorized for release by  
Holly Taylor, Project Manager  
[Holly.Taylor@et.eurofinsus.com](mailto:Holly.Taylor@et.eurofinsus.com)  
(806)794-1296

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Laboratory Job ID: 880-43475-1  
SDG: nAB1916430115

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Definitions/Glossary

Client: Charger Rentals

Job ID: 880-43475-1

Project/Site: Culebra BLV Fed Com #001H

SDG: nAB1916430115

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

**Case Narrative**

Client: Charger Rentals

Job ID: 880-43475-1

Project: Culebra BLV Fed Com #001H

**Job ID: 880-43475-1****Eurofins Midland****Job Narrative****880-43475-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 5/14/2024 4:42 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 15.5°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: DS1-001 (880-43475-1), DS2-001 (880-43475-2), DS3-001 (880-43475-3), DS4-001 (880-43475-4), DS5-001 (880-43475-5), DS6-001 (880 43475-6), DS7-001 (880-43475-7), DS8-001 (880-43475-8), DS9-001 (880-43475-9), DS10-001 (880-43475-10), DS11-001 (880-43475-11), DS12-001 (880-43475-12), DS13-001 (880-43475-13), DS14-001 (880-43475-14), DS15-001 (880 43475-15) and DS16-001 (880-43475-16).

**GC VOA**

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

**Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside the upper control limit: DS1-001 (880-43475-1), DS2-001 (880-43475-2), DS3-001 (880-43475-3), DS4-001 (880-43475-4), DS6-001 (880-43475-6), DS7-001 (880-43475-7), DS9-001 (880-43475-9), DS10-001 (880-43475-10), DS12-001 (880-43475-12), DS13-001 (880 43475-13), DS16-001 (880-43475-16) and (890-6654-A-1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: DS5-001 (880-43475-5), DS8-001 (880-43475-8) and DS11-001 (880-43475-11). 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**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80761 and 880-80761 and analytical batch 880-80804 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

DS2-001 (880-43475-2), DS3-001 (880-43475-3), DS4-001 (880-43475-4), DS5-001 (880-43475-5), DS6-001 (880-43475-6), DS7-001 (880-43475-7), DS8-001 (880-43475-8), DS9-001 (880-43475-9), DS10-001 (880-43475-10), DS11-001 (880-43475-11), (880-43475-A-2-F MS) and (880-43475-A-2-G MSD)

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

Eurofins Midland



## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS1-001

Lab Sample ID: 880-43475-1

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			05/14/24 17:00	05/15/24 12:34	1
1,4-Difluorobenzene (Surr)	104		70 - 130			05/14/24 17:00	05/15/24 12:34	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/15/24 12:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/24 13:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 13:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130			05/15/24 07:51	05/15/24 13:09	1
o-Terphenyl (Surr)	140	S1+	70 - 130			05/15/24 07:51	05/15/24 13:09	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.1		4.99	mg/Kg			05/15/24 15:58	1

Client Sample ID: DS2-001

Lab Sample ID: 880-43475-2

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 12:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 12:54	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS2-001

Lab Sample ID: 880-43475-2

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	05/14/24 17:00	05/15/24 12:54	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/15/24 12:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 13:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg	-	05/15/24 07:51	05/15/24 13:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 13:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			05/15/24 07:51	05/15/24 13:29	1
o-Terphenyl (Surr)	132	S1+	70 - 130			05/15/24 07:51	05/15/24 13:29	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	569	F1	5.03	mg/Kg			05/15/24 16:05	1

Client Sample ID: DS3-001

Lab Sample ID: 880-43475-3

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 13:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/14/24 17:00	05/15/24 13:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130			05/14/24 17:00	05/15/24 13:14	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/15/24 13:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 13:50	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS3-001

Lab Sample ID: 880-43475-3

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 13:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 13:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 13:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	113		70 - 130			05/15/24 07:51	05/15/24 13:50	1
o-Terphenyl (Surr)	133	S1+	70 - 130			05/15/24 07:51	05/15/24 13:50	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		24.9	mg/Kg			05/15/24 16:24	5

Client Sample ID: DS4-001

Lab Sample ID: 880-43475-4

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 13:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/14/24 17:00	05/15/24 13:35	1
1,4-Difluorobenzene (Surr)	106		70 - 130			05/14/24 17:00	05/15/24 13:35	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/15/24 13:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/24 14:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 14:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/15/24 07:51	05/15/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130			05/15/24 07:51	05/15/24 14:10	1
o-Terphenyl (Surr)	132	S1+	70 - 130			05/15/24 07:51	05/15/24 14:10	1

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Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS4-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-4  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		5.05	mg/Kg			05/15/24 16:30	1

Client Sample ID: DS5-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-5  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
m,p-Xylenes	<0.00403	U	0.00403	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		05/14/24 17:00	05/15/24 13:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			05/14/24 17:00	05/15/24 13:55	1
1,4-Difluorobenzene (Surr)	105		70 - 130			05/14/24 17:00	05/15/24 13:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			05/15/24 13:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.7		49.8	mg/Kg			05/15/24 14:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 14:31	1
Diesel Range Organics (Over C10-C28)	76.7		49.8	mg/Kg		05/15/24 07:51	05/15/24 14:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 14:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			05/15/24 07:51	05/15/24 14:31	1
o-Terphenyl (Surr)	137	S1+	70 - 130			05/15/24 07:51	05/15/24 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	478		4.98	mg/Kg			05/15/24 16:49	1

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS6-001

Lab Sample ID: 880-43475-6

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			05/14/24 17:00	05/15/24 14:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130			05/14/24 17:00	05/15/24 14:16	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/15/24 14:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			05/15/24 14:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 14:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 14:52	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 14:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	128		70 - 130			05/15/24 07:51	05/15/24 14:52	1
o-Terphenyl (Surr)	152	S1+	70 - 130			05/15/24 07:51	05/15/24 14:52	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	303		5.02	mg/Kg			05/15/24 16:55	1

Client Sample ID: DS7-001

Lab Sample ID: 880-43475-7

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/14/24 17:00	05/15/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130			05/14/24 17:00	05/15/24 14:36	1

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Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS7-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-7  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	104		70 - 130			05/14/24 17:00	05/15/24 14:36	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/15/24 14:36	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 15:12	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 15:12	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 15:12	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 15:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	116		70 - 130			05/15/24 07:51	05/15/24 15:12	1	
o-Terphenyl (Surr)	135	S1+	70 - 130			05/15/24 07:51	05/15/24 15:12	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	175		4.99	mg/Kg			05/15/24 17:02	1	

Client Sample ID: DS8-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-8  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
Toluene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		05/14/24 17:00	05/15/24 16:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 16:00	1	
1,4-Difluorobenzene (Surr)	106		70 - 130			05/14/24 17:00	05/15/24 16:00	1	
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00404	U	0.00404	mg/Kg			05/15/24 16:00	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	54.8		49.7	mg/Kg			05/15/24 15:53	1	

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Client Sample Results

Client: Charger Rentals

Job ID: 880-43475-1

Project/Site: Culebra BLV Fed Com #001H

SDG: nAB1916430115

Client Sample ID: DS8-001

Lab Sample ID: 880-43475-8

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 15:53	1	
Diesel Range Organics (Over C10-C28)	54.8		49.7	mg/Kg		05/15/24 07:51	05/15/24 15:53	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 15:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	126		70 - 130			05/15/24 07:51	05/15/24 15:53	1	
o-Terphenyl (Surr)	151	S1+	70 - 130			05/15/24 07:51	05/15/24 15:53	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	106		5.02	mg/Kg			05/15/24 17:08	1	

Client Sample ID: DS9-001

Lab Sample ID: 880-43475-9

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
Toluene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 16:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130			05/14/24 17:00	05/15/24 16:20	1	
1,4-Difluorobenzene (Surr)	106		70 - 130			05/14/24 17:00	05/15/24 16:20	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/15/24 16:20	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.6	U	49.6	mg/Kg			05/15/24 16:13	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	mg/Kg		05/15/24 07:51	05/15/24 16:13	1	
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg		05/15/24 07:51	05/15/24 16:13	1	
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg		05/15/24 07:51	05/15/24 16:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	118		70 - 130			05/15/24 07:51	05/15/24 16:13	1	
o-Terphenyl (Surr)	141	S1+	70 - 130			05/15/24 07:51	05/15/24 16:13	1	

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Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS9-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-9  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	534		5.00	mg/Kg			05/15/24 17:14	1

Client Sample ID: DS10-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42  
Sample Depth: 1.5'

Lab Sample ID: 880-43475-10  
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 16:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130			05/14/24 17:00	05/15/24 16:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/15/24 16:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			05/15/24 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 16:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 16:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	117		70 - 130			05/15/24 07:51	05/15/24 16:34	1
o-Terphenyl (Surr)	138	S1+	70 - 130			05/15/24 07:51	05/15/24 16:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.19		4.95	mg/Kg			05/15/24 17:21	1

## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS11-001

Lab Sample ID: 880-43475-11

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/14/24 17:00	05/15/24 17:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 17:01	1
1,4-Difluorobenzene (Surr)	105		70 - 130			05/14/24 17:00	05/15/24 17:01	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/15/24 17:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	124		49.7	mg/Kg			05/15/24 16:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 16:54	1
Diesel Range Organics (Over C10-C28)	124		49.7	mg/Kg		05/15/24 07:51	05/15/24 16:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	122		70 - 130			05/15/24 07:51	05/15/24 16:54	1
o-Terphenyl (Surr)	144	S1+	70 - 130			05/15/24 07:51	05/15/24 16:54	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.2		4.99	mg/Kg			05/15/24 17:27	1

Client Sample ID: DS12-001

Lab Sample ID: 880-43475-12

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 17:22	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS12-001

Lab Sample ID: 880-43475-12

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	05/14/24 17:00	05/15/24 17:22	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/15/24 17:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 17:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	05/15/24 07:51	05/15/24 17:14	1
o-Terphenyl (Surr)	144	S1+	70 - 130	05/15/24 07:51	05/15/24 17:14	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	643		4.95	mg/Kg			05/15/24 15:20	1

Client Sample ID: DS13-001

Lab Sample ID: 880-43475-13

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:42	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:42	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:42	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 17:42	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/14/24 17:00	05/15/24 17:42	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/14/24 17:00	05/15/24 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/14/24 17:00	05/15/24 17:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/14/24 17:00	05/15/24 17:42	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/15/24 17:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			05/15/24 17:35	1

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Client Sample Results

Client: Charger Rentals

Job ID: 880-43475-1

Project/Site: Culebra BLV Fed Com #001H

SDG: nAB1916430115

Client Sample ID: DS13-001

Lab Sample ID: 880-43475-13

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 17:35	1	
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 17:35	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 17:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	111		70 - 130			05/15/24 07:51	05/15/24 17:35	1	
o-Terphenyl (Surr)	131	S1+	70 - 130			05/15/24 07:51	05/15/24 17:35	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5.49		4.96	mg/Kg			05/15/24 15:36	1	

Client Sample ID: DS14-001

Lab Sample ID: 880-43475-14

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.0'

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/14/24 17:00	05/15/24 18:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130			05/14/24 17:00	05/15/24 18:03	1	
1,4-Difluorobenzene (Surr)	104		70 - 130			05/14/24 17:00	05/15/24 18:03	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/15/24 18:03	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	2140		49.7	mg/Kg			05/15/24 18:36	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 18:36	1	
Diesel Range Organics (Over C10-C28)	2140		49.7	mg/Kg		05/15/24 07:51	05/15/24 18:36	1	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/15/24 07:51	05/15/24 18:36	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane (Surr)	118		70 - 130			05/15/24 07:51	05/15/24 18:36	1	
o-Terphenyl (Surr)	99		70 - 130			05/15/24 07:51	05/15/24 18:36	1	

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS14-001

Lab Sample ID: 880-43475-14

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.0'

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		4.97	mg/Kg			05/15/24 15:41	1

Client Sample ID: DS15-001

Lab Sample ID: 880-43475-15

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.5'

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:23	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/14/24 17:00	05/15/24 18:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 18:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/24 17:00	05/15/24 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/14/24 17:00	05/15/24 18:23	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/14/24 17:00	05/15/24 18:23	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			05/15/24 18:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 17:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	110		70 - 130	05/15/24 07:51	05/15/24 17:55	1
o-Terphenyl (Surr)	129		70 - 130	05/15/24 07:51	05/15/24 17:55	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		5.04	mg/Kg			05/15/24 15:47	1

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## Client Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS16-001

Lab Sample ID: 880-43475-16

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Sample Depth: 1.0"

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/24 17:00	05/15/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130			05/14/24 17:00	05/15/24 18:44	1
1,4-Difluorobenzene (Surr)	104		70 - 130			05/14/24 17:00	05/15/24 18:44	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/15/24 18:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/24 18:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 18:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 18:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/15/24 07:51	05/15/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	121		70 - 130			05/15/24 07:51	05/15/24 18:16	1
o-Terphenyl (Surr)	141	S1+	70 - 130			05/15/24 07:51	05/15/24 18:16	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99	mg/Kg			05/15/24 15:52	1

Surrogate Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-43475-1	DS1-001	111	104				
880-43475-2	DS2-001	112	105				
880-43475-3	DS3-001	113	106				
880-43475-4	DS4-001	113	106				
880-43475-5	DS5-001	111	105				
880-43475-6	DS6-001	113	107				
880-43475-7	DS7-001	111	104				
880-43475-8	DS8-001	112	106				
880-43475-9	DS9-001	113	106				
880-43475-10	DS10-001	112	105				
880-43475-11	DS11-001	112	105				
880-43475-12	DS12-001	112	105				
880-43475-13	DS13-001	111	104				
880-43475-14	DS14-001	109	104				
880-43475-15	DS15-001	116	106				
880-43475-16	DS16-001	112	104				
LCS 880-80640/1-A	Lab Control Sample	108	102				
LCSD 880-80640/2-A	Lab Control Sample Dup	106	102				
MB 880-80640/5-A	Method Blank	110	102				
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 (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-43475-1	DS1-001	120	140 S1+				
880-43475-2	DS2-001	111	132 S1+				
880-43475-3	DS3-001	113	133 S1+				
880-43475-4	DS4-001	111	132 S1+				
880-43475-5	DS5-001	117	137 S1+				
880-43475-6	DS6-001	128	152 S1+				
880-43475-7	DS7-001	116	139 S1+				
880-43475-8	DS8-001	126	151 S1+				
880-43475-9	DS9-001	118	141 S1+				
880-43475-10	DS10-001	117	138 S1+				
880-43475-11	DS11-001	122	144 S1+				
880-43475-12	DS12-001	120	144 S1+				
880-43475-13	DS13-001	111	131 S1+				
880-43475-14	DS14-001	118	99				
880-43475-15	DS15-001	110	129				
880-43475-16	DS16-001	121	141 S1+				
LCS 880-80745/2-A	Lab Control Sample	100	99				
LCSD 880-80745/3-A	Lab Control Sample Dup	103	102				
MB 880-80745/1-A	Method Blank	101	122				
Surrogate Legend							

Surrogate Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H  
1CO = 1-Chlorooctane (Surr)  
OTPH = o-Terphenyl (Surr)

Job ID: 880-43475-1  
SDG: nAB1916430115

- 1
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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

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

Lab Sample ID: MB 880-80640/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 80746

Prep Batc : 80640

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 11:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 11:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 11:11	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		05/14/24 17:00	05/15/24 11:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/24 17:00	05/15/24 11:11	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/24 17:00	05/15/24 11:11	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	110		70 - 130	05/14/24 17:00	05/15/24 11:11	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/14/24 17:00	05/15/24 11:11	1

Lab Sample ID: LCS 880-80640/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 80746

Prep Batch: 80640

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09153		mg/Kg		92	70 - 130
Toluene	0.100	0.09102		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09653		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1975		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-80640/2-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 80746

Prep Batch: 80640

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09347		mg/Kg		93	70 - 130	2	35
Toluene	0.100	0.09278		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.09882		mg/Kg		99	70 - 130	2	35
m,p-Xylenes	0.200	0.2020		mg/Kg		101	70 - 130	2	35
o-Xylene	0.100	0.1036		mg/Kg		104	70 - 130	1	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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## QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

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

Lab Sample ID: MB 880-80745/1-A

Matrix: Solid

Analysis Batch: 80750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 80745

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/15/24 07:51	05/15/24 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/15/24 07:51	05/15/24 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/15/24 07:51	05/15/24 09:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130			05/15/24 07:51	05/15/24 09:04	1
o-Terphenyl (Surr)	122		70 - 130			05/15/24 07:51	05/15/24 09:04	1

Lab Sample ID: LCS 880-80745/2-A

Matrix: Solid

Analysis Batch: 80750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	860.0		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	746.3		mg/Kg		75	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	100		70 - 130				
o-Terphenyl (Surr)	99		70 - 130				

Lab Sample ID: LCSD 880-80745/3-A

Matrix: Solid

Analysis Batch: 80750

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 80745

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	866.8		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	779.9		mg/Kg		78	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	103		70 - 130						
o-Terphenyl (Surr)	102		70 - 130						

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80761/1-A

Matrix: Solid

Analysis Batch: 80804

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			05/15/24 14:18	1

Eurofins Midland

QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-80761/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80804

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	235.5		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-80761/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80804

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.9		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-43475-2 MS

Client Sample ID: DS2-001

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80804

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	569	F1	252	772.7	F1	mg/Kg		81	90 - 110		

Lab Sample ID: 880-43475-2 MSD

Client Sample ID: DS2-001

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80804

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	569	F1	252	775.7	F1	mg/Kg		82	90 - 110	0	20

Lab Sample ID: MB 880-80763/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80807

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			05/15/24 15:03	1		

Lab Sample ID: LCS 880-80763/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80807

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-80763/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	252.0		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-43475-12 MS

Client Sample ID: DS12-001

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 80807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	643		248	884.4		mg/Kg		97	90 - 110		

QC Sample Results

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-43475-12 **MSD**  
Matrix: Solid  
Analysis Batch: 80807

Client Sample ID: DS12-001  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	643		248	885.7		mg/Kg	-	98	90 - 110	0	20

QC Association Summary

Client: Charger Rentals

Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1

SDG: nAB1916430115

GC VOA

Prep Batch: 80640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	5035	
880-43475-2	DS2-001	Total/NA	Solid	5035	
880-43475-3	DS3-001	Total/NA	Solid	5035	
880-43475-4	DS4-001	Total/NA	Solid	5035	
880-43475-5	DS5-001	Total/NA	Solid	5035	
880-43475-6	DS6-001	Total/NA	Solid	5035	
880-43475-7	DS7-001	Total/NA	Solid	5035	
880-43475-8	DS8-001	Total/NA	Solid	5035	
880-43475-9	DS9-001	Total/NA	Solid	5035	
880-43475-10	DS10-001	Total/NA	Solid	5035	
880-43475-11	DS11-001	Total/NA	Solid	5035	
880-43475-12	DS12-001	Total/NA	Solid	5035	
880-43475-13	DS13-001	Total/NA	Solid	5035	
880-43475-14	DS14-001	Total/NA	Solid	5035	
880-43475-15	DS15-001	Total/NA	Solid	5035	
880-43475-16	DS16-001	Total/NA	Solid	5035	
MB 880-80640/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80640/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80640/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 80746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	8021B	80640
880-43475-2	DS2-001	Total/NA	Solid	8021B	80640
880-43475-3	DS3-001	Total/NA	Solid	8021B	80640
880-43475-4	DS4-001	Total/NA	Solid	8021B	80640
880-43475-5	DS5-001	Total/NA	Solid	8021B	80640
880-43475-6	DS6-001	Total/NA	Solid	8021B	80640
880-43475-7	DS7-001	Total/NA	Solid	8021B	80640
880-43475-8	DS8-001	Total/NA	Solid	8021B	80640
880-43475-9	DS9-001	Total/NA	Solid	8021B	80640
880-43475-10	DS10-001	Total/NA	Solid	8021B	80640
880-43475-11	DS11-001	Total/NA	Solid	8021B	80640
880-43475-12	DS12-001	Total/NA	Solid	8021B	80640
880-43475-13	DS13-001	Total/NA	Solid	8021B	80640
880-43475-14	DS14-001	Total/NA	Solid	8021B	80640
880-43475-15	DS15-001	Total/NA	Solid	8021B	80640
880-43475-16	DS16-001	Total/NA	Solid	8021B	80640
MB 880-80640/5-A	Method Blank	Total/NA	Solid	8021B	80640
LCS 880-80640/1-A	Lab Control Sample	Total/NA	Solid	8021B	80640
LCSD 880-80640/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80640

Analysis Batch: 80870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	Total BTEX	
880-43475-2	DS2-001	Total/NA	Solid	Total BTEX	
880-43475-3	DS3-001	Total/NA	Solid	Total BTEX	
880-43475-4	DS4-001	Total/NA	Solid	Total BTEX	
880-43475-5	DS5-001	Total/NA	Solid	Total BTEX	
880-43475-6	DS6-001	Total/NA	Solid	Total BTEX	
880-43475-7	DS7-001	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

## GC VOA (Continued)

## Analysis Batch: 80870 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-8	DS8-001	Total/NA	Solid	Total BTEX	
880-43475-9	DS9-001	Total/NA	Solid	Total BTEX	
880-43475-10	DS10-001	Total/NA	Solid	Total BTEX	
880-43475-11	DS11-001	Total/NA	Solid	Total BTEX	
880-43475-12	DS12-001	Total/NA	Solid	Total BTEX	
880-43475-13	DS13-001	Total/NA	Solid	Total BTEX	
880-43475-14	DS14-001	Total/NA	Solid	Total BTEX	
880-43475-15	DS15-001	Total/NA	Solid	Total BTEX	
880-43475-16	DS16-001	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 80745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	8015NM Prep	
880-43475-2	DS2-001	Total/NA	Solid	8015NM Prep	
880-43475-3	DS3-001	Total/NA	Solid	8015NM Prep	
880-43475-4	DS4-001	Total/NA	Solid	8015NM Prep	
880-43475-5	DS5-001	Total/NA	Solid	8015NM Prep	
880-43475-6	DS6-001	Total/NA	Solid	8015NM Prep	
880-43475-7	DS7-001	Total/NA	Solid	8015NM Prep	
880-43475-8	DS8-001	Total/NA	Solid	8015NM Prep	
880-43475-9	DS9-001	Total/NA	Solid	8015NM Prep	
880-43475-10	DS10-001	Total/NA	Solid	8015NM Prep	
880-43475-11	DS11-001	Total/NA	Solid	8015NM Prep	
880-43475-12	DS12-001	Total/NA	Solid	8015NM Prep	
880-43475-13	DS13-001	Total/NA	Solid	8015NM Prep	
880-43475-14	DS14-001	Total/NA	Solid	8015NM Prep	
880-43475-15	DS15-001	Total/NA	Solid	8015NM Prep	
880-43475-16	DS16-001	Total/NA	Solid	8015NM Prep	
MB 880-80745/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80745/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 80750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	8015B NM	80745
880-43475-2	DS2-001	Total/NA	Solid	8015B NM	80745
880-43475-3	DS3-001	Total/NA	Solid	8015B NM	80745
880-43475-4	DS4-001	Total/NA	Solid	8015B NM	80745
880-43475-5	DS5-001	Total/NA	Solid	8015B NM	80745
880-43475-6	DS6-001	Total/NA	Solid	8015B NM	80745
880-43475-7	DS7-001	Total/NA	Solid	8015B NM	80745
880-43475-8	DS8-001	Total/NA	Solid	8015B NM	80745
880-43475-9	DS9-001	Total/NA	Solid	8015B NM	80745
880-43475-10	DS10-001	Total/NA	Solid	8015B NM	80745
880-43475-11	DS11-001	Total/NA	Solid	8015B NM	80745
880-43475-12	DS12-001	Total/NA	Solid	8015B NM	80745
880-43475-13	DS13-001	Total/NA	Solid	8015B NM	80745
880-43475-14	DS14-001	Total/NA	Solid	8015B NM	80745
880-43475-15	DS15-001	Total/NA	Solid	8015B NM	80745

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QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

GC Semi VOA (Continued)

Analysis Batch: 80750 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-16	DS16-001	Total/NA	Solid	8015B NM	80745
MB 880-80745/1-A	Method Blank	Total/NA	Solid	8015B NM	80745
LCS 880-80745/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80745
LCSD 880-80745/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80745

Analysis Batch: 80894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Total/NA	Solid	8015 NM	
880-43475-2	DS2-001	Total/NA	Solid	8015 NM	
880-43475-3	DS3-001	Total/NA	Solid	8015 NM	
880-43475-4	DS4-001	Total/NA	Solid	8015 NM	
880-43475-5	DS5-001	Total/NA	Solid	8015 NM	
880-43475-6	DS6-001	Total/NA	Solid	8015 NM	
880-43475-7	DS7-001	Total/NA	Solid	8015 NM	
880-43475-8	DS8-001	Total/NA	Solid	8015 NM	
880-43475-9	DS9-001	Total/NA	Solid	8015 NM	
880-43475-10	DS10-001	Total/NA	Solid	8015 NM	
880-43475-11	DS11-001	Total/NA	Solid	8015 NM	
880-43475-12	DS12-001	Total/NA	Solid	8015 NM	
880-43475-13	DS13-001	Total/NA	Solid	8015 NM	
880-43475-14	DS14-001	Total/NA	Solid	8015 NM	
880-43475-15	DS15-001	Total/NA	Solid	8015 NM	
880-43475-16	DS16-001	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Soluble	Solid	DI Leach	
880-43475-2	DS2-001	Soluble	Solid	DI Leach	
880-43475-3	DS3-001	Soluble	Solid	DI Leach	
880-43475-4	DS4-001	Soluble	Solid	DI Leach	
880-43475-5	DS5-001	Soluble	Solid	DI Leach	
880-43475-6	DS6-001	Soluble	Solid	DI Leach	
880-43475-7	DS7-001	Soluble	Solid	DI Leach	
880-43475-8	DS8-001	Soluble	Solid	DI Leach	
880-43475-9	DS9-001	Soluble	Solid	DI Leach	
880-43475-10	DS10-001	Soluble	Solid	DI Leach	
880-43475-11	DS11-001	Soluble	Solid	DI Leach	
MB 880-80761/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80761/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80761/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43475-2 MS	DS2-001	Soluble	Solid	DI Leach	
880-43475-2 MSD	DS2-001	Soluble	Solid	DI Leach	

Leach Batch: 80763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-12	DS12-001	Soluble	Solid	DI Leach	
880-43475-13	DS13-001	Soluble	Solid	DI Leach	
880-43475-14	DS14-001	Soluble	Solid	DI Leach	
880-43475-15	DS15-001	Soluble	Solid	DI Leach	

QC Association Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

HPLC/IC (Continued)

Leach Batch: 80763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-16	DS16-001	Soluble	Solid	DI Leach	
MB 880-80763/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80763/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80763/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43475-12 MS	DS12-001	Soluble	Solid	DI Leach	
880-43475-12 MSD	DS12-001	Soluble	Solid	DI Leach	

Analysis Batch: 80804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-1	DS1-001	Soluble	Solid	300.0	80761
880-43475-2	DS2-001	Soluble	Solid	300.0	80761
880-43475-3	DS3-001	Soluble	Solid	300.0	80761
880-43475-4	DS4-001	Soluble	Solid	300.0	80761
880-43475-5	DS5-001	Soluble	Solid	300.0	80761
880-43475-6	DS6-001	Soluble	Solid	300.0	80761
880-43475-7	DS7-001	Soluble	Solid	300.0	80761
880-43475-8	DS8-001	Soluble	Solid	300.0	80761
880-43475-9	DS9-001	Soluble	Solid	300.0	80761
880-43475-10	DS10-001	Soluble	Solid	300.0	80761
880-43475-11	DS11-001	Soluble	Solid	300.0	80761
MB 880-80761/1-A	Method Blank	Soluble	Solid	300.0	80761
LCS 880-80761/2-A	Lab Control Sample	Soluble	Solid	300.0	80761
LCSD 880-80761/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80761
880-43475-2 MS	DS2-001	Soluble	Solid	300.0	80761
880-43475-2 MSD	DS2-001	Soluble	Solid	300.0	80761

Analysis Batch: 80807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43475-12	DS12-001	Soluble	Solid	300.0	80763
880-43475-13	DS13-001	Soluble	Solid	300.0	80763
880-43475-14	DS14-001	Soluble	Solid	300.0	80763
880-43475-15	DS15-001	Soluble	Solid	300.0	80763
880-43475-16	DS16-001	Soluble	Solid	300.0	80763
MB 880-80763/1-A	Method Blank	Soluble	Solid	300.0	80763
LCS 880-80763/2-A	Lab Control Sample	Soluble	Solid	300.0	80763
LCSD 880-80763/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80763
880-43475-12 MS	DS12-001	Soluble	Solid	300.0	80763
880-43475-12 MSD	DS12-001	Soluble	Solid	300.0	80763

Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS1-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-1  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 12:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 13:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 15:58	SMC	EET MID

Client Sample ID: DS2-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-2  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 12:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 13:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 13:29	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 16:05	SMC	EET MID

Client Sample ID: DS3-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-3  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 13:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 13:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 13:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 13:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80804	05/15/24 16:24	SMC	EET MID

Client Sample ID: DS4-001  
Date Collected: 05/14/24 00:00  
Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-4  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 13:35	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS4-001

Date Collected: 05/14/24 00:00

Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80894	05/15/24 14:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 14:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 16:30	SMC	EET MID

Client Sample ID: DS5-001

Date Collected: 05/14/24 00:00

Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 13:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 14:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 14:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 16:49	SMC	EET MID

Client Sample ID: DS6-001

Date Collected: 05/14/24 00:00

Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 14:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 14:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 16:55	SMC	EET MID

Client Sample ID: DS7-001

Date Collected: 05/14/24 00:00

Date Received: 05/14/24 16:42

Lab Sample ID: 880-43475-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 14:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 15:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 15:12	SM	EET MID

Eurofins Midland



## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS7-001

Lab Sample ID: 880-43475-7

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 17:02	SMC	EET MID

Client Sample ID: DS8-001

Lab Sample ID: 880-43475-8

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 16:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 16:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 15:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 15:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 17:08	SMC	EET MID

Client Sample ID: DS9-001

Lab Sample ID: 880-43475-9

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 16:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 16:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 17:14	SMC	EET MID

Client Sample ID: DS10-001

Lab Sample ID: 880-43475-10

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 16:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 16:34	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 17:21	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

**Client Sample ID: DS11-001**  
**Date Collected: 05/14/24 00:00**  
**Date Received: 05/14/24 16:42**

**Lab Sample ID: 880-43475-11**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 17:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 17:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 16:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 16:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80761	05/15/24 09:29	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80804	05/15/24 17:27	SMC	EET MID

**Client Sample ID: DS12-001**  
**Date Collected: 05/14/24 00:00**  
**Date Received: 05/14/24 16:42**

**Lab Sample ID: 880-43475-12**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 17:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 17:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	80763	05/15/24 09:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80807	05/15/24 15:20	SMC	EET MID

**Client Sample ID: DS13-001**  
**Date Collected: 05/14/24 00:00**  
**Date Received: 05/14/24 16:42**

**Lab Sample ID: 880-43475-13**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 17:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 17:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	80763	05/15/24 09:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80807	05/15/24 15:36	SMC	EET MID

**Client Sample ID: DS14-001**  
**Date Collected: 05/14/24 00:00**  
**Date Received: 05/14/24 16:42**

**Lab Sample ID: 880-43475-14**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 18:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 18:03	SM	EET MID

Eurofins Midland

## Lab Chronicle

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Client Sample ID: DS14-001

Lab Sample ID: 880-43475-14

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			80894	05/15/24 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 18:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	80763	05/15/24 09:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80807	05/15/24 15:41	SMC	EET MID

Client Sample ID: DS15-001

Lab Sample ID: 880-43475-15

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 18:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	80763	05/15/24 09:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80807	05/15/24 15:47	SMC	EET MID

Client Sample ID: DS16-001

Lab Sample ID: 880-43475-16

Date Collected: 05/14/24 00:00

Matrix: Solid

Date Received: 05/14/24 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	80640	05/14/24 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	80746	05/15/24 18:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			80870	05/15/24 18:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			80894	05/15/24 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	80745	05/15/24 07:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	80750	05/15/24 18:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	80763	05/15/24 09:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80807	05/15/24 15:52	SMC	EET MID

## Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification .			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- 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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: Charger Rentals  
Project/Site: Culebra BLV Fed Com #001H

Job ID: 880-43475-1  
SDG: nAB1916430115

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-43475-1	DS1-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-2	DS2-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-3	DS3-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-4	DS4-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-5	DS5-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-6	DS6-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-7	DS7-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-8	DS8-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-9	DS9-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-10	DS10-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-11	DS11-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-12	DS12-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-13	DS13-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-14	DS14-001	Solid	05/14/24 00:00	05/14/24 16:42	1.0'
880-43475-15	DS15-001	Solid	05/14/24 00:00	05/14/24 16:42	1.5'
880-43475-16	DS16-001	Solid	05/14/24 00:00	05/14/24 16:42	1.0"



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Lf75'

Work Order No:

www.xenco.com Page b of 2-

Project Manager:	Marcus Gipson	Billto: (if diff ntl)	Ray Ramos
Company Name:	Charger Services, LLC 23	Company Name:	BTA Oil Producers, LLC
Address:	W InoufriafLoop	Address:	104 S. Pecos Street
City, State ZIP:	M@laid Tx 79701	City, State ZIP:	Midland, Texas 79701
Phone:	(432) 557-2296	Email:	marcus.gipson@chargerservices.com

Project Name:	Culebra BLV Fed Com #001H	Pres Code	
Profit Number:	nAB1916430115	e9Routine	ORush
Project Location:	New Mexico	Due Date:	
Sampler's Name:	Kevin	TAT Starts/Day received by the lab, if received by 4:30pm	
Sample #		Temp Blank:	Yes No
SAMPLE RECEIPT		Yes No	Wetice:
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler/Cultivity Seals:	Yes No N/A	Correction Factor	
Sample Custody seals:	Yes No N/A	Temperature Reading:	
Total Containers:		Corrected Temperature:	
Sample Identification	Matrix	Pate Sampled	Time Sampled
1) S it - Oo 1.	5c l f: li 2.1		11. S- 1. 2.1
DS 1.1. -oc: 1.	So l f: 1>2.1		1. 2.1
DS 1.7. ** O<: 1.	Se l f: 1-1 2.1		1. 2.1
DHY -001.	S " l t: 1-1 2.1		1. 2.1
1) i> -001.	5c l f: 1-1 2.1		1. 2.1
1) 5> 1c. - QQ 1.	S " l 5-1 1.5		1. 2.1

Total 200.7 /6010 200.8/6020: 8RCRA 13PPM Texas 11. Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed ICLP/SPLE010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti IJ Hg. 1631 / 245 1 /7470 /7471

Eu/Olins/Xenco. A minimum charge of \$85.00 will be applied to each point. Initial charge at \$500 each sample submitted to Eu/Olins/Xenco. but not analyzed. The terms will be in good faith unless previously negotiated.

Relinquished by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Login Sample Receipt Checklist

Client: Charger Rentals

Job Number: 880-43475-1  
SDG Number: nAB1916430115

Login Number: 43475

List Source: Eurofins Midland

List Number: 1  
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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

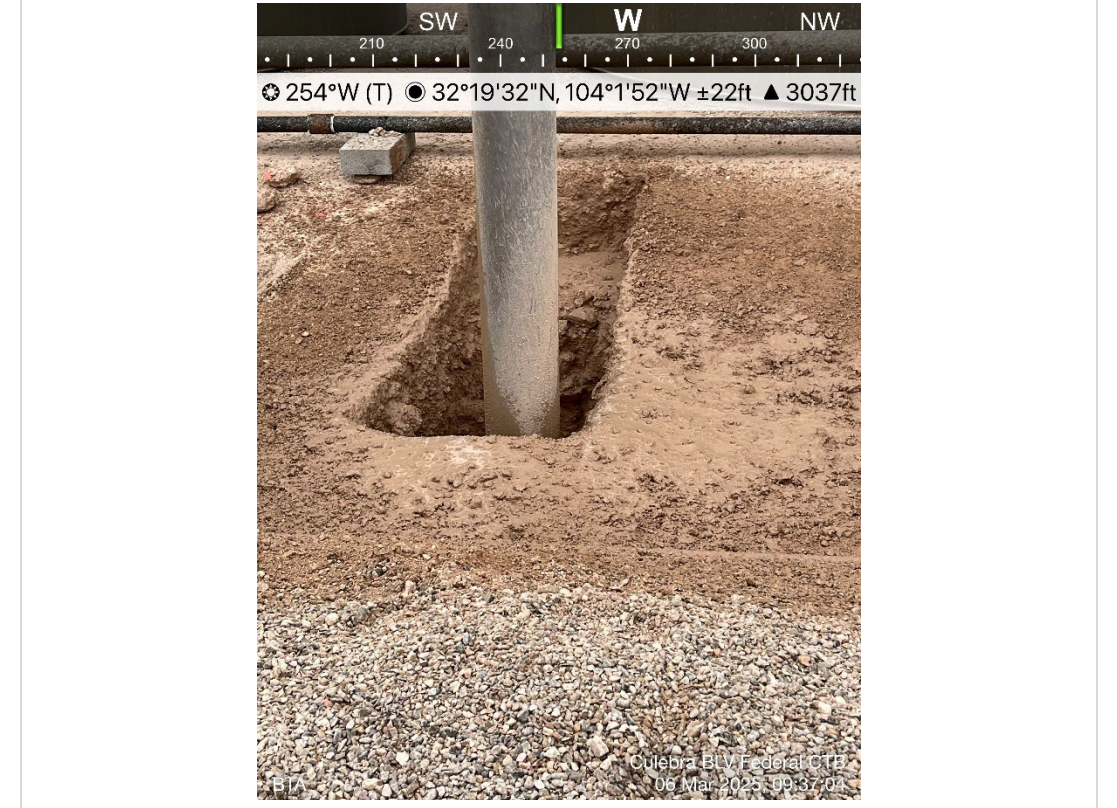
## **APPENDIX D**

# **Photographic Documentation**





TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View west of site signage. Culebra BLV Federal CTB.	1
	SITE NAME	Culebra BLV Federal Com #001H Release	3/6/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View west of hydro excavation near tank battery.	2
	SITE NAME	Culebra BLV Federal Com #001H Release	3/6/2025





TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View of hydro excavation progress.	3
	SITE NAME	Culebra BLV Federal Com #001H Release	3/6/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View of hydro excavation progress.	4
	SITE NAME	Culebra BLV Federal Com #001H Release	3/7/2025





TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View of hydro excavation progress.	5
	SITE NAME	Culebra BLV Federal Com #001H Release	3/7/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View of hydro excavation progress.	6
	SITE NAME	Culebra BLV Federal Com #001H Release	3/7/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03608	DESCRIPTION	View northwest of approximate 2ft. bgs excavation near tank battery. Approximate deferral area.	7
	SITE NAME	Culebra BLV Federal Com #001H Release	3/7/2025

## **APPENDIX E**

### **Regulatory Correspondence**



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 438679

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438679
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAB1916430115
Incident Name	NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY @ 30-015-37615
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-37615] CULEBRA BLV FEDERAL COM #001H

Location of Release Source	
Site Name	CULEBRA BLV FEDERAL COM #001H TANK BATTERY
Date Release Discovered	06/08/2019
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	390
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/07/2025
Time sampling will commence	04:00 PM
Please provide any information necessary for observers to contact samplers	Please contact Nicholas Poole at (512)560-9064 or <a href="mailto:Nicholas.Poole@tetrattech.com">Nicholas.Poole@tetrattech.com</a>
Please provide any information necessary for navigation to sampling site	FROM THE INTERSECTION OF U.S. REFINERY RD AND POTASH MINES RD, TRAVEL NORTHWEST ON U.S. REFINERY RD FOR APPROXIMATELY 1400 FT. CONTINUE NORTHEAST ON UNNAMED LEASE RD FOR APPROXIMATELY 1340 FT. CONTINUE NORTH ONTO LEASE PAD FOR APPROXIMATELY 90 FT TO ARRIVE SOUTHEAST CORNER OF THE CULEBRA BLV FEDERAL COM #001H CTB

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

CONDITIONS

Action 438679

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 438679
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
nicholas poole	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/4/2025

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

QUESTIONS

Action 440807

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 440807
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAB1916430115
Incident Name	NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY @ 30-015-37615
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-37615] CULEBRA BLV FEDERAL COM #001H

Location of Release Source	
Site Name	CULEBRA BLV FEDERAL COM #001H TANK BATTERY
Date Release Discovered	06/08/2019
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	390
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
Time sampling will commence	03:00 PM
Please provide any information necessary for observers to contact samplers	Please contact Samantha Allen at (512) 788- 2948 or Samantha.Allen@Tetra tech.com
Please provide any information necessary for navigation to sampling site	FROM THE INTERSECTION OF U.S. REFINERY RD AND POTASH MINES RD, TRAVEL NORTHWEST ON U.S. REFINERY RD FOR APPROXIMATELY 1400 FT. CONTINUE NORTHEAST ON UNNAMED LEASE RD FOR APPROXIMATELY 1340 FT. CONTINUE NORTH ONTO LEASE PAD FOR APPROXIMATELY 90 FT TO ARRIVE SOUTHEAST CORNER OF THE CULEBRA BLV FEDERAL COM #001H CTB

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 440807

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 440807
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sallen	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/10/2025

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 441838

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 441838
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1916430115
Incident Name	NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY @ 30-015-37615
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-37615] CULEBRA BLV FEDERAL COM #001H

<b>Location of Release Source</b>	
Site Name	CULEBRA BLV FEDERAL COM #001H TANK BATTERY
Date Release Discovered	06/08/2019
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	390
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Samantha Allen at (512) 7882948 or Samantha.Allen@Tetra tech.com
Please provide any information necessary for navigation to sampling site	FROM THE INTERSECTION OF U.S. REFINERY RD AND POTASH MINES RD, TRAVEL NORTHWEST ON U.S. REFINERY RD FOR APPROXIMATELY 1400 FT. CONTINUE NORTHEAST ON UNNAMED LEASE RD FOR APPROXIMATELY 1340 FT. CONTINUE NORTH ONTO LEASE PAD FOR APPROXIMATELY 90 FT TO ARRIVE SOUTHEAST CORNER OF THE CULEBRA BLV FEDERAL COM #001H CTB



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 441838

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 441838
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
sallen	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/12/2025

## **APPENDIX F**

### **Analytical Laboratory Reports**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

October 04, 2024

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CULEBRA BLV FEDERAL COM #001 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 15:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 1 @ 1' (H246035-01)**

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83	
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19	
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89	
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24	
Total BTX	<0.300	0.300	10/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: KV				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/04/2024	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2024	ND	212	106	200	0.754	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	209	104	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 2 @ 1' (H246035-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 3 @ 1' (H246035-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEx	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 4 @ 1' (H246035-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15		
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58		
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND						

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 5 @ 2-2.5' (H246035-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 6 @ 2-2.5' (H246035-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEx	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 7 @ 2-2.5' (H246035-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTX	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/03/2024	Sampling Date:	10/03/2024
Reported:	10/04/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	BTA - EDDY CO NM		

**Sample ID: AH - 8 @ 2-2.5' (H246035-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/04/2024	ND	1.46	72.9	2.00	6.83		
Toluene*	<0.050	0.050	10/04/2024	ND	1.41	70.3	2.00	7.19		
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	1.44	71.9	2.00	7.89		
Total Xylenes*	<0.150	0.150	10/04/2024	ND	4.28	71.3	6.00	7.24		
Total BTEx	<0.300	0.300	10/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/04/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	65.5	50.0	10/03/2024	ND	207	104	200	2.15	
DRO >C10-C28*	7530	50.0	10/03/2024	ND	199	99.6	200	4.58	
EXT DRO >C28-C36	1190	50.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1041

Company Name: <u>Tate Truck</u>		P.O. #:		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Nicholas Paul</u>		Company: <u>RTA</u>													
Address:		Attn: <u>Ray Barnes</u>													
City:		Address:													
State:		City:													
Zip:		State:													
Phone #:		Fax #:													
Project #:		Project Owner:													
Project Name: <u>Culbena Rte Federal Control</u>		City:													
Project Location: <u>Eddy County</u>		State:													
Sample Name: <u>Gilbert Sanchez</u>		Phone #:													
Fax #:															
FOR LAB USE ONLY		PRESERV		SAMPLING											
Lab I.D.		Sample I.D.													
H2440035															
		(G)RAB OR (C)OMP.													
		# CONTAINERS													
		GROUNDWATER													
		WASTEWATER													
		SOIL													
		OIL													
		SLUDGE													
		OTHER :													
		ACID/BASE:													
		ICE / COOL													
		OTHER :													
		DATE		TIME											
1		AH-1 @ 1'		10:30											
2		AH-2 @ 1'		9:50											
3		AH-3 @ 1'		10:10											
4		AH-4 @ 1'		10:30											
5		AH-5 @ 2-2.5'		11:40											
6		AH-6 @ 2-2.5'		12:10											
7		AH-7 @ 2-2.5'		1:30											
8		AH-8 @ 2-2.5'		2:10											

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Relinquished By: <u>Gilbert Sanchez</u>	Date: <u>10.5.24</u>	Received By: <u>AP Barnes</u>	Time: <u>1507</u>	Remarks:
Relinquished By:	Date:	Received By:	Time:	
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
				Bacteria (only) Sample Condition
				Cool <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
				Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
				Observed Temp. °C
				Corrected Temp. °C

FORM 0001 03/06/07/24

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 05, 2024

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CULEBRA BLV FEDERAL COM #001 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/30/24 8:44.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/30/2024	Sampling Date:	10/29/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NAB1916430115	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - EDDY CO NM		

**Sample ID: T - 1 (3-4') (H246597-01)**

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	203	101	200	3.05	
<b>DRO &gt;C10-C28*</b>	<b>11.7</b>	10.0	10/31/2024	ND	203	102	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					
Surrogate: 1-Chlorooctane	90.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	90.9 %	49.1-148							

**Sample ID: T - 1 (6-7') (H246597-02)**

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	10/31/2024	ND	203	102	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					
Surrogate: 1-Chlorooctane	93.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	93.3 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 NICHOLAS POOLE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received:	10/30/2024	Sampling Date:	10/29/2024
Reported:	11/05/2024	Sampling Type:	Soil
Project Name:	CULEBRA BLV FEDERAL COM #001 RELE	Sampling Condition:	Cool & Intact
Project Number:	NAB1916430115	Sample Received By:	Shalyn Rodriguez
Project Location:	BTA - EDDY CO NM		

**Sample ID: T - 1 (9-10') (H246597-03)**

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2024	ND	203	101	200	3.05	
<b>DRO &gt;C10-C28*</b>	<b>14.7</b>	10.0	10/31/2024	ND	203	102	200	7.63	
EXT DRO >C28-C36	<10.0	10.0	10/31/2024	ND					
<hr/>									
Surrogate: 1-Chlorooctane	96.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.3 %	49.1-148							

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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April 08, 2025

NICHOLAS POOLE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: CULEBRA

Enclosed are the results of analyses for samples received by the laboratory on 03/17/25 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FS -1 ( 2' )	H251558-01	Soil	17-Mar-25 09:30	17-Mar-25 14:47
FS - 2 ( 1.5' )	H251558-02	Soil	17-Mar-25 09:45	17-Mar-25 14:47
SSW - 1	H251558-03	Soil	17-Mar-25 10:00	17-Mar-25 14:47
ESW - 1	H251558-04	Soil	17-Mar-25 10:30	17-Mar-25 14:47
NSW - 1	H251558-05	Soil	17-Mar-25 11:00	17-Mar-25 14:47
WSW - 1	H251558-06	Soil	17-Mar-25 11:30	17-Mar-25 14:47

04/08/25 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 03/20/25.

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**FS -1 ( 2' )**  
**H251558-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1500</b>		16.0	mg/kg	4	5031832	CT	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134		5031803	JH	18-Mar-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
DRO >C10-C28*	617	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
EXT DRO >C28-C36	143	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	

Surrogate: 1-Chlorooctane	82.1 %	44.4-145		5031810	MS	18-Mar-25	8015B	
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Surrogate: 1-Chlorooctadecane	90.6 %	40.6-153		5031810	MS	18-Mar-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**FS - 2 ( 1.5' )**  
**H251558-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3000</b>		16.0	mg/kg	4	5031832	CT	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.8 %		71.5-134	5031803	JH	18-Mar-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
DRO >C10-C28*	776		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
EXT DRO >C28-C36	210		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	

Surrogate: 1-Chlorooctane			99.6 %		44.4-145	5031810	MS	18-Mar-25	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		40.6-153	5031810	MS	18-Mar-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**SSW - 1**  
**H251558-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>128</b>		16.0	mg/kg	4	5031832	CT	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		107 %		71.5-134	5031803	JH	18-Mar-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		84.2 %		44.4-145	5031810	MS	18-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		78.8 %		40.6-153	5031810	MS	18-Mar-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**ESW - 1**  
**H251558-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>160</b>		16.0	mg/kg	4	5031832	CT	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			99.6 %		71.5-134	5031803	JH	18-Mar-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %		44.4-145	5031810	MS	18-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.4 %		40.6-153	5031810	MS	18-Mar-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**NSW - 1**  
**H251558-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>96.0</b>		16.0	mg/kg	4	5031832	CT	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		5031803	JH	18-Mar-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %	44.4-145		5031810	MS	18-Mar-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.4 %	40.6-153		5031810	MS	18-Mar-25	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**WSW - 1**  
**H251558-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>144</b>		16.0	mg/kg	4	5031845	HM	18-Mar-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5031803	JH	18-Mar-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5031803	JH	18-Mar-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	5031803	JH	18-Mar-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5031810	MS	18-Mar-25	8015B

Surrogate: 1-Chlorooctane	96.7 %	44.4-145	5031810	MS	18-Mar-25	8015B
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Surrogate: 1-Chlorooctadecane	91.6 %	40.6-153	5031810	MS	18-Mar-25	8015B
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5031832 - 1:4 DI Water</b>										
<b>Blank (5031832-BLK1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	ND	16.0	mg/kg							
<b>LCS (5031832-BS1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	416	16.0	mg/kg	400		104	80-120			
<b>LCS Dup (5031832-BSD1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
<b>Batch 5031845 - 1:4 DI Water</b>										
<b>Blank (5031845-BLK1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	ND	16.0	mg/kg							
<b>LCS (5031845-BS1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	432	16.0	mg/kg	400		108	80-120			
<b>LCS Dup (5031845-BSD1)</b>				Prepared & Analyzed: 18-Mar-25						
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5031803 - Volatiles****Blank (5031803-BLK1)**

Prepared &amp; Analyzed: 18-Mar-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

**LCS (5031803-BS1)**

Prepared &amp; Analyzed: 18-Mar-25

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130			
Toluene	2.13	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	85.9-128			
m,p-Xylene	4.44	0.100	mg/kg	4.00		111	89-129			
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125			
Total Xylenes	6.56	0.150	mg/kg	6.00		109	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	71.5-134			

**LCS Dup (5031803-BSD1)**

Prepared &amp; Analyzed: 18-Mar-25

Benzene	1.96	0.050	mg/kg	2.00		98.1	82.8-130	4.87	15.8	
Toluene	2.05	0.050	mg/kg	2.00		103	86-128	3.62	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	85.9-128	2.95	16	
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	89-129	2.54	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125	2.98	16.7	
Total Xylenes	6.39	0.150	mg/kg	6.00		106	88.2-128	2.68	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.9	71.5-134			

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**Analytical Results For:**

TETRA TECH  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701

Project: CULEBRA  
Project Number: 26497  
Project Manager: NICHOLAS POOLE  
Fax To: (432) 682-3946

Reported:  
08-Apr-25 15:53

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5031810 - General Prep - Organics****Blank (5031810-BLK1)**

Prepared &amp; Analyzed: 18-Mar-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	43.9		mg/kg	50.0		87.9	44.4-145			
Surrogate: 1-Chlorooctadecane	42.3		mg/kg	50.0		84.6	40.6-153			

**LCS (5031810-BS1)**

Prepared &amp; Analyzed: 18-Mar-25

GRO C6-C10	201	10.0	mg/kg	200		100	81.5-123			
DRO >C10-C28	201	10.0	mg/kg	200		100	77.7-122			
Total TPH C6-C28	401	10.0	mg/kg	400		100	80.9-121			
Surrogate: 1-Chlorooctane	48.4		mg/kg	50.0		96.8	44.4-145			
Surrogate: 1-Chlorooctadecane	47.7		mg/kg	50.0		95.4	40.6-153			

**LCS Dup (5031810-BSD1)**

Prepared &amp; Analyzed: 18-Mar-25

GRO C6-C10	200	10.0	mg/kg	200		100	81.5-123	0.427	13	
DRO >C10-C28	202	10.0	mg/kg	200		101	77.7-122	0.629	15.6	
Total TPH C6-C28	402	10.0	mg/kg	400		100	80.9-121	0.102	18.5	
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	44.4-145			
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0		94.0	40.6-153			

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

**From:** [Allen, Samantha](#)  
**To:** [Wells, Shelly, EMNRD](#)  
**Subject:** [EXTERNAL] RE: NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY  
**Date:** Monday, May 5, 2025 1:27:20 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)  
[image005.png](#)

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dear Shelly,

Thank you for your email, and I apologize for the delayed response — I was out towards the end of last week and have been working to catch up today.

Regarding your first question, the AH-3 sample location is included in Figure 4; however, it is somewhat difficult to see as it is located near the very top of the figure.

Additionally, you are absolutely correct about the DS3-001 and DS12-001 areas — it appears those locations were unintentionally excluded from the deferral request area. From your observations, it is clear that they exceeded the Closure Criteria based on the sampling performed by Charger on May 14, 2024, and as you noted, although Tetra Tech conducted vertical delineation, no excavation has yet occurred. These areas will indeed require remediation once the tanks are taken out of production.

I appreciate you bringing this to our attention. I would be happy to set up a call to discuss this further at your convenience. Please let me know your availability, and I will coordinate accordingly.

Thank you,  
Samantha

**Samantha Allen** | Staff Environmental Scientist  
Direct Mobile +1 (512) 788-2948 | [Samantha.allen@tetrattech.com](mailto:Samantha.allen@tetrattech.com)

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**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

**Sent:** Thursday, May 1, 2025 3:25 PM

**To:** Allen, Samantha <SAMANTHA.ALLEN@tetrattech.com>

**Subject:** NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY

You don't often get email from [shelly.wells@emnrd.nm.gov](mailto:shelly.wells@emnrd.nm.gov). [Learn why this is important](#)

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Hi Samantha,

I have some questions for you on this deferral request for NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY. First off, where is AH-3 located? It is not shown on Figure 4. In addition, is there a reason the areas of DS3-001 and DS 12-001 are not included in the deferral request? From what I can tell these areas were over the Closure Criteria when Charger sampled them on 5/14/24 and Tetra Tech vertically delineated these areas but no excavation occurred there, therefore they will require remediation when the tanks are taken out of production.

I look forward to hearing your response,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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QUESTIONS

Action 451533

**QUESTIONS**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1916430115
Incident Name	NAB1916430115 CULEBRA BLV FEDERAL COM #001H TANK BATTERY @ 30-015-37615
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-37615] CULEBRA BLV FEDERAL COM #001H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	CULEBRA BLV FEDERAL COM #001H TANK BATTERY
Date Release Discovered	06/08/2019
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Water Tank   Produced Water   Released: 116 BBL   Recovered: 90 BBL   Lost: 26 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 451533

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: Samantha.allen@tetrattech.com Date: 04/14/2025
--	---



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QUESTIONS, Page 3

Action 451533

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID:
	260297
	Action Number:
	451533
Action Type:	
[C-141] Deferral Request C-141 (C-141-v-Deferral)	

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8785.5
GRO+DRO (EPA SW-846 Method 8015M)	7595.5
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/06/2025
On what date will (or did) the final sampling or liner inspection occur	03/17/2025
On what date will (or was) the remediation complete(d)	03/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	390
What is the estimated volume (in cubic yards) that will be remediated	37
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 451533

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: <a href="mailto:Samantha.allen@tetrattech.com">Samantha.allen@tetrattech.com</a> Date: 04/14/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 451533

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Remedial activities consisted of hydro excavation to remove as much contaminated soil as reasonably possible. Any additional excavation of the impacted area located within the active battery facility would cause a major facility deconstruction, in addition to creating safety risks associated with excavating near production equipment via aggressive excavation methods (i.e., backhoe/track hoe, excavators, hydraulic hammer, etc.). These interim field activities were completed safely and without any additional unwanted releases to the environment. 19.15.29.13 NMAC will be implemented when completing abandonment of the tank battery and the associated pipelines and equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	848
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	126
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-37615 CULEBRA BLV FEDERAL COM #001H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Samantha Allen Title: Tetrattech Email: <a href="mailto:Samantha.allen@tetrattech.com">Samantha.allen@tetrattech.com</a> Date: 04/14/2025

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QUESTIONS, Page 6

Action 451533

**QUESTIONS (continued)**

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	441838
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	390

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 451533

CONDITIONS

Operator: BTA OIL PRODUCERS, LLC 104 S Pecos Midland, TX 79701	OGRID: 260297
	Action Number: 451533
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of FS-1, FS-2, DS3-001, DS11-001 and DS12-001 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time. Note that for future releases at this site, the distance to any other significant watercourse and any playa lake should be updated to 1000 ft-1/2 mile (east).	5/5/2025