

# **Closure Report**

Chevron 12 Federal # 3 Lea County, New Mexico API ID # 30-025-30601 Incident #s NSAP0233641771 and NSAP0230537626

# **Prepared For:**

Matador Resources 5347 N. 26<sup>th</sup> Street 2<sup>nd</sup> Floor Artesia, New Mexico 88210

# **Prepared By:**

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

# November 18, 2024



NMOCD 506 W. Texas Ave Artesia, NM 88210 **BLM** 620 E. Greene St. Carlsbad, NM 88220

Subject: Closure Report Chevron 12 Federal # 3 Lea County, New Mexico API # 30-025-30601 Incident # NSAP0233641771 / NSAP0230537626

To Whom It May Concern,

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

### Site Information

The Chevron 12 Federal # 003 is located approximately 34 miles west of Hobbs, New Mexico. The legal location for this release is Unit Letter B, Section 12, Township 18 South and Range 32 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.7679596 and -103.7166214. A Site Location Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Pyote and Maljamer fine sands with, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala and Alluvial deposits.

#### **Groundwater and Site Characterization**

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 3 miles from the site and is recorded at 84 feet below ground surface (bgs). Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. The FEMA data base locates the site in a minimal flood hazard zone.

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Chevron 12 Federal #3 Site Characterization							
What is the shallowest depth to groundwater beneath the area affected by the							
release in feet below ground surface (ft bgs	Between 75 and 100 (ft.)						
What method was used to determine the depth to ground water?	Estimate or Other						
Did this release impact groundwater or surface water	No						
What is the minimum distance, between the closest lateral extents of the rele	ase and the following surface areas:						
A continuously flowing watercourse or any other significant watercourse	Greater than 5 miles						
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 mile						
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 miles						
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 mile						
Any other fresh water well or spring	Between 1 and 5 mile						
Incorporated municipal boundaries or a defined municipal fresh water well field A wetland	Greater than 5 miles Between 1/2 and 1 mile						
A subsurface mine	Greater than 5 miles						
An (non-karst) unstable area	Greater than 5 miles						
Categorize the risk of this well / site being in a karst geology	Low						
A 100-year floodplain	Greater than 5 miles						
Did the release impact areas not on an exploration, development, production, or							
storage site	No						

Approximate Depth t	o Groundwater 65 feet bgs	5
∐Yes ⊠No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	
□Yes ⊠No	Within 200 feet of any lakebed, sinkhole or a playa lake	
∐Yes ⊠No	Within 300 feet from an occupied permanent residence, school, hospital, institution or church	
□Yes ⊠No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes	
□Yes ⊠No	Within 1000 feet of any freshwater well or spring	
∐Yes ⊠No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978	I
□Yes ⊠No	Within 300 feet of a wetland	
□Yes ⊠No	Within the area overlying a subsurface mine	
□Yes ⊠No	Within an unstable area	
□Yes ⊠No	Within a 100-year floodplain	

Since depth to groundwater could not be verified within 0.5 miles of the site, the cleanup criteria for this site is as follows.

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

#### Incident Description

Matador Resources personnel noted a historical spill had been reported on October 16, 2002, that needed to be addressed. The initial C-141 submitted to the NMOCD stated that a 2" x 6" nipple on the bypass for the heater treater leaked, releasing approximately 65 barrels (bbls) of oil with six (6) bbls recovered. The historical release was assigned the incident numbers NSAP0233641771 and NSAP0230537626. The site location map is presented in Appendix I.

#### Site Assessment

On March 21, 2023, upon client authorization, Talon mobilized personnel to the site to conduct an initial site assessment in the area of the current heater treater location. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Eurofins Analytical Laboratory for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH via EPA Method 8015), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 1 in Appendix I and the results of our sampling event are presented below.

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg			Total TPH mg/kg	Chlorides mg/kg
	D Table 1 Clo		10	50		+ GRO +		100	600
Criteri	a 19.15.29 N	MAC	mg/kg	mg/kg	combir	ned = 100	mg/kg	mg/kg	mg/kg
	3/21/2023	1'	ND	ND	34.6	ND	ND	34.6	3.51
S-1	3/21/2023	3'	ND	ND	33.5	ND	ND	33.5	0.92
	3/21/2023	4'	ND	ND	38.8	ND	ND	38.8	1.82
	3/21/2023	1'	ND	ND	36.7	ND	ND	36.7	5.36
S-2	3/21/2023	3'	ND	ND	23.1	ND	ND	23.1	2.97
	3/21/2023	4'	ND	ND	ND	ND	ND	0	3.1
	3/21/2023	1'	ND	ND	45.3	ND	ND	45.3	16.9
S-3	3/21/2023	3'	ND	ND	61.5	ND	ND	61.5	34.7
	3/21/2023	4'	ND	ND	34.5	ND	ND	34.5	23.4
	3/21/2023	1'	ND	ND	44.7	ND	ND	44.7	524
S-4	3/21/2023	3'	ND	ND	31.0	ND	ND	31	189
	3/21/2023	4'	ND	ND	44.3	ND	ND	44.3	118
	3/21/2023	1'	ND	ND	23.5	ND	ND	23.5	452
S-5	3/21/2023	3'	ND	ND	32.8	ND	ND	32.8	563
	3/21/2023	4'	ND	ND	37.4	ND	ND	37.4	597

# Table 1Initial Assessment Analytical Laboratory Data

NOTES:

BGS	Below ground surface	Highlighted cells indicate
mg/kg	Milligrams per kilogram	exceedance of NMOCD Table 1 Closure Criteria
ТРН	Total Petroleum Hydrocarbons	
GRO	Gasoline range organics	
DRO	Diesel range organics	
MRO	Motor oil range organics	
S	Sample	
ND	Analyte Not Detected	

## Regulatory Response

On May 11, 2023, the NMOCD denied the submitted closure report. The NMOCD stated confirmation soil samples were not collected within the suspected area of release. Historic aerials show that the wellsite had been significantly reconstruction between 2014 and 2017. The reconstruction resulted in the heater treater being moved from the northeast corner of the well pad into the newly lined beamed area on the west side. The NMOCD requested for the historical location of the heater treater to be assessed and confirmation soil samples be collected at a minimum depth of 0.5 feet bgs.

### **Corrective Action**

On May 30, 2023, upon client authorization, Talon mobilized personnel to the site to conduct a site assessment, per the NMOCD correspondence. The impacted area was photographed, sampled utilizing a hand auger, and mapped. All soil samples were properly packaged in laboratory provided glassware, preserved on ice in the custody of Talon personnel, and transported to Cardinal Laboratory for analysis of Total Chlorides (Method SM4500CI-B), Total Petroleum Hydrocarbons (TPH via EPA Method 8015M), and Volatile Organics (BTEX, EPA Method 8021B). Sample locations are shown on the attached Figure 2 in Appendix I and the results of our sampling event are presented in the following data table.

Additional Site Assessment Analytical Laboratory Data								
Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO DRO mg/kg mg/kg		MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
		10	50				100	600
19.15.29	NMAC	mg/kg	mg/kg	combin	ned = 100	mg/kg	mg/kg	mg/kg
5/30/23	0-1'	ND	ND	ND	102	75.2	177.2	176
5/30/23	2'	ND	ND	ND	ND	ND	-	144
5/30/23	4'	ND	ND	ND	ND	ND	-	496
5/30/23	0-1'	ND	ND	ND	ND	ND	-	592
5/30/23	2'	ND	ND	ND	ND	ND	-	1040
5/30/23	4'	ND	ND	ND	ND	ND	-	2280
5/30/23	0-1'	ND	ND	ND	ND	ND	-	1200
5/30/23	2'	ND	ND	ND	ND	ND	-	1208
5/30/23	4'	ND	ND	ND	ND	ND	-	608
5/30/23	0-1'	ND	ND	ND	ND	ND	-	400
5/30/23	2'	ND	ND	ND	ND	ND	-	480
5/30/23	4'	ND	ND	ND	ND	ND	-	944
5/30/23	0-1'	ND	ND	ND	ND	ND	-	400
5/30/23	2'	ND	ND	ND	ND	ND	-	240
5/30/23	4'	ND	ND	ND	ND	ND	-	896
5/30/23	0-1'	ND	ND	ND	ND	ND	-	1020
5/30/23	2'	ND	ND	ND	ND	ND	-	1300
5/30/23	4'	ND	ND	ND	ND	ND	-	496
5/30/23	0-1'	ND	ND	ND	ND	ND	-	48.0
5/30/23	2'	ND	ND	ND	ND	ND	-	48.0
5/30/23	4'	ND	ND	ND	ND	ND	-	112
	Sample         Date         Date	Sample Date         Depth (BGS)           Table 1 C-sure 19.15.29	Sample Date         Depth (BGS)         Benzene mg/kg           Table 1 C>ure 19.15.29         10 mg/kg           5/30/23         0-1'         ND           5/30/23         2'         ND           5/30/23         2'         ND           5/30/23         4'         ND           5/30/23         4'         ND           5/30/23         2'         ND           5/30/23         2'         ND           5/30/23         2'         ND           5/30/23         0-1'         ND           5/30/23         0-1'         ND           5/30/23         2'         ND           5/30/23         0-1'         ND           5/30/23         2'         ND <tr td="">         5/30/23         0-1'</tr>	Sample DateDepth (BGS)Benzene mg/kgBTEX mg/kgTable 1 C-sure 19.15.29105019.15.29MACMg/kg505/30/230-1'NDND5/30/232'NDND5/30/234'NDND5/30/230-1'NDND5/30/230-1'NDND5/30/232'NDND5/30/232'NDND5/30/230-1'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/230-1'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND5/30/232'NDND <th>Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg           Table 1 Closure 19.15.29         10         50         DRO           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         4'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND      &lt;</th> <th>Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg         DRO mg/kg           Table 1 <math>\subset</math> sure 10         50         DRO + GRO + CRO + COM = 1000           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND</th> <th>Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg         DRO mg/kg         MRO mg/kg           Table 1 Coure 19.15.29         10         50         DRO + GRO + MRO combined = 100 mg/kg         75.2           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND     <th>Sample DateDepth (BGS)Benzene mg/kgBTEX mg/kgGRO mg/kgDRO mg/kgMRO mg/kgTotal TPH mg/kgTable 1 C&gt;sure 19.15.29 VMAC1050DRO + GRO + GRO + WRO combi-e = 100 vmg/kg1005/30/230-1'NDNDND10275.25/30/232'NDNDNDNDND5/30/232'NDNDNDNDND5/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/</th></th>	Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg           Table 1 Closure 19.15.29         10         50         DRO           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         4'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         2'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND      <	Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg         DRO mg/kg           Table 1 $\subset$ sure 10         50         DRO + GRO + CRO + COM = 1000           5/30/23         0-1'         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND	Sample Date         Depth (BGS)         Benzene mg/kg         BTEX mg/kg         GRO mg/kg         DRO mg/kg         MRO mg/kg           Table 1 Coure 19.15.29         10         50         DRO + GRO + MRO combined = 100 mg/kg         75.2           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         2'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND           5/30/23         0-1'         ND         ND         ND         ND         ND <th>Sample DateDepth (BGS)Benzene mg/kgBTEX mg/kgGRO mg/kgDRO mg/kgMRO mg/kgTotal TPH mg/kgTable 1 C&gt;sure 19.15.29 VMAC1050DRO + GRO + GRO + WRO combi-e = 100 vmg/kg1005/30/230-1'NDNDND10275.25/30/232'NDNDNDNDND5/30/232'NDNDNDNDND5/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/</th>	Sample DateDepth (BGS)Benzene mg/kgBTEX mg/kgGRO mg/kgDRO mg/kgMRO mg/kgTotal TPH mg/kgTable 1 C>sure 19.15.29 VMAC1050DRO + GRO + GRO + WRO combi-e = 100 vmg/kg1005/30/230-1'NDNDND10275.25/30/232'NDNDNDNDND5/30/232'NDNDNDNDND5/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND1025/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/30/230-1'NDNDNDND105/

Table 2Additional Site Assessment Analytical Laboratory Data

NOTES:

	Below ground
BGS	surface
mg/kg	Milligrams per
	kilogram
ТРН	Total Petroleum
1611	Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
	Motor oil range organics

- MRO Motor oil range organics
- S Sample
- ND Analyte Not
- Detected

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

#### **Remediation Activities**

On October 6, 2023, Talon personnel returned to excavate the impacted soils located around the suspected historical release area. The area was excavated to a final depth of 16 feet bgs and guided by field screening activities. On February 26, 2024, Talon returned to location and sampled for an addition 12 samples to achieve 200 sq./ft sampling criteria. The final confirmation samples were transported with the chain of custody to Envirotech Laboratories, for analysis of Total Chlorides (EPA Method 300.0/9056A), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA 8260B). Sample locations are shown on the attached Figure 3 in Appendix I and the results of the confirmation sampling event are presented below.

	Chevron 12 Federal #3									
Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO DRO mg/kg mg/kg		MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg	
NMOCD Table 1 Closure Criteria 19.15.29 NMAC		10 mg/kg	50 mg/kg		+ GRO + ned = 100	-	100 mg/kg	600 mg/kg		
C-1	10/6/23	16'	ND	ND	ND	ND	ND	ND	81.1	
C-1	2/26/24	16'	ND	ND	ND	25.2	51	76.2	100	
C-2	10/6/23	16'	ND	ND	ND	ND	ND	0	78.4	
C-2	2/26/24	16'	ND	ND	ND	ND	ND	0	100	
C-3	2/26/24	16'	ND	ND	ND	25.3	53.8	79.1	96.7	
SW-1	10/6/23		ND	ND	ND	ND	ND	0	64.2	
300-1	2/26/24		ND	ND	ND	27.4	55.9	83.3	101	
SW-2	10/6/23		ND	ND	ND	ND	ND	0	61.7	
300-2	2/26/24		ND	ND	ND	29.4	50.1	79.5	114	
SW-3	2/26/24		ND	ND	ND	ND	ND	0	101	
SW-4	2/26/24		ND	ND	ND	ND	ND	0	99.2	
SW-5	2/26/24		ND	ND	ND	ND	ND	0	103	
SW-6	2/26/24		ND	ND	ND	ND	51.5	51.5	103	
SW-7	2/26/24		ND	ND	ND	25.1	53.5	78.6	99.1	
SW-8	2/26/24		ND	ND	ND	ND	51.1	51.1	103	
SW-9	2/26/24		ND	ND	ND	ND	52.5	52.5	103	
NOTES:										

### Table 3 Confirmation Analytical Laboratory Data

BGS	Below ground
DGJ	surface
mg/kg	Milligrams per
	kilogram
трн	Total Petroleum
IPH	Hydrocarbons
GRO	Gasoline range organics

**Highlighted cells indicate** exceedance of NMOCD Table 1 **Closure Criteria** 

DRO	Diesel range organics
MRO	Motor oil range organics
С	Confirmation Sample
SW	Sidewall Sample
ND	Analyte Not Detected

## **Remedial Action Summary**

- The impacted area with a perimeter of 78 feet was excavated to a depth of 16 feet bgs. Field titrated soil samples for total chlorides was utilized to guide the vertical and horizontal extents of the excavation process. A total of three (3) composite floor samples and nine (9) composite sidewall samples were taken.
- Pursuant to NMOCD guidance, confirmation soil samples were collected at 200 square foot intervals and analyzed for TPH, BTEX and Total Chlorides to insure all areas had reached NMOCD closure criteria.
- The excavated areas were backfilled with new like material (caliche), machine compacted, and contoured to match the surrounding location.
- Approximately 247 cu/yds of contaminated material were removed and disposed at LeaLand.
- Site maps are listed as follows and are located in Appendix I.
  - Figure 1. Initial Assessment Map
  - Figure 2. Assessment Map
  - Figure 3. Confirmation Map
  - Figure 4. Site Location Map
  - Figure 5. Topographic Map
  - Figure 6. Karst Map
- Copies of the Final C-141s are presented in Appendix III.
- Photographic documentation is provided in Appendix IV.

#### Closure

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

Respectfully submitted,

Talon/LPE

Ched Harob

Chad Hensley Project Manager

Attachments:

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



# Appendix I

Site Maps



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Drafted: 10/27/2023 1 in = 50 ft Drafted By: IJR Matador Resources Company Chevron 12 Federal #3 Lea County, NM Figure 1 - Initial Assessment Map





Drafted: 10/27/2023 1 in = 30 ft Drafted By: IJR Matador Resources Company Chevron 12 Federal #3 Lea County, NM Figure 2 - Assessment Map





Drafted: 3/1/2024 1 in = 20 ft Drafted By: JAI Matador Resources Company Chevron 12 #3 Lea County, NM Figure 3 - Confirmation Map





Drafted: 10/23/2023 1 in = 2,000 ft Drafted By: IJR Matador Resources Company Chevron 12 Federal #3 Lea County, NM Figure 4 - Site Location Map





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Drafted: 10/23/2023

Drafted By: IJR

1 in = 5,000 ft

Matador Resources Company Chevron 12 Federal #3 Lea County, NM Figure 6 - Karst Map



# **Appendix II** Groundwater Data Soil Survey FEMA Flood Map

# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	been O=or	OD has replace phaned, e file is d)	(qua						IE 3=SW largest)	,	3 UTM in meters)		(In feet	t)
POD Number	Code	POD Sub- basin	County	Q	_		oc -	Twe	Png	x	Y	-	-	Water Column
CP 00566 POD1	COUE	CP	LE						32E	<b>^</b> 614960	3627280* 🥌	133	65	68
CP 00672		СР	LE		4	4 0	71	18S	32E	612475	3624947* 🍯	524	430	94
CP 00672 CLW475398	0	СР	LE		4	4 0	71	18S	32E	612475	3624947* 🌍	540	460	80
CP 00677		СР	LE		1	12	61	18S	32E	617750	3621373* 🌍	700		
CP 00814 POD1		СР	LE		2	2 0	8 1	18S	32E	614074	3626168* 🌍	480		
CP 01938 POD1		СР	LE	1	4	13	2 1	18S	32E	613277	3619332 🌍	51		
											Average Depth to	Water:	318 f	eet
											Minimum	Depth:	65 f	eet
											Maximum	Depth:	460 f	eet
Record Count: 6					_									

#### Record Count: 6

#### PLSS Search:

Township: 18S Ran

Range: 32E

#### \*UTM location was derived from PLSS - see Help

Released to Imaging: 4/22/2024 10:17:29 AM

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



United States Department of Agriculture

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

# Custom Soil Resource Report for Lea County, New Mexico



# Soil Map

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



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## Custom Soil Resource Report

		EGEND		MAP INFORMATION
Area of Intere	est (AOI) Area of Interest (AOI)	Stor	vil Area ny Spot	The soil surveys that comprise your AOI were mapped at 1:20,000.
⊂ S ~ S Special Po ⊚ E	Soil Map Unit Polygons Soil Map Unit Lines Soil Map Unit Points <b>int Features</b> Blowout	vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv	y Stony Spot t Spot er ecial Line Features eams and Canals	Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.
× ⊂ × ⊂	Borrow Pit Clay Spot Closed Depression Gravel Pit Gravelly Spot		ls ırstate Highways Routes or Roads	Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)
ب ج ا	.andfill .ava Flow ⁄Iarsh or swamp ⁄Iine or Quarry	Background	al Roads ial Photography	Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.
● ● F → F + S	Aiscellaneous Water Perennial Water Rock Outcrop Saline Spot Sandy Spot			This product is generated from the USDA-NRCS certified data as of the version date(s) listed below. Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 19, Sep 8, 2022 Soil map units are labeled (as space allows) for map scales
ء ج ا	Severely Eroded Spot Sinkhole Slide or Slip Sodic Spot			1:50,000 or larger. Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020 The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

Мар	Unit	Legend
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Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BF	Berino-Cacique fine sandy loams association	24.2	4.7%
KD	Kermit-Palomas fine sands, 0 to 12 percent slopes	212.1	41.3%
PU	Pyote and Maljamar fine sands	254.3	49.5%
PY	Pyote soils and Dune land	9.0	1.8%
SR	Simona-Upton association	14.1	2.7%
Totals for Area of Interest		513.8	100.0%

# **Map Unit Descriptions**

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

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

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate

pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# Lea County, New Mexico

### BF—Berino-Cacique fine sandy loams association

#### **Map Unit Setting**

National map unit symbol: dmpf Elevation: 3,000 to 3,900 feet Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### **Map Unit Composition**

Berino and similar soils: 50 percent Cacique and similar soils: 40 percent Minor components: 10 percent Estimates are based on observations, descriptions, and transects of the mapunit.

#### **Description of Berino**

#### Setting

Landform: Plains Landform position (three-dimensional): Rise Down-slope shape: Linear Across-slope shape: Linear Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: fine sandy loam Btk - 8 to 60 inches: sandy clay loam

#### **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

#### Interpretive groups

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

#### **Description of Cacique**

#### Setting

Landform: Plains Landform position (three-dimensional): Rise Down-slope shape: Linear Across-slope shape: Linear Parent material: Calcareous eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: fine sandy loam Bt - 8 to 28 inches: sandy clay loam Bkm - 28 to 38 inches: cemented material

#### **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.0 inches)

#### Interpretive groups

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

#### **Minor Components**

#### Kermit

Percent of map unit: 4 percent Ecological site: R070BD005NM - Deep Sand Hydric soil rating: No

#### Wink

Percent of map unit: 3 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Pyote

Percent of map unit: 3 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

## KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

#### Map Unit Setting

National map unit symbol: dmpv Elevation: 3,000 to 4,400 feet Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### Map Unit Composition

*Kermit and similar soils:* 70 percent *Palomas and similar soils:* 20 percent *Minor components:* 10 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

#### **Description of Kermit**

#### Setting

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

#### Typical profile

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

#### **Properties and qualities**

Slope: 3 to 12 percent Depth to restrictive feature: More than 80 inches Drainage class: Excessively drained Runoff class: Very low Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr) Depth to water table: More than 80 inches Frequency of flooding: None Frequency of ponding: None Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm) Sodium adsorption ratio, maximum: 2.0 Available water supply, 0 to 60 inches: Low (about 3.1 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD005NM - Deep Sand Hydric soil rating: No

#### **Description of Palomas**

#### Setting

Landform: Dunes Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear, concave Across-slope shape: Convex Parent material: Alluvium derived from sandstone

#### **Typical profile**

A - 0 to 16 inches: fine sand Bt - 16 to 60 inches: sandy clay loam Bk - 60 to 66 inches: sandy loam

#### **Properties and qualities**

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### **Minor Components**

#### Pyote

Percent of map unit: 4 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Maljamar

Percent of map unit: 4 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Palomas

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

#### Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

## PU—Pyote and Maljamar fine sands

#### Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### Map Unit Composition

*Pyote and similar soils:* 46 percent *Maljamar and similar soils:* 44 percent *Minor components:* 10 percent *Estimates are based on observations, descriptions, and transects of the mapunit.* 

#### **Description of Pyote**

#### Setting

Landform: Plains Landform position (three-dimensional): Rise Down-slope shape: Linear Across-slope shape: Linear Parent material: Sandy eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 30 inches: fine sand Bt - 30 to 60 inches: fine sandy loam

#### Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

#### Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s

*Hydrologic Soil Group:* A *Ecological site:* R070BD003NM - Loamy Sand *Hydric soil rating:* No

#### **Description of Maljamar**

#### Setting

Landform: Plains Landform position (three-dimensional): Rise Down-slope shape: Linear Across-slope shape: Linear Parent material: Sandy eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 24 inches: fine sand Bt - 24 to 50 inches: sandy clay loam Bkm - 50 to 60 inches: cemented material

#### Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

#### Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### **Minor Components**

#### Kermit

*Percent of map unit:* 10 percent *Ecological site:* R070BC022NM - Sandhills *Hydric soil rating:* No

## PY—Pyote soils and Dune land

#### Map Unit Setting

National map unit symbol: dmqr Elevation: 3,000 to 4,400 feet Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 190 to 220 days Farmland classification: Not prime farmland

#### Map Unit Composition

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

#### **Description of Pyote**

#### Setting

Landform: Depressions Landform position (two-dimensional): Footslope Landform position (three-dimensional): Base slope Down-slope shape: Concave Across-slope shape: Concave Parent material: Sandy eolian deposits derived from sedimentary rock

#### Typical profile

A - 0 to 30 inches: fine sand Bt - 30 to 60 inches: fine sandy loam

#### Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

#### Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s

*Hydrologic Soil Group:* A *Ecological site:* R070BD003NM - Loamy Sand *Hydric soil rating:* No

#### Description of Dune Land

#### Setting

Landform: Dunes Landform position (two-dimensional): Backslope, shoulder Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Convex Parent material: Sandy eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 6 inches: fine sand C - 6 to 60 inches: fine sand

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 8 Hydrologic Soil Group: A Hydric soil rating: No

#### **Minor Components**

#### Kermit

Percent of map unit: 5 percent Ecological site: R070BC022NM - Sandhills Hydric soil rating: No

#### Maljamar, fine sand

Percent of map unit: 3 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### Wink

Percent of map unit: 2 percent Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

#### SR—Simona-Upton association

#### Map Unit Setting

National map unit symbol: dmr3 Elevation: 3,000 to 4,400 feet Mean annual precipitation: 10 to 16 inches Mean annual air temperature: 58 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### **Map Unit Composition**

Simona and similar soils: 50 percent Upton and similar soils: 35 percent Minor components: 15 percent Estimates are based on observations, descriptions, and transects of the mapunit.

#### Description of Simona

#### Setting

Landform: Ridges Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: gravelly fine sandy loam Bk - 8 to 16 inches: fine sandy loam Bkm - 16 to 26 inches: cemented material

#### **Properties and qualities**

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

#### Interpretive groups

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

#### **Description of Upton**

#### Setting

Landform: Ridges Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Rise Down-slope shape: Convex Across-slope shape: Linear Parent material: Calcareous eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: gravelly loam

*Bkm - 8 to 18 inches:* cemented material *BCk - 18 to 60 inches:* very gravelly loam

#### Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 0.9 inches)

#### Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R070BC025NM - Shallow Hydric soil rating: No

#### **Minor Components**

#### Kimbrough

*Percent of map unit:* 6 percent *Ecological site:* R077CY037TX - Very Shallow 16-21" PZ *Hydric soil rating:* No

#### Stegall

*Percent of map unit:* 5 percent *Ecological site:* R077CY028TX - Limy Upland 16-21" PZ *Hydric soil rating:* No

#### Slaughter

*Percent of map unit:* 4 percent *Ecological site:* R077CY028TX - Limy Upland 16-21" PZ *Hydric soil rating:* No

# Received by OCD: 4/17/2024 2:13:20 PM National Flood Hazard Layer FIRMette



## Legend

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# Appendix III

C-141 Forms

Correspondence

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

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

)

Incident ID	NSAP0230537626
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party	Matador Resources	OGRID 228937
Contact Name	Clinton Talley	Contact Telephone 337-319-8398
Contact email	clinton.talley@matadorresources.com	Incident # (assigned by OCD) NSAP0230537626
Contact mailing address 5347 N. 26th Street 2nd Floor, Artesia, NM 88210		

## **Location of Release Source**

Latitude 32.7679596

(NAD 83 in decimal degrees to 5 decimal places)

Site Name -103.7166214	Site Type Oil
Date Release Discovered 10/16/2002	API# (if applicable) 30-025-30601

Unit Letter	Section	Township	Range	County
В	12	18S	32E	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)

Crude Oil	Volume Released (bbls) 65	Volume Recovered (bbls) 9
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

2"X6" NIPPLE ON BYPASS FOR HEATER TREATER HAD LEAK. OIL AND WATER STAYED MAINLY ON LOCATION, WITH A FEW BBLS ON THE OAK SCRUB AND PRAIRIE GRASS.

Received by OCD: 4/17/202	4 2:13:20 PM State of New Mexico		Page 39 of 1
F0IIII C-141		Incident ID	
Page 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible par Greater than 25bbl.	rty consider this a major release?	
If YES, was immediate n	otice given to the OCD? By whom? To whom? WI	hen and by what means (phone, email, etc	:)?

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## **Initial Response**

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

 $\mathbf{X}$  The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Clinton Talley	Title: EHS
Signature: <u>Clint Talley</u> email: <u>clinton.talley@matadorresources.com</u>	Date:4/17/2024 Telephone:337-319-8398
OCD Only Received by:	Date:

Received by OCD: 4/17/2024 2:13:20 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

# Site Assessment/Characterization

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

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

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data

- Data table of soil contaminant concentration data
- $\mathbf{X}$  Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

form ( -141	2:13:20 PM State of New Mexic	20		Page 41 of 1
			Incident ID	
age 4	Oil Conservation Divi	sion	District RP	
			Facility ID	
			Application ID	
regulations all operators are red public health or the environmed failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: Clinton Ta	ation given above is true and complete quired to report and/or file certain relea nt. The acceptance of a C-141 report b and remediate contamination that pos C-141 report does not relieve the oper alley ally matadorresources.com	ase notifications and perform by the OCD does not relieve t is a threat to groundwater, sur rator of responsibility for com Title: <u>EHS</u> Date:4/17/202	corrective actions for releas he operator of liability shou face water, human health or pliance with any other feder	es which may endanger ld their operations have the environment. In
email: clinton.talley@				

Page 6

Oil Conservation Division

	Page 42 of 162
Incident ID	
District RP	
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Clinton Talley Title: EHS Signature: Clint Talley Date: \_\_\_\_4/17/2024\_\_\_\_\_ clinton.talley@matadorresources.com Telephone: 337-319-8398 email: **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date:
Printed Name:	Title:

From:	Wells, Shelly, EMNRD
То:	Chad Hensley; Hall, Brittany, EMNRD
Cc:	Clinton Talley; Nathaniel Rose; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] NSAP0233641771 and NSAP0230537626 Chevron 12 #3 confirmation sampling event
Date:	Tuesday, October 3, 2023 11:57:09 AM
Attachments:	image001.png
	image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Hi Chad,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

## Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 <u>Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Chad Hensley <chensley@talonlpe.com>

Sent: Tuesday, October 3, 2023 11:13 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

**Cc:** Clinton Talley <clinton.talley@matadorresources.com>; Nathaniel Rose <nrose@talonlpe.com> **Subject:** [EXTERNAL] NSAP0233641771 and NSAP0230537626 Chevron 12 #3 confirmation sampling event

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To whom it may concern. Talon of behalf of Matador is scheduling a confirmation sampling event on (10/6/23) at 9am for the Chevron 12 Fed #3.

Location: B-12-18S-32E Lat & Long: 32.7679596,-103.7166214 Incident Number: NSAP0233641771 and NSAP0230537626

Chad Hensley Environmental Project Manager Office: 575.746.8768 x708 Direct: 575.616.4023 Cell: 575.246.0032 Fax: 575.746.8905 Emergency: 866.742.0742 Web: <u>www.talonlpe.com</u>



At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to <u>clientrelations@talonlpe.com</u>.



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# Appendix IV

Photographic Documentation



Matador Resources Chevron 12 Fed #003 Lea County, New Mexico







Matador Resources Chevron 12 Fed #003 Lea County, New Mexico





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Matador Resources Chevron 12 Fed #003 Lea County, New Mexico







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# Appendix V

Laboratory Reports





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Matador Resources, LLC.

Project Name: Chev

Chevron 12

Work Order: E310052

Job Number: 23042-0001

Received: 10/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/12/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 10/12/23

Chad Hensley 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240

Project Name: Chevron 12 Workorder: E310052 Date Received: 10/9/2023 8:25:00AM

Chad Hensley,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2023 8:25:00AM, under the Project Name: Chevron 12.

The analytical test results summarized in this report with the Project Name: Chevron 12 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

Michelle Golzales Technical Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## Sample Summary

		Sample Sum	mai y		
Matador Resources, LLC.		Project Name:	Chevron 12		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23042-0001		Reporteu:
Dallas TX, 75240		Project Manager:	Chad Hensley		10/12/23 10:15
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-1	E310052-01A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
SW-2	E310052-02A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
C-1 16'	E310052-03A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.
C-2 16'	E310052-04A	Soil	10/06/23	10/09/23	Glass Jar, 2 oz.



	50	imple D	ala			
Matador Resources, LLC.	Project Name:	Che	vron 12			
5400 LBJ Freeway, Suite 1500	Project Numbe	r: 2304	42-0001			Reported:
Dallas TX, 75240	Project Manag	er: Cha	d Hensley	10/12/2023 10:15:04A1		
		SW-1				
	1	E310052-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2341023
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
p-Xylene	ND	0.0250	1	10/09/23	10/10/23	
o,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Fotal Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2341023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2341025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/23	10/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/09/23	10/11/23	
Surrogate: n-Nonane		88.3 %	50-200	10/09/23	10/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2341020
Chloride	64.2	20.0	1	10/09/23	10/11/23	

## **Sample Data**



	S	Sample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Nam Project Num Project Mana		<b>Reported:</b> 10/12/2023 10:15:04AM			
		SW-2				
		E310052-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2341023
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
o-Xylene	ND	0.0250	1	10/09/23	10/10/23	
p,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2341023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2341025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/23	10/11/23	
Surrogate: n-Nonane		89.8 %	50-200	10/09/23	10/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2341020

20.0

61.7

10/09/23

1

10/11/23

Chloride



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Num Project Mana	<b>Reported:</b> 10/12/2023 10:15:04AM				
		C-1 16'				
		E310052-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2341023
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
p-Xylene	ND	0.0250	1	10/09/23	10/10/23	
o,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2341023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2341025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/23	10/11/23	
Surrogate: n-Nonane		99.6 %	50-200	10/09/23	10/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2341020

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: BA

 Chloride
 81.1
 20.0
 1
 10/09/23
 10/11/23



	S	ample D	ata			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numl Project Mana	ber: 2304	vron 12 42-0001 d Hensley			<b>Reported:</b> 10/12/2023 10:15:04AM
		C-2 16'				
		E310052-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2341023
Benzene	ND	0.0250	1	10/09/23	10/10/23	
Ethylbenzene	ND	0.0250	1	10/09/23	10/10/23	
Toluene	ND	0.0250	1	10/09/23	10/10/23	
p-Xylene	ND	0.0250	1	10/09/23	10/10/23	
o,m-Xylene	ND	0.0500	1	10/09/23	10/10/23	
Total Xylenes	ND	0.0250	1	10/09/23	10/10/23	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2341023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/09/23	10/10/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	10/09/23	10/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2341025
Diesel Range Organics (C10-C28)	ND	25.0	1	10/09/23	10/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/09/23	10/11/23	
Surrogate: n-Nonane		91.3 %	50-200	10/09/23	10/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2341020

 Anions by EPA 300.0/9056A
 mg/kg
 mg/kg
 Analyst: BA

 Chloride
 78.4
 20.0
 1
 10/09/23
 10/11/23



# QC Summary Data

Matador Resources, LLC.		Project Name:	CI	hevron 12					
		Project Name:							Reported:
5400 LBJ Freeway, Suite 1500		Project Number:		3042-0001					
Dallas TX, 75240		Project Manager:	Cl	had Hensley					10/12/2023 10:15:04AN
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
,	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2341023-BLK1)							Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			
LCS (2341023-BS1)							Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Benzene	4.32	0.0250	5.00		86.4	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.5	70-130			
Foluene	4.52	0.0250	5.00		90.3	70-130			
p-Xylene	4.58	0.0250	5.00		91.6	70-130			
o,m-Xylene	9.17	0.0500	10.0		91.7	70-130			
Fotal Xylenes	13.8	0.0250	15.0		91.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.6	70-130			
Matrix Spike (2341023-MS1)				Source:	E310052-	02	Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Benzene	4.35	0.0250	5.00	ND	86.9	54-133			
Ethylbenzene	4.46	0.0250	5.00	ND	89.2	61-133			
Toluene	4.55	0.0250	5.00	ND	91.1	61-130			
p-Xylene	4.62	0.0250	5.00	ND	92.4	63-131			
o,m-Xylene	9.24	0.0500	10.0	ND	92.4	63-131			
Total Xylenes	13.9	0.0250	15.0	ND	92.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			
Matrix Spike Dup (2341023-MSD1)				Source:	E310052-	02	Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Benzene	4.44	0.0250	5.00	ND	88.8	54-133	2.10	20	
Ethylbenzene	4.58	0.0250	5.00	ND	91.5	61-133	2.56	20	
Toluene	4.66	0.0250	5.00	ND	93.2	61-130	2.27	20	
p-Xylene	4.73	0.0250	5.00	ND	94.7	63-131	2.40	20	
	9.48	0.0500	10.0	ND	94.8	63-131	2.57	20	
o,m-Xylene	14.2	0.0500	15.0	ND	94.8	63-131	2.51	20	



## QC Summary Data

		QC D	u	aly Data	ł				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Thevron 12 3042-0001 Thad Hensley					<b>Reported:</b> 10/12/2023 10:15:04AM
	No	nhalogenated O	Organics	by EPA 801	5D - GI	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2341023-BLK1)							Prepared: 1	0/09/23	Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			
LCS (2341023-BS2)							Prepared: 1	0/09/23	Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			
Matrix Spike (2341023-MS2)				Source: 1	E310052-0	)2	Prepared: 1	0/09/23	Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
Matrix Spike Dup (2341023-MSD2)				Source: 1	E310052-0	)2	Prepared: 1	0/09/23	Analyzed: 10/10/23
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.7	70-130	0.383	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

## QC Summary Data

		QC S	umm	ary Data	1				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager:	2	Chevron 12 3042-0001 Chad Hensley				1	<b>Reported:</b> 10/12/2023 10:15:04AM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2341025-BLK1)							Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			
LCS (2341025-BS1)							Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Diesel Range Organics (C10-C28)	239	25.0	250		95.6	38-132			
Surrogate: n-Nonane	49.2		50.0		98.3	50-200			
Matrix Spike (2341025-MS1)				Source:	E310046-	06	Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Diesel Range Organics (C10-C28)	222	25.0	250	ND	89.0	38-132			
Surrogate: n-Nonane	45.7		50.0		91.5	50-200			
Matrix Spike Dup (2341025-MSD1)				Source:	E310046-	06	Prepared: 1	0/09/23 A	nalyzed: 10/10/23
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.1	38-132	2.38	20	
Surrogate: n-Nonane	46.8		50.0		93.7	50-200			



## **QC Summary Data**

		QU N	umm	ary Dut	4					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240		Project Name: Project Number: Project Manager	2.	hevron 12 3042-0001 had Hensley					<b>Repo</b>	
		Anions	by EPA	300.0/90564	4				Analyst:	BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi %	t	Jotes
Blank (2341020-BLK1)							Prepared:	10/09/23	Analyzed: 10	0/11/23
Chloride	ND	20.0								
LCS (2341020-BS1)							Prepared:	10/09/23	Analyzed: 10	0/11/23
Chloride	243	20.0	250		97.0	90-110				
Matrix Spike (2341020-MS1)				Source:	E310052-	01	Prepared:	10/09/23	Analyzed: 10	0/11/23
Chloride	313	20.0	250	64.2	99.6	80-120				
Matrix Spike Dup (2341020-MSD1)				Source:	E310052-0	01	Prepared:	10/09/23	Analyzed: 10	0/11/23
Chloride	312	20.0	250	64.2	99.2	80-120	0.317	20		
	312	20.0	250				1			

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

_		Demmerons		
Γ	Matador Resources, LLC.	Project Name:	Chevron 12	
L	5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
L	Dallas TX, 75240	Project Manager:	Chad Hensley	10/12/23 10:15
	•	5		•

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 4/22/2024 10:17:29 AM

lient:	Matada	r/				Bill To		S.Ac	-041		b Us				<b>岩山</b> 谷			TAT		EPA	Program
oiect:	Cleur	on 12	2		Attention:	Talug LPE		Lab	WO#	052	,	Job	000	1	1D 2	2D	3D	Standar	d CWA	SDW	
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eport d	ле by: 🛛 🖉				141 141		Lab	ORO	DRO	BTEX by 8021	VOC by 8260	ls 60.	ide 3	BGDOC - NM	TCEQ 1005- TX				K		
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX	VOC	Metals 6010	Chloride 300.0	BGD(	TCEQ					Remar	ks
104	10-6-23	Soil	1	50-1				X	X	X			X		l,	i					Program
110				5W-1 5W-2	•		2	X	X	X		<b>.</b> .	X				r.		1 1. XE	<u>kr</u>	
1121				C-1	1.6'		3	X	X	X			X								
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~	ed by: (Signatu ed by: (Signatu		and the second sec	-6-23 Time Time	0 Mic	d by: (Signature) Ully Surf d by: (Signature)	Date Date		Time	530		Rec	eived	on i	ce:	La	b Use / N	e Only	Ex Const		
V VV-4	ed by: (Signatu	re)	Date Date	(2) [7]		d by: (Signature)	Date	23	Time			<u>T1</u>		1. 1. NAS		<u>T2</u>		alige aligned and a second and a Second and a second a	<u>T3</u>		
<i>Jan</i> elinguish	For at ed by: (Signatu	e)	10 Date	6 23 [1]. 1 Time	I pm Cl Receive	d by: (Signature)	10.9.2 Date	23	8 Time	:25	>	AVG	Tem	np °C	4	<u>6 7 8</u>		4	T AL	1997 - 1998 1997 - 1998 1997 - 1998	4.4
							Containa	r Tur		alace	-		actio		ambo	r glass			-		
	rix: S - Soil, Sd - S Samples are dis				Inless other arran	gements are made. Hazardo	Containe												ne report fo	or the analysi	s of the ab
						ed by the laboratory with this															

## **Envirotech Analytical Laboratory**

			Analyth	cal Laboratory		Finited: 10/9/2023 10:50:0/AM
Instructions	s: Please take note of any NO checkmarks.	Sample	Receipt Ch	ecklist (SRC)		
	e no response concerning these items within 24 hours of the	date of this noti	ice, all the sar	nples will be analyzed as requ	iested.	
Client:	Matador Resources, LLC. D	ate Received:	10/09/23 08	:25	Work Order ID:	E310052
Phone:	(972) 371-5200 D	ate Logged In:	10/06/23 16	:42	Logged In By:	Caitlin Mars
Email:	D	ue Date:	10/13/23 17	:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th	e field,	Yes		Commen	ts/Resolution
Samula	i.e, 15 minute hold time, are not included in this disucssion. <b>Turn Around Time (TAT)</b>				<u>commen</u>	
	turn Around Time (TAT) the COC indicate standard TAT, or Expedited TAT?		Yes			
			105			
Sample 7 Was a	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
•	•					
	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
-	s, were custody/security seals intact?		NA			
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	mperature: <u>4°</u>	<u>C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La	<u>ıbel</u>					
20. Were	e field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>	amrad0	N-			
	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	als?	NA No			
<u>Multiph</u>	ase Sample Matrix					
26. Does	s the sample have more than one phase, i.e., multiphase?	,	No			
27. If ye	s, does the COC specify which phase(s) is to be analyze	d?	NA			
<u>Subcont</u>	tract Laboratory					
28. Are s	samples required to get sent to a subcontract laboratory?	,	No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA S	Subcontract Lab: NA		
~						

**Client Instruction** 

Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.



June 02, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: CHEVRON 12 FED 3

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 11:32.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

#### Sample ID: S - 6 0-1' (H232762-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.04	102	2.00	8.36	
Toluene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	8.54	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.03	102	2.00	8.51	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.33	105	6.00	6.80	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	157	78.6	200	2.02	
DRO >C10-C28*	102	10.0	06/01/2023	ND	164	81.9	200	0.535	
EXT DRO >C28-C36	75.2	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

#### Sample ID: S - 6 2' (H232762-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.04	102	2.00	8.36	
Toluene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	8.54	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.03	102	2.00	8.51	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.33	105	6.00	6.80	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	157	78.6	200	2.02	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	164	81.9	200	0.535	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

#### Sample ID: S - 6 4' (H232762-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	81.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

#### Sample ID: S - 7 0-1' (H232762-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

## Sample ID: S - 7 2' (H232762-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

#### Sample ID: S - 7 4' (H232762-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

## Sample ID: S - 8 0-1' (H232762-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	74.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.0	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 8 2' (H232762-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 8 4' (H232762-09)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 9 0-1' (H232762-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 9 2' (H232762-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.0	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 9 4' (H232762-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	70.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 10 0-1' (H232762-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	73.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 10 2' (H232762-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 10 4' (H232762-15)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 11 0-1' (H232762-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 11 2' (H232762-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	06/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

# Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 11 4' (H232762-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 12 0-1' (H232762-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	77.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 12 2' (H232762-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TALON LPE CHAD HENSLEY 408 W. TEXAS AVE. ARTESIA NM, 88210 Fax To: (575) 745-8905

Received:	05/31/2023	Sampling Date:	05/30/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	CHEVRON 12 FED 3	Sampling Condition:	Cool & Intact
Project Number:	702520.053.01	Sample Received By:	Shalyn Rodriguez
Project Location:	MATADOR - LEA COUNTY, NM		

# Sample ID: S - 12 4' (H232762-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2023	ND	2.10	105	2.00	5.18	
Toluene*	<0.050	0.050	06/01/2023	ND	2.13	106	2.00	9.13	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.22	111	2.00	9.16	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.59	110	6.00	9.89	
Total BTEX	<0.300	0.300	06/01/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/01/2023	ND	166	83.2	200	0.903	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	183	91.3	200	0.677	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Neumquished by:       Date:       Received By:         Muthow bow       Time:       133       Received By:         Relinquished By:       Date:       Received By:       QQQ         Delivered By:       Circle One)       Time:       Received By:       QQQ         Sampler - UPS - Bus - Other:       3, 9, 2, 3, 2, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	Lab I.D.       Sample I.D.       Sample I.D.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         1233712       S-6 0-1'       G (G) RAB OR (C) OMP.         235641       G (G) RAB OR (C) OMP.       Integration of the constant of the consta		Sampler Name: M. Gomez, B. Medley	Project Location: Lea County, NM	Project Name: Chevron 12 Fed 3	Project #: /02520.053.01 Project owner: Matador	Phone #: 5/5./46.8/68 Fax #:	City: Artesia State: NM	Address: 408 W. Texas Ave	Project Manager: C. Hensley	Project Warmee:   alon LPE
Received By: Received By: Received By: H/13 Sample Condition Cool Intact Cool Intact S. 3 Cool Intact No No No No No No No No No No No No No No No No No No No N	G       (G)RAB OR (C)OMP.         G       1         # CONTAINERS         GROUNDWATER         WASTEWATER         VWASTEWATER         SOIL         OIL         SOIL         OIL         SLUDGE         OTHER :         ACID/BASE:         ICE / COOL         THER :         ACID/BASE:         ICE / COOL         T1:29         11:40         11:40         11:40         11:40         11:52         9:45	MATRIX		-				zip: 88210			
ED BY:	ACID/BASE: ACID/BASE: ICE / COOL OTHER : DATE 11 11 11 11 11 11 11 11 11		av #:	#	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO
Phone Result:	TIME 5 8:05 11:29 11:29 11:31 8:13 11:40 11:40 11:40 11:40 11:40 11:40 11:40 11:52 1	NO								_	
□ Yes □ No 3											
Add'l Phone #: Add'l Fax #:											ANALYSIS
							_				REDUEST

# Received by OCD: 4/17/2024 2:13:20 PM

# Laboratories

Page 89 of 162

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

	G				
Company Name: 1 alon LPE		BILL TO			ANALYSIS REQUEST
Project Manager: C. Hensley		P.O. #:		_	
Address: 408 W. Texas Ave		Company:			
city: Artesia state: NM	zip: 88210	Attn:			
Phone #: 575.746.8768 Fax #:		Address:			
Project #: 702520.053.01 Project Owner: Matador		City:			
Project Name: Chevron 12 Fed 3		State: Zip:			
Project Location: Lea County, NM	70	#			
Sampler Name: M. Gomez, B. Medley	77	Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	ING		
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER NASTEWATER SOIL DIL SLUDGE	ACID/BASE: CE / COOL DTHER : DATE		ВТЕХ ТРН	
// S-9 2'			-		
-		1 1	11:58 🗸	< <	
			9:51	< <	
			12:04	< <	
10104			12:07	< <	
19 9-11 0-1			9:55	<	
0 11 1			12:12 <	<	
19 S-12 0-1	< <		12:15	<	
20 S-12 2'				\ \ \	
PLEASE NOTE: Liability and Damages, Cardina's liability and elent's exclusive renerly for any dama raising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 30 days filter completion of the applicable service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of moths incurrent by view the scherizer.	ny claim arising whether based in contract or t eemed waived unless made in writing and rec without limitation, business interruptions, loss	lort, shall be limited to the amount paid ceived by Cardinal within 30 days after of use, or loss of profits incurred by cl	by the client for the completion of the applicable into the sub-individual of the sub-in		
Relinquished By: Date 3/ 22	Received By: Phone Res	ased upon any of the above stated rea	ult	Yes 🗆	
	Received By:	Anna	Fax Result: REMARKS:	□ Yes □ No	
		(	Door o of o	0	
Delivered By: (Circle One)	HIB Sample Condition	CH	Page 2 of 3	ŭ	
Sampler - UPS - Bus - Other: 3,9 J 3		(interaction)			
+ Cardinal connot poppet to the later of					

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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

# CARDINAL Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name:Talon LPE Project Manager: C. Hensley	BILL TO ANALYSIS REQUEST
	Company:
city: Artesia state: NM zip: 88210	Attn:
Fax #:	Address:
Project #: 702520.053.01 Project owner: Matador	City:
Project Name: Chevron 12 Fed 3	State: Zip:
Project Location: Lea County, NM	#
Sampler Name: M. Gomez, B. Medley	Fax #:
FOR LAB USE ONLY ATRIX	PRESERV SAMPLING
(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE CL BTEX TPH
G 1 V	X \$/30/23 1
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All daims including those for negligence and any other cause whatsoever shall be client water or water 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 insured by the client to the applicable affaites or successors arising out of or related to the performance of services thereinforder by Cardinal regardless of whether sub-	or tort, shall be limited to the amount paid by the client for the received by Cardinal within 30 days after completion of the applicable set of use of profits incurred by client, its subsidiaries, based uson any of the above stated received by client to subsidiaries, based uson any of the above stated received to receive the subsidiaries.
Multiplication     Multiplication     Received by:       Relinquished By:     Date:     Received By:       Time:     Time:	Phone Result: <u>Yes</u> No Add'I Phone #: Fax Result: <u>Yes</u> No Add'I Fax #: REMARKS:
Samp	M CHECKED BY: Page 3 of 3
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Received by OCD: 4/17/2024 2:13:20 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Chad Hensley Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210 Generated 3/30/2023 2:33:23 PM

# JOB DESCRIPTION

Chevron 12 Fed #3 SDG NUMBER 702520.053.01

# **JOB NUMBER**

890-4376-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

See page two for job notes and contact information.

Received by OCD: 4/17/2024 2:13:20 PM

# **Eurofins Carlsbad**

Job Notes

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

# Authorization

RAMER

Generated 3/30/2023 2:33:23 PM

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

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

Laboratory Job ID: 890-4376-1 SDG: 702520.053.01

# **Table of Contents**

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# **Definitions/Glossary**

Client: Talon/LPE Project/Site: Chevron 12 Fed #3 Job ID: 890-4376-1 SDG: 702520.053.01

Qualifiers		3
GC VOA Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	5
GC Semi VOA		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	8
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		4.0
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	12
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 NC	Method Quantitation Limit Not Calculated	
ND		
NEG	Not Detected at the reporting limit (or MDL or EDL if shown) 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)	
	Toxicity Equivalent Quotient (Dioxin)	
TEQ		

Job ID: 890-4376-1 SDG: 702520.053.01

# Job ID: 890-4376-1

# Laboratory: Eurofins Carlsbad

# Narrative

Job Narrative 890-4376-1

# Receipt

The samples were received on 3/21/2023 12:01 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 21.0°C

# **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (890-4376-1), S-1 (890-4376-2), S-1 (890-4376-3), S-2 (890-4376-4), S-2 (890-4376-5), S-2 (890-4376-6), S-3 (890-4376-7), S-3 (890-4376-8), S-3 (890-4376-9), S-4 (890-4376-10), S-4 (890-4376-11), S-4 (890-4376-12), S-5 (890-4376-13), S-5 (890-4376-14) and S-5 (890-4376-15).

The following samples were received at the laboratory outside the required temperature criteria: S-1 (890-4376-1), S-1 (890-4376-2), S-1 (890-4376-3), S-2 (890-4376-4), S-2 (890-4376-5), S-2 (890-4376-6), S-3 (890-4376-7), S-3 (890-4376-8), S-3 (890-4376-9), S-4 (890-4376-10), S-4 (890-4376-11), S-4 (890-4376-12), S-5 (890-4376-13), S-5 (890-4376-14) and S-5 (890-4376-15). The sample(s) is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

# GC VOA

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.

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Job ID: 890-4376-1 SDG: 702520.053.01

# Client Sample ID: S-1

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 08:52 Date Received: 03/21/23 12:01

Sample Depth: 1

Client: Talon/LPE

# Lab Sample ID: 890-4376-1

Matrix: Solid

5

Method: SW846 8021B - Volatile C Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		03/28/23 15:50	03/30/23 03:13	
Toluene	0.000714	J	0.00202	0.000461			03/28/23 15:50	03/30/23 03:13	
Ethylbenzene	<0.000571	U	0.00202	0.000571			03/28/23 15:50	03/30/23 03:13	
m-Xylene & p-Xylene	<0.00102	U	0.00404				03/28/23 15:50	03/30/23 03:13	
p-Xylene	<0.000347		0.00202	0.000347			03/28/23 15:50	03/30/23 03:13	
Xylenes, Total	<0.00102		0.00404	0.00102			03/28/23 15:50	03/30/23 03:13	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130				03/28/23 15:50	03/30/23 03:13	
1,4-Difluorobenzene (Surr)	107		70 - 130				03/28/23 15:50	03/30/23 03:13	
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			03/30/23 13:32	
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (G	C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	34.6	J	49.9	15.0	mg/Kg			03/27/23 11:15	
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	34.6	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 21:51	
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 21:51	
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 21:51	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130				03/24/23 08:47	03/24/23 21:51	
o-Terphenyl	99		70 - 130				03/24/23 08:47	03/24/23 21:51	ŝ
Method: EPA 300.0 - Anions, Ion (		-							
Analyte	Result	Qualifier	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloride	3.51	J	4.97	0.393	mg/Kg			03/24/23 07:34	
lient Sample ID: S-1							Lab Sar	nple ID: 890-	
ate Collected: 03/21/23 08:57 ate Received: 03/21/23 12:01								Matri	x: Solid
ample Depth: 3									
Method: SW846 8021B - Volatile C	Organic Comp	ounds (GC)							
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/28/23 15:50	03/30/23 03:33	
			0.00198	0.000451	ma/Ka		03/28/23 15:50	03/30/23 03:33	
Toluene	0.00139	J	0.00130	0.000101			00/20/20 10:00	00/00/20 00.00	
	<b>0.00139</b> <0.000559		0.00198	0.000559			03/28/23 15:50	03/30/23 03:33	
Ethylbenzene		U		0.000559	mg/Kg				
<b>Toluene</b> Ethylbenzene m-Xylene & p-Xylene o-Xylene	<0.000559	U U	0.00198		mg/Kg mg/Kg		03/28/23 15:50	03/30/23 03:33	

Ayienes, Iotai		0.00390	0.00100 mg/kg	03/20/23 13:30	03/30/23 03.33	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 _ 130		03/28/23 15:50	03/30/23 03:33	1

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# **Client Sample Results**

Job ID: 890-4376-1 SDG: 702520.053.01

Matrix: Solid

5

Lab Sample ID: 890-4376-2

# **Client Sample ID: S-1**

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 08:57 Date Received: 03/21/23 12:01

Sample Depth: 3

Client: Talon/LPE

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130				03/28/23 15:50	03/30/23 03:33	1
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00139	J	0.00396	0.00100	mg/Kg			03/30/23 13:32	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	33.5	J	50.0	15.0	mg/Kg			03/27/23 11:15	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	33.5	J	50.0	15.0	mg/Kg		03/24/23 08:47	03/24/23 22:57	
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/24/23 22:57	
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/24/23 22:57	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	101		70 - 130				03/24/23 08:47	03/24/23 22:57	
o-Terphenyl	105		70 - 130				03/24/23 08:47	03/24/23 22:57	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	0.922	1	5.00	0 305	mg/Kg			03/24/23 07:39	,

# **Client Sample ID: S-1**

Date Collected: 03/21/23 09:02

# Lab Sample ID: 890-4376-3 Matrix: Solid

Date Received: 03/21/23 12:01 Sample Depth: 4 Method: SW946 9021P Valatila Organia Compounds (CC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
Toluene	0.000935	J	0.00199	0.000453	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/23 15:50	03/30/23 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/28/23 15:50	03/30/23 03:54	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/28/23 15:50	03/30/23 03:54	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00100	U	0.00398	0.00100	mg/Kg			03/30/23 13:32	

_ Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.8	J	49.9	15.0	mg/Kg			03/27/23 11:15	1

Job ID: 890-4376-1 SDG: 702520.053.01

Matrix: Solid

Lab Sample ID: 890-4376-3

Lab Sample ID: 890-4376-4

Matrix: Solid

# Client Sample ID: S-1

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:02 Date Received: 03/21/23 12:01

# Sample Depth: 4

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.8	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 23:20	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 23:20	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/24/23 23:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/24/23 08:47	03/24/23 23:20	1
o-Terphenyl	95		70 - 130				03/24/23 08:47	03/24/23 23:20	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.82 J	4.96	0.392 mg/Kg			03/24/23 07:44	1

# Client Sample ID: S-2

# Date Collected: 03/21/23 09:08 Date Received: 03/21/23 12:01

Sample Depth: 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
Toluene	0.00123	J	0.00199	0.000454	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/23 15:50	03/30/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/28/23 15:50	03/30/23 04:14	1
1,4-Difluorobenzene (Surr)	107		70 - 130				03/28/23 15:50	03/30/23 04:14	1
Method: TAL SOP Total BTEX - Analyte	Result	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result 0.00123 el Range Organ	Qualifier J ics (DRO) (	0.00398	0.00101	mg/Kg			03/30/23 13:32	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result 0.00123 el Range Organ	Qualifier J	0.00398 GC) RL	0.00101		D	Prepared Prepared	03/30/23 13:32 Analyzed	Dil Fac 1 Dil Fac
Analyte Total BTEX	Result 0.00123 el Range Organ	Qualifier J ics (DRO) ( Qualifier	0.00398	0.00101 MDL	mg/Kg			03/30/23 13:32	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	el Range Organ Result 36.7	Qualifier J ics (DRO) ( Qualifier J	0.00398 GC) RL 49.9	0.00101 MDL	mg/Kg Unit			03/30/23 13:32 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Range Organ Result 36.7 sel Range Orga	Qualifier J ics (DRO) ( Qualifier J	0.00398 GC) RL 49.9	0.00101 MDL	mg/Kg Unit mg/Kg			03/30/23 13:32 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Range Organ Result 36.7 sel Range Orga	Qualifier J ics (DRO) (1 Qualifier J unics (DRO) Qualifier	GC) <u>RL</u> <u>49.9</u> (GC)	0.00101 MDL 15.0 MDL	mg/Kg Unit mg/Kg	D	Prepared	03/30/23 13:32 Analyzed 03/27/23 11:15	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die Analyte	el Range Organ Result Result 36.7 sel Range Orga Result	Qualifier J ics (DRO) (q Qualifier J mics (DRO) Qualifier J	0.00398 GC) 49.9 (GC) RL	0.00101 MDL 15.0 MDL 15.0	mg/Kg Unit mg/Kg Unit	D	Prepared	03/30/23 13:32 Analyzed 03/27/23 11:15 Analyzed	1 Dil Fac 1

		Clier	nt Sample	Results	5				
Client: Talon/LPE								Job ID: 890	
Project/Site: Chevron 12 Fed #3								SDG: 702520	0.053.01
Client Sample ID: S-2							Lab Sar	nple ID: 890-	4376-4
Date Collected: 03/21/23 09:08								Matri	x: Solid
Date Received: 03/21/23 12:01									
Sample Depth: 1									
_ Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solub	le						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Chloride	5.36		5.05	0.399	mg/Kg			03/24/23 07:48	1
Client Sample ID: S-2							Lab Sar	nple ID: 890-	4376-5
Date Collected: 03/21/23 09:13									x: Solid
Date Received: 03/21/23 12:01									
Sample Depth: 3									
	0								
Method: SW846 8021B - Volatile Analyte		Qualifier	r) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384		0.00200	0.000384	mg/Kg		03/28/23 15:50	03/30/23 04:35	1
Toluene	0.000879	J	0.00200	0.000455	mg/Kg		03/28/23 15:50	03/30/23 04:35	1
Ethylbenzene	<0.000564	U	0.00200	0.000564			03/28/23 15:50	03/30/23 04:35	1
m-Xylene & p-Xylene	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/23 15:50	03/30/23 04:35	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		03/28/23 15:50	03/30/23 04:35	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/23 15:50	03/30/23 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 04:35	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/28/23 15:50	03/30/23 04:35	1
_ Method: TAL SOP Total BTEX - 1	Total BTEX Cal	ulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			03/30/23 13:32	1
Method: SW846 8015 NM - Diese Analyte	• •	ICS (DRO) ( Qualifier	(GC) RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.1	J	49.9	15.0		<u>-</u>		03/27/23 11:15	1
	20.1	•	1010	1010				00,21,20 1110	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO	) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	23.1	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:05	1
(GRO)-C6-C10	~1E 0		49.9	15.0	ma/Ka		03/24/22 00.47	03/25/22 00.05	4
Diesel Range Organics (Over C10-C28)	<15.0	0	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:05	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/24/23 08:47	03/25/23 00:05	1
o-Terphenyl	91		70 - 130				03/24/23 08:47	03/25/23 00:05	1
 Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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03/24/23 07:53

Chloride

5.02

2.97 J

0.397 mg/Kg

1

Job ID: 890-4376-1 SDG: 702520.053.01

# **Client Sample ID: S-2**

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:17 Date Received: 03/21/23 12:01

Client: Talon/LPE

# Lab Sample ID: 890-4376-6

Matrix: Solid

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Method: SW846 8021B - Volatile						_			_
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000388		0.00202	0.000388	mg/Kg		03/28/23 15:50	03/30/23 06:24	
Toluene	0.000802	J	0.00202	0.000460	mg/Kg		03/28/23 15:50	03/30/23 06:24	
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		03/28/23 15:50	03/30/23 06:24	
m-Xylene & p-Xylene	<0.00102	U	0.00403	0.00102	mg/Kg		03/28/23 15:50	03/30/23 06:24	
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		03/28/23 15:50	03/30/23 06:24	
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		03/28/23 15:50	03/30/23 06:24	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	96		70 - 130				03/28/23 15:50	03/30/23 06:24	
1,4-Difluorobenzene (Surr)	107		70 - 130				03/28/23 15:50	03/30/23 06:24	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg			03/30/23 13:32	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<15.0	U	50.0	15.0	mg/Kg			03/27/23 11:15	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:27	
(GRO)-C6-C10	-15.0		50.0	15.0	malla		02/24/22 09:47	02/05/02 00.07	
Diesel Range Organics (Over C10-C28)	<15.0	0	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:27	
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	88		70 - 130				03/24/23 08:47	03/25/23 00:27	
p-Terphenyl	94		70 - 130				03/24/23 08:47	03/25/23 00:27	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	3.10	J	5.00	0.395	mg/Kg			03/24/23 07:58	
lient Sample ID: S-3							Lab Sar	nple ID: 890-	4376-
ate Collected: 03/21/23 09:22								Matri	ix: Soli
ate Received: 03/21/23 12:01									
ample Depth: 1									
Method: SW846 8021B - Volatile Analyte	• •	ounds (GC) Qualifier	) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000383		0.00199	0.000383			03/28/23 15:50	03/30/23 06:45	
Foluene	0.00110		0.00199	0.000454			03/28/23 15:50	03/30/23 06:45	
Ethylbenzene	< 0.000563		0.00199	0.000454			03/28/23 15:50	03/30/23 06:45	
n-Xylene & p-Xylene	<0.00101		0.00398	0.00101			03/28/23 15:50	03/30/23 06:45	
o-Xylene	< 0.000343		0.00199	0.000343			03/28/23 15:50	03/30/23 06:45	
Xylenes, Total	<0.00101	U	0.00398	0.00101	ma/Ka		03/28/23 15:50	03/30/23 06:45	

Aylenes, Total	<0.00101	0	0.00398	03/28/23 15.50	03/30/23 00.45	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/28/23 15:50	03/30/23 06:45	1

# **Client Sample Results**

Job ID: 890-4376-1 SDG: 702520.053.01

# Client Sample ID: S-3

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01

Sample Depth: 1

Client: Talon/LPE

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	107		70 - 130				03/28/23 15:50	03/30/23 06:45	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.00110	J	0.00398	0.00101	mg/Kg			03/30/23 13:32	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	45.3	J	50.0	15.0	mg/Kg			03/27/23 11:15	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	45.3	J	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:50	
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:50	
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 00:50	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	86		70 - 130				03/24/23 08:47	03/25/23 00:50	
o-Terphenyl	97		70 - 130				03/24/23 08:47	03/25/23 00:50	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	16.9		4.95	0.391	mg/Kg			03/24/23 01:17	-

# **Client Sample ID: S-3**

Date Collected: 03/21/23 09:29 Date Received: 03/21/23 12:01 Sample Depth: 3

#### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000381 U 0.00198 0.000381 mg/Kg 03/28/23 15:50 03/30/23 07:05 1 0.00198 0.000451 mg/Kg 03/28/23 15:50 03/30/23 07:05 Toluene 0.00129 J 1 Ethylbenzene <0.000559 U 0.00198 0.000559 mg/Kg 03/28/23 15:50 03/30/23 07:05 1 m-Xylene & p-Xylene <0.00100 U 0.00396 0.00100 mg/Kg 03/28/23 15:50 03/30/23 07:05 1 o-Xylene <0.000341 U 0.00198 0.000341 mg/Kg 03/28/23 15:50 03/30/23 07:05 1 Xylenes, Total <0.00100 U 0.00396 0.00100 mg/Kg 03/28/23 15:50 03/30/23 07:05 1 %Recovery Qualifier Limits Analyzed Dil Fac Surrogate Prepared 106 70 - 130 03/28/23 15:50 4-Bromofluorobenzene (Surr) 03/30/23 07:05 1 1,4-Difluorobenzene (Surr) 106 70 - 130 03/28/23 15:50 03/30/23 07:05 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 0.00129 0.00396 0.00100 03/30/23 13:32 **Total BTEX** mg/Kg J 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

 49.9	15.0	mg/Kg	_	 03/27/23 11:15	1	

Eurofins Carlsbad

Lab Sample ID: 890-4376-8

Matrix: Solid

 Lab Sample ID: 890-4376-7<br/>Matrix: Solid
 3

 4
 4

 5
 5

 repared
 Analyzed
 Dil Fac

 8/23 15:50
 03/30/23 06:45
 1

 6
 7
 6

 repared
 Analyzed
 Dil Fac

 7
 03/30/23 13:32
 1

**Total TPH** 

61.5

Matrix: Solid

# **Client Sample Results**

Job ID: 890-4376-1 SDG: 702520.053.01

Lab Sample ID: 890-4376-8

# Client Sample ID: S-3

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:29 Date Received: 03/21/23 12:01

# Sample Depth: 3

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.1	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:13	1
Diesel Range Organics (Over C10-C28)	17.4	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:13	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/24/23 08:47	03/25/23 01:13	1
o-Terphenyl	94		70 - 130				03/24/23 08:47	03/25/23 01:13	1

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

Analyte		Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.7	4.95	0.391	mg/Kg			03/24/23 01:22	1

# **Client Sample ID: S-3**

# Date Collected: 03/21/23 09:31 Date Received: 03/21/23 12:01

Sam	nle	De	oth:	4
Jain	pie	Del	pui.	- <b>T</b>

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/23 15:50	03/30/23 07:26	1
Toluene	0.000609	J	0.00199	0.000453	mg/Kg		03/28/23 15:50	03/30/23 07:26	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		03/28/23 15:50	03/30/23 07:26	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/23 15:50	03/30/23 07:26	
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		03/28/23 15:50	03/30/23 07:26	
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		03/28/23 15:50	03/30/23 07:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/28/23 15:50	03/30/23 07:26	
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 07:26	1
Method: TAL SOP Total BTEX - T		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00100	Qualifier	0.00398	0.00100	mg/Kg			03/30/23 13:32	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00100 I Range Organ Result	Qualifier U ics (DRO) ( Qualifier	0.00398	0.00100 MDL	mg/Kg Unit	<u>D</u>	Prepared Prepared		
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00100 I Range Organ Result 34.5 sel Range Orga	Qualifier U ics (DRO) ( Qualifier J	0.00398 GC) RL 49.9	0.00100 MDL 15.0	mg/Kg			03/30/23 13:32 Analyzed	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <0.00100 I Range Organ Result 34.5 sel Range Orga	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier	GC) (GC) (GC)	0.00100 MDL 15.0 MDL	mg/Kg Unit mg/Kg	D	Prepared	03/30/23 13:32 Analyzed 03/27/23 11:15	Dil Fa
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00100 I Range Organ Result 34.5 sel Range Orga Result	Qualifier U ics (DRO) (1 Qualifier J nics (DRO) Qualifier J	0.00398 GC) <u>RL</u> 49.9 (GC) <u>RL</u>	0.00100 MDL 15.0 MDL 15.0	mg/Kg Unit mg/Kg Unit	D	Prepared	03/30/23 13:32 Analyzed 03/27/23 11:15 Analyzed	-

Dil Fac %Recovery Qualifier Limits Prepared Analyzed Surrogate 70 - 130 03/24/23 08:47 1-Chlorooctane 83 03/25/23 01:36 1 o-Terphenyl 89 70 - 130 03/24/23 08:47 03/25/23 01:36 1

		Client	Sample	Results	\$				
Client: Talon/LPE								Job ID: 890	-4376-1
Project/Site: Chevron 12 Fed #3								SDG: 702520	).053.01
Client Sample ID: S-3							Lab Sar	nple ID: 890-	4376-9
Date Collected: 03/21/23 09:31									ix: Solid
Date Received: 03/21/23 12:01									
Sample Depth: 4									
Method: EPA 300.0 - Anions, Ion Analyte	• •	Ohy - Soluble Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		5.01		mg/Kg			03/24/23 01:27	1
- Client Semple ID: S.4							Lah Sam	ple ID: 890-4	276 10
Client Sample ID: S-4 Date Collected: 03/21/23 09:36							Lan Sain		
Date Collected: 03/21/23 09:36								watr	ix: Solid
Sample Depth: 1									
Method: SW846 8021B - Volatile									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384		0.00200	0.000384	0 0		03/28/23 15:50	03/30/23 07:46	1
Toluene	0.00112		0.00200	0.000455			03/28/23 15:50	03/30/23 07:46	1
Ethylbenzene	< 0.000564		0.00200	0.000564			03/28/23 15:50	03/30/23 07:46	1
m-Xylene & p-Xylene	< 0.00101		0.00399	0.00101			03/28/23 15:50	03/30/23 07:46	1
o-Xylene	< 0.000343		0.00200	0.000343			03/28/23 15:50	03/30/23 07:46	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		03/28/23 15:50	03/30/23 07:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 07:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/28/23 15:50	03/30/23 07:46	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00112	J	0.00399	0.00101	mg/Kg			03/30/23 13:32	1
Method: SW846 8015 NM - Diese Analyte		Qualifier	C) RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		·	49.9		mg/Kg			03/27/23 11:15	1
=		-			5 5				
Method: SW846 8015B NM - Dies			GC)						
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.7	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:59	1
Diesel Range Organics (Over	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:59	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				03/24/23 08:47	03/25/23 01:59	1
o-Terphenyl	85		70 - 130				03/24/23 08:47	03/25/23 01:59	1
Method: EPA 300.0 - Anions, Ion	Chromatogram	hy - Soluble							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<u>524</u>		4 98		ma/Ka			03/24/23 01:41	1

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03/24/23 01:41

Chloride

4.98

0.393 mg/Kg

RL

0.00201

MDL Unit

0.000387 mg/Kg

D

Prepared

03/28/23 15:50

Dil Fac

1

Job ID: 890-4376-1 SDG: 702520.053.01

# **Client Sample ID: S-4**

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:16 Date Received: 03/21/23 12:01

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

Result Qualifier

<0.000387 U

Sample Depth: 3

Analyte

Benzene

Client: Talon/LPE

Analyzed

03/30/23 08:07

# Matrix: Solid

5

Delizene	~0.000307	0	0.00201	0.000307	ilig/itg		00/20/20 10.00	03/30/23 00.07	
Toluene	0.00120	J	0.00201	0.000459	mg/Kg		03/28/23 15:50	03/30/23 08:07	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		03/28/23 15:50	03/30/23 08:07	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102	mg/Kg		03/28/23 15:50	03/30/23 08:07	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		03/28/23 15:50	03/30/23 08:07	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		03/28/23 15:50	03/30/23 08:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 _ 130				03/28/23 15:50	03/30/23 08:07	1
1,4-Difluorobenzene (Surr)	109		70 _ 130				03/28/23 15:50	03/30/23 08:07	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00120	J	0.00402	0.00102	mg/Kg			03/30/23 13:32	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	31.0	J	49.9	15.0	mg/Kg			03/27/23 11:15	1
_ Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.0	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 02:43	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 02:43	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/24/23 08:47	03/25/23 02:43	1
o-Terphenyl	93		70 - 130				03/24/23 08:47	03/25/23 02:43	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Soluble	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		5.04	0.398	mg/Kg			03/24/23 01:46	1
Client Sample ID: S-4							Lab Sam	ple ID: 890-4	376-12
Date Collected: 03/21/23 09:19								Matri	x: Solid
Date Received: 03/21/23 12:01									
Sample Depth: 4									
_ Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		03/28/23 15:50	03/30/23 08:27	1
Toluene	0.00109	J	0.00200	0.000457	mg/Kg		03/28/23 15:50	03/30/23 08:27	1

4-Bromofluorobenzene (Surr)	100		70 _ 130			03/28/23 15:50	03/30/23 08:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg	03/28/23 15:50	03/30/23 08:27	1
o-Xylene	<0.000345		0.00200	0.000345	0 0	03/28/23 15:50	03/30/23 08:27	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101	mg/Kg	03/28/23 15:50	03/30/23 08:27	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg	03/28/23 15:50	03/30/23 08:27	1
Toluene	0.00109	J	0.00200	0.000457	mg/Kg	03/28/23 15:50	03/30/23 08:27	1
Denizerite	0.000000	0	0.00200	0.000000		00/20/20 10:00	00/00/20 00:21	•

Matrix: Solid

5

# **Client Sample Results**

Job ID: 890-4376-1 SDG: 702520.053.01

Lab Sample ID: 890-4376-12

# Client Sample ID: S-4

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:19 Date Received: 03/21/23 12:01

Sample Depth: 4

Client: Talon/LPE

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 08:27	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.00109	J	0.00401	0.00101	mg/Kg			03/30/23 13:32	
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	44.3	J	50.0	15.0	mg/Kg			03/27/23 11:15	
Method: SW846 8015B NM - Dies	• •	DRO)	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	44.3		50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:05	
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:05	
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:05	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				03/24/23 08:47	03/25/23 03:05	
o-Terphenyl	92		70 - 130				03/24/23 08:47	03/25/23 03:05	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	118		5.02	0.397	mg/Kg			03/24/23 02:01	-

# **Client Sample ID: S-5**

Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01 Sample Depth: 1

# Lab Sample ID: 890-4376-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
Toluene	0.00155	J	0.00198	0.000451	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		03/28/23 15:50	03/30/23 08:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/28/23 15:50	03/30/23 08:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 08:47	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00155	J	0.00396	0.00100	mg/Kg			03/30/23 13:32	1

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.5	J	50.0	15.0	mg/Kg			03/27/23 11:15	1

Matrix: Solid

Job ID: 890-4376-1 SDG: 702520.053.01

Lab Sample ID: 890-4376-13

# **Client Sample ID: S-5**

Project/Site: Chevron 12 Fed #3

Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01

# Sample Depth: 1

Client: Talon/LPE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.5	J	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:26	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:26	1
Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/24/23 08:47	03/25/23 03:26	1
o-Terphenyl	87		70 - 130				03/24/23 08:47	03/25/23 03:26	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	452	4.97	0.393 mg/Kg			03/24/23 02:05	1

# **Client Sample ID: S-5**

# Date Collected: 03/21/23 09:25 Date Received: 03/21/23 12:01

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Sam	hie	Deh	<b>u</b> .	J

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
Toluene	0.000953	J	0.00199	0.000454	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		03/28/23 15:50	03/30/23 09:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				03/28/23 15:50	03/30/23 09:08	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/23 15:50	03/30/23 09:08	1
Method: TAL SOP Total BTEX - 1 Analyte		culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg		·	03/30/23 13:32	1
Method: SW846 8015 NM - Diese Analyte	• •	<mark>ics (DRO) (</mark> Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.8	J	49.9	15.0	mg/Kg			03/27/23 11:15	1
Method: SW846 8015B NM - Die: Analyte		n <mark>ics (DRO)</mark> Qualifier	(GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32.8	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:48	
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 03:48	

03/24/23 08:47 03/25/23 03:48 70 - 130 1-Chlorooctane 100 1 o-Terphenyl 98 70 - 130 03/24/23 08:47 03/25/23 03:48 1

		Client	Sample	Results	;				
Client: Talon/LPE								Job ID: 890	-4376-1
Project/Site: Chevron 12 Fed #3								SDG: 702520	0.053.01
Client Sample ID: S-5							Lab Sam	ple ID: 890-4	376-14
Date Collected: 03/21/23 09:25								Matri	ix: Solid
Date Received: 03/21/23 12:01									
Sample Depth: 3									
—									
Method: EPA 300.0 - Anions, Ion		hy - Soluble Qualifier	RL	МП	Unit	D	Propared	Analyzod	Dil Fac
Analyte Chloride			5.01		mg/Kg		Prepared	Analyzed 03/24/23 02:10	1
_					0 0		Lab Oam	- I- ID- 000 4	070 45
Client Sample ID: S-5							Lab Sam	ple ID: 890-4	
Date Collected: 03/21/23 09:29 Date Received: 03/21/23 12:01 Sample Depth: 4								Watr	ix: Solid
_ Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383		0.00199	0.000383	mg/Kg		03/28/23 15:50	03/30/23 09:28	1
Toluene	0.00112		0.00199	0.000453			03/28/23 15:50	03/30/23 09:28	1
Ethylbenzene	< 0.000562		0.00199	0.000562	0 0		03/28/23 15:50	03/30/23 09:28	1
m-Xylene & p-Xylene	< 0.00100		0.00398	0.00100			03/28/23 15:50	03/30/23 09:28	1
o-Xylene	< 0.000342		0.00199	0.000342	0 0		03/28/23 15:50	03/30/23 09:28	1
Xylenes, Total	<0.00100		0.00398	0.00100	0 0		03/28/23 15:50	03/30/23 09:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				03/28/23 15:50	03/30/23 09:28	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/28/23 15:50	03/30/23 09:28	1
-									
Method: TAL SOP Total BTEX - 1						_			
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00112	J	0.00398	0.00100	mg/Kg			03/30/23 13:32	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
_Total TPH	37.4	J	49.9	15.0	mg/Kg			03/27/23 11:15	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) ((	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	37.4	J	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 04:10	1
(GRO)-C6-C10			40.0	15.0	ma m //		02/04/02 02 47	02/05/02 04 40	
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 04:10	1
Oll Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		03/24/23 08:47	03/25/23 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				03/24/23 08:47	03/25/23 04:10	1
o-Terphenyl	86		70 - 130				03/24/23 08:47	03/25/23 04:10	1
_									
Method: EPA 300.0 - Anions, Ion		-			Unit	~	Dropered	Analyzed	
Analyte		Qualifier	RL .		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	597		4.98	0.393	mg/Kg			03/24/23 02:15	1

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Client: Talon/LPE Project/Site: Chevron 12 Fed #3

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

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-26417-A-1-F MS	Matrix Spike	100	111		
880-26417-A-1-G MSD	Matrix Spike Duplicate	102	109		6
890-4376-1	S-1	105	107		
890-4376-2	S-1	102	105		
890-4376-3	S-1	102	103		
890-4376-4	S-2	105	107		8
890-4376-5	S-2	106	105		
890-4376-6	S-2	96	107		9
890-4376-7	S-3	100	107		3
890-4376-8	S-3	106	106		
890-4376-9	S-3	104	106		
890-4376-10	S-4	106	108		
890-4376-11	S-4	104	109		
890-4376-12	S-4	100	106		
890-4376-13	S-5	102	106		
890-4376-14	S-5	98	106		
890-4376-15	S-5	98	103		13
LCS 880-49656/1-A	Lab Control Sample	100	112		
LCSD 880-49656/2-A	Lab Control Sample Dup	94	109		
MB 880-49653/5-A	Method Blank	89	101		
MB 880-49656/5-A	Method Blank	90	100		

# Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4376-1	S-1	100	99	
890-4376-1 MS	S-1	94	94	
890-4376-1 MSD	S-1	111	103	
890-4376-2	S-1	101	105	
890-4376-3	S-1	85	95	
890-4376-4	S-2	94	94	
890-4376-5	S-2	83	91	
890-4376-6	S-2	88	94	
890-4376-7	S-3	86	97	
890-4376-8	S-3	86	94	
890-4376-9	S-3	83	89	
890-4376-10	S-4	79	85	
890-4376-11	S-4	87	93	
890-4376-12	S-4	89	92	
890-4376-13	S-5	86	87	
890-4376-14	S-5	100	98	
890-4376-15	S-5	84	86	
LCS 880-49368/2-A	Lab Control Sample	85	100	

Prep Type: Total/NA

Prep Type: Total/NA
# Surrogate Summary

Client: Talon/LPE Project/Site: Chevron 12	2 Fed #3			Job ID: 890-4376-1 SDG: 702520.053.01	2
Method: 8015B NM Matrix: Solid	- Diesel Range Organics	s (DRO) (GC	) (Contir	nued) Prep Type: Total/NA	3
				Percent Surrogate Recovery (Acceptance Limits)	4
l l Domaio ID	Olivert Osmala ID	1CO1	OTPH1		
Lab Sample ID LCSD 880-49368/3-A	Client Sample ID     Lab Control Sample Dup	<u>(70-130)</u> 83	(70-130) 96		5
MB 880-49368/1-A	Method Blank	101	109		6
Surrogate Legend					
1CO = 1-Chlorooctane					7
OTPH = o-Terphenyl					8
					9
					12
					13

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# **QC Sample Results**

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

Lab Sample ID: MB 880-4965	3/5-A									Client Sa	mple ID: Meth	od E	3lank
Matrix: Solid											Prep Type:		
Analysis Batch: 49792											Prep Bat		
	МВ	МВ											
Analyte	Result	Qualifier	RL		MDL	Unit		D	P	repared	Analyzed	ſ	Dil Fac
Benzene	<0.000385	U	0.00200	0.00	0385	mg/Kg			03/2	7/23 14:59	03/29/23 13:26	- —	1
Toluene	<0.000456	U	0.00200	0.00	0456				03/2	7/23 14:59	03/29/23 13:26		1
Ethylbenzene	<0.000565		0.00200		0565					7/23 14:59	03/29/23 13:26		1
m-Xylene & p-Xylene	<0.00101		0.00400		0101					7/23 14:59	03/29/23 13:26		1
o-Xylene	<0.000344		0.00200		0344					7/23 14:59	03/29/23 13:26		1
Xylenes, Total	< 0.00101		0.00400		0101					7/23 14:59	03/29/23 13:26		1
, yienee, retai	0.00101	0	0.00100	010					00/2	.,20	00,20,20 10.20		·
	MB	МВ											
Surrogate	%Recovery	Qualifier	Limits	_					P	repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130						03/2	7/23 14:59	03/29/23 13:26		1
1,4-Difluorobenzene (Surr)	101		70 - 130						03/2	7/23 14:59	03/29/23 13:26		1
Lab Cample ID: MD 990 4005										Client Co			Zlank
Lab Sample ID: MB 880-4965	A-C/00									Client Sa	mple ID: Meth		
Matrix: Solid											Prep Type:		
Analysis Batch: 49792											Prep Bate	cn: 4	19626
	MB							_	_			_	
Analyte		Qualifier				Unit		<u>D</u>		repared	Analyzed		Dil Fac
Benzene	<0.000385		0.00200		0385					8/23 15:50	03/30/23 01:02		1
Toluene	<0.000456		0.00200		0456					8/23 15:50	03/30/23 01:02		1
Ethylbenzene	<0.000565		0.00200			mg/Kg				8/23 15:50	03/30/23 01:02		1
m-Xylene & p-Xylene	<0.00101	U	0.00400		0101				03/2	8/23 15:50	03/30/23 01:02		1
o-Xylene	<0.000344	U	0.00200	0.00	0344	mg/Kg			03/2	8/23 15:50	03/30/23 01:02		1
Xylenes, Total	<0.00101	U	0.00400	0.0	0101	mg/Kg			03/2	8/23 15:50	03/30/23 01:02		1
	МВ	МВ											
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	I	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	-					03/2	8/23 15:50	03/30/23 01:02		1
1,4-Difluorobenzene (Surr)	100		70 - 130						03/2	8/23 15:50	03/30/23 01:02		1
_													
Lab Sample ID: LCS 880-496	56/1-A							CI	lient	Sample	ID: Lab Contro		-
Matrix: Solid											Prep Type:		
Analysis Batch: 49792											Prep Bate	ch: 4	9656
			Spike	LCS	LCS	;					%Rec		
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits		
Benzene			0.100	0.1042			mg/Kg			104	70 - 130		
Toluene			0.100	0.1013			mg/Kg			101	70 - 130		
Ethylbenzene			0.100	0.09223			mg/Kg			92	70 - 130		
m-Xylene & p-Xylene			0.200	0.1809			mg/Kg			90	70 - 130		
o-Xylene			0.100	0.09209			mg/Kg			92	70 - 130		
	LCS LCS	3											
Surrogate	%Recovery Qua		Limits										
4-Bromofluorobenzene (Surr)	100		70 - 130										
1,4-Difluorobenzene (Surr)	112		70 - 130										
_													
Lab Sample ID: LCSD 880-49	656/2-A						Cli	ent	Sam	ple ID: L	ab Control Sa	mple	Dup
Matrix: Solid											Prep Type:	Tot	al/NA
Analysis Batch: 49792											Prep Bate	ch: 4	9656
			Spike	LCSD	LCS	D					%Rec		RPD
Analyte			Added	Result	Qua	lifier	Unit		D	%Rec	Limits R	PD	Limit
8									_				

Job ID: 890-4376-1 SDG: 702520.053.01

ac	
1	
1	
1	

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10

Benzene

0.09462

mg/Kg

95

70 - 130

0.100

35

# **QC Sample Results**

Ethylbenzene

o-Xylene

Surrogate

Matrix: Solid

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Lab Sample ID: 880-26417-A-1-G MSD

1,4-Difluorobenzene (Surr)

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

<0.000564 U

<0.00101 U

<0.000343 U

100

111

102

109

MS MS %Recovery Qualifier

Lab Sample ID: LCSD 880-49 Matrix: Solid Analysis Batch: 49792	9656/2-A					Clier	nt Sam	iple ID:		ol Sampl Type: To Batch:	tal/NA
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.09180		mg/Kg		92	70 - 130	10	35
Ethylbenzene			0.100	0.08375		mg/Kg		84	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1649		mg/Kg		82	70 - 130	9	35
o-Xylene			0.100	0.08425		mg/Kg		84	70 - 130	9	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								
Lab Sample ID: 880-26417-A Matrix: Solid Analysis Batch: 49792	-1-F MS							Client		: Matrix Type: To Batch:	tal/NA
-	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.000384	U	0.100	0.08840		mg/Kg		88	70 - 130		
Toluene	0.000737	J	0.100	0.08576		mg/Kg		85	70 - 130		

0.100

0.200

0.100

Limits 70 - 130

70 - 130

70 - 130

70 - 130

0.07788

0.1519

0.07850

mg/Kg

mg/Kg

mg/Kg

Client Sample ID: Matrix Spike Duplicate

78

76

78

70 - 130

70 - 130

70 - 130

# Prep Type: Total/NA

Analysis Batch: 49792									Prep	Batch:	49656
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.000384	U	0.0990	0.09342		mg/Kg		94	70 - 130	6	35
Toluene	0.000737	J	0.0990	0.08971		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.000564	U	0.0990	0.08056		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	<0.00101	U	0.198	0.1555		mg/Kg		79	70 - 130	2	35
o-Xylene	<0.000343	U	0.0990	0.08055		mg/Kg		81	70 - 130	3	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

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

Lab Sample ID: MB 880-49368/1-A Matrix: Solid Analysis Batch: 49358	мв	МВ					Client Sa	mple ID: Metho Prep Type: <sup>-</sup> Prep Batcl	Fotal/NA
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		03/24/23 08:47	03/24/23 20:44	1

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Released to Imaging: 4/22/2024 10:17:29 AM

Client: Talon/LPE

# Job ID: 890-4376-1 SDG: 702520.053.01

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

Lab Sample ID: MB 880-49368/1	I- <b>A</b>										Client Sa	ample ID: I	Method	Blank
Matrix: Solid												Prep T	ype: To	otal/NA
Analysis Batch: 49358												Prep	Batch:	49368
			MB											
Analyte			Qualifier	RL		MDL			D		repared	Analyz		Dil Fa
Diesel Range Organics (Over	<1	15.0	U	50.0		15.0	mg/Kg	9		03/24	4/23 08:47	03/24/23 2	20:44	
C10-C28) Oll Range Organics (Over C28-C36)	<1	15.0	U	50.0		15.0	mg/Kg	r		03/2	4/23 08:47	03/24/23 2	20.44	
			0	00.0				2		00/2		00/2 //20 2		
			МВ											
Surrogate	%Recov	-	Qualifier	Limits							repared	Analyz		Dil Fa
1-Chlorooctane		101		70 - 130 70 - 130							4/23 08:47	03/24/23 2		
o-Terphenyl		109		70 - 130						03/2	4/23 08:47	03/24/23 2	20:44	
Lab Sample ID: LCS 880-49368/	2-A								С	lient	Sample	ID: Lab Co	ontrol S	ampl
Matrix: Solid													ype: To	
Analysis Batch: 49358													Batch:	
-				Spike	LCS	LCS						%Rec		
Analyte				Added	Result	Qual	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000	852.9			mg/Kg			85	70 - 130		
(GRO)-C6-C10														
Diesel Range Organics (Over				1000	963.6			mg/Kg			96	70 - 130		
C10-C28)														
	LCS													
	%Recovery	Quali	ifier	Limits										
Surrogate	-													
1-Chlorooctane	85			70 - 130 70 - 120										
1-Chlorooctane o-Terphenyl	-			70 - 130 70 - 130										
1-Chlorooctane o-Terphenyl	85 100							Cli	ent	Sam	nle ID: I	ab Contro	l Samp	le Dui
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936	85 100							Cli	ent	Sam	ple ID: L	ab Contro Prep T	-	
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid	85 100							Cli	ent	Sam	ple ID: L	Prep T	ype: To	otal/N/
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936	85 100				LCSD	LCS	D	Cli	ent	Sam	ple ID: L	Prep T	-	otal/NA 49368
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358	85 100			70 - 130	LCSD Result			Cli	ent	Sam D	ple ID: L %Rec	Prep T Prep	ype: To	otal/NA 49368 RPI
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte	85 100			70 - 130 Spike					ent		-	Prep T Prep %Rec	ype: To Batch:	otal/NA 49368 RPI Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10	85 100			70 - 130 Spike Added 1000	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPE</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100			70 - 130 Spike Added	Result			Unit	ent		%Rec	Prep T Prep %Rec Limits	ype: To Batch: RPD	<b>49368</b> <b>RPI</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100			70 - 130 Spike Added 1000	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPI</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100	LCSE		70 - 130 Spike Added 1000	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPI</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	85 100 8/3-A <i>LCSD</i> %Recovery			70 - 130 Spike Added 1000 1000 Limits	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPI</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	85 100 8/3-A <i>LCSD</i> %Recovery 83			70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPE</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	85 100 8/3-A <i>LCSD</i> %Recovery			70 - 130 Spike Added 1000 1000 Limits	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130	ype: To Batch: <u>RPD</u> 5	<b>49368</b> <b>RPE</b> Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	85 100 8/3-A <i>LCSD</i> %Recovery 83			70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 5 7	<b>49368</b> <b>RPI</b> <u>Limi</u> 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	85 100 8/3-A <i>LCSD</i> %Recovery 83			70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T           %Rec           Limits           70 - 130           70 - 130           Client S	ype: To Batch: <u>RPD</u> 5 7 ample I	00000000000000000000000000000000000000
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid	85 100 8/3-A <i>LCSD</i> %Recovery 83			70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 808.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	ype: To Batch: 7 7 ample I ype: To	49368 RPI Limi 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid	85 100 8/3-A <i>LCSD</i> %Recovery 83	Quali	ifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 808.3 895.3			<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130	ype: To Batch: <u>RPD</u> 5 7 ample I	49368 RPI Limi 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358	85 100 8/3-A <i>LCSD</i> %Recovery 83 96	<u>Quali</u> Samp	ifier	70 - 130 Spike Added 1000 1000 Limits 70 - 130 70 - 130	Result 808.3 895.3	Qual	lifier	<mark>Unit</mark> mg/Kg	ent		%Rec	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep	ype: To Batch: 7 7 ample I ype: To	49368 RPI Limi 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample	Quali Samp Quali	ifier	70 - 130  Spike Added 1000 1000  Limits 70 - 130 70 - 130 70 - 130 Spike	Result 808.3 895.3 MS	Qual	lifier	Unit mg/Kg mg/Kg	ent	<u>D</u>	%Rec 81 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec	ype: To Batch: 7 7 ample I ype: To	10: S btal/N/ 49364 RPI 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result 34.6	Quali Samp Quali J	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         5pike         Added         998	Result           808.3           895.3           Solution           MS           Result           981.4	Qual	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ent	<u>D</u>	%Rec 90 %Rec 95	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep %Rec Limits 70 - 130	ype: To Batch: 7 7 ample I ype: To	10: S btal/N/ 49364 RPI 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result	Quali Samp Quali J	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         50 - 130         70 - 130         70 - 130         Spike         Added	Result           808.3           895.3           Solution           MS           Result	Qual	lifier	Unit mg/Kg mg/Kg	ent	<u>D</u>	%Rec 81 90	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec Limits	ype: To Batch: 7 7 ample I ype: To	10: S- btal/N/ 4936 RPI 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result 34.6	Quali Samp Quali J	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         5pike         Added         998	Result           808.3           895.3           Solution           MS           Result           981.4	Qual	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ent	<u>D</u>	%Rec 90 %Rec 95	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep %Rec Limits 70 - 130	ype: To Batch: 7 7 ample I ype: To	10: S btal/N/ 49364 RPI 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result 34.6 <15.0 <i>MS</i>	Quali Samp Quali J U	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         5pike         Added         998	Result           808.3           895.3           Solution           MS           Result           981.4	Qual	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ent	<u>D</u>	%Rec 90 %Rec 95	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep %Rec Limits 70 - 130	ype: To Batch: 7 7 ample I ype: To	10: S btal/N/ 49364 RPI 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result 34.6 <15.0 <i>MS</i> %Recovery	Quali Samp Quali J	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         1000         Spike         Added         998         998         Limits	Result           808.3           895.3           Solution           MS           Result           981.4	Qual	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ent	<u>D</u>	%Rec 90 %Rec 95	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep %Rec Limits 70 - 130	ype: To Batch: 7 7 ample I ype: To	49368 RPE Limi 20 20 ID: S-1 otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-4936 Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-4376-1 MS Matrix: Solid Analysis Batch: 49358 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	85 100 8/3-A <i>LCSD</i> %Recovery 83 96 Sample Result 34.6 <15.0 <i>MS</i>	Quali Samp Quali J U	ifier	70 - 130         Spike         Added         1000         1000         1000         1000         1000         1000         5pike         Added         998         998	Result           808.3           895.3           Solution           MS           Result           981.4	Qual	lifier	Unit mg/Kg mg/Kg <u>Unit</u> mg/Kg	ent	<u>D</u>	%Rec 90 %Rec 95	Prep T Prep %Rec Limits 70 - 130 70 - 130 70 - 130 Client S Prep T Prep %Rec Limits 70 - 130	ype: To Batch: 7 7 ample I ype: To	49368 RPE Limi 20 20 ID: S-1 btal/NA

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Client: Talon/LPE

# Job ID: 890-4376-1 SDG: 702520.053.01

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

Lab Sample ID: 890-4376-1 M	ISD								Client S	Sample I	D: S-1
Matrix: Solid									Prep 1	Гуре: То	tal/NA
Analysis Batch: 49358									Prep	Batch:	49368
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	34.6		999	1188		mg/Kg		115	70 - 130	19	20
(GRO)-C6-C10											
Diesel Range Organics (Over C10-C28)	<15.0	U	999	1087		mg/Kg		109	70 - 130	11	20
	MSD	MSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	103		70 - 130								
ethod: 300.0 - Anions, Io	on Chromat	ography									
Lab Sample ID: MB 880-49278 Matrix: Solid	8/1-A							Client S	ample ID:		
									Prep	Type: S	οιαριε
Analysis Batch: 49446											
A	-	MB MB		Ы					A b		D!! E
Analyte Chloride		esult Qualifier			MDL Unit		D P	repared	Analyz 		Dil Fac
Chionde				5.00	).395 mg/K	9			03/24/23	00.00	'
Lab Sample ID: LCS 880-4927	78/2-A						Client	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 49446											
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
			250	270.9		mg/Kg		108	90 _ 110		
Chloride			200	210.0		5. 5					
	278/3-A		230	210.0			ent San	ple ID:	Lab Contro	ol Samp	le Dup
Lab Sample ID: LCSD 880-49	278/3-A		200	210.0			ent San	nple ID:	Lab Contro Prep		
Lab Sample ID: LCSD 880-49 Matrix: Solid	278/3-A		200	210.0			ent San	nple ID:		ol Samp Type: S	
Lab Sample ID: LCSD 880-49 Matrix: Solid	278/3-A		Spike		LCSD		ent San	nple ID:			
Lab Sample ID: LCSD 880-49 Matrix: Solid Analysis Batch: 49446	278/3-A			LCSD	LCSD Qualifier		ent San	N <b>ple ID:</b>	Prep		oluble
Lab Sample ID: LCSD 880-49 Matrix: Solid Analysis Batch: 49446 <sup>Analyte</sup>	278/3-A		Spike	LCSD		Cli		-	Prep %Rec	Type: S	RPD
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride			Spike Added	LCSD Result		Cli		%Rec	Prep %Rec Limits 90 - 110	Type: S	RPD Limit
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M			Spike Added	LCSD Result		Cli		%Rec	Prep %Rec Limits 90 - 110 Client S	Type: S <u>RPD</u> 0 Sample I	RPD Limit 20
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid			Spike Added	LCSD Result		Cli		%Rec	Prep %Rec Limits 90 - 110 Client S	Type: S	RPD Limit 20
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid		Sample	Spike Added 250	LCSD Result 270.9	Qualifier	Cli		%Rec	Prep %Rec Limits 90 - 110 Client S Prep	Type: S <u>RPD</u> 0 Sample I	RPD Limit 20
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446	Sample	Sample Qualifier	Spike Added 250 Spike	LCSD Result 270.9 MS	Qualifier	Cli Unit mg/Kg	<u>D</u>	% <b>Rec</b> 108	Prep %Rec Limits 90 - 110 Client S Prep %Rec	Type: S <u>RPD</u> 0 Sample I	RPD Limit 20
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446 Analyte	Sample	Sample Qualifier	Spike Added 250	LCSD Result 270.9 MS	Qualifier	Cli		%Rec	Prep %Rec Limits 90 - 110 Client S Prep	Type: S <u>RPD</u> 0 Sample I	RPD Limit 20
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446 Analyte Chloride	S Sample Result 23.4	-	Spike Added 250 Spike Added	LCSD Result 270.9 MS Result	Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec 108	Prep %Rec Limits 90 - 110 Client S Prep %Rec Limits 90 - 110	Type: S <u>RPD</u> 0 Sample I Type: S	RPD Limit 20 D: S-3 coluble
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M	S Sample Result 23.4	-	Spike Added 250 Spike Added	LCSD Result 270.9 MS Result	Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec 108	Prep %Rec Limits 90 - 110 Client S Prep %Rec Limits 90 - 110 Client S	Type: S RPD 0 Sample I Type: S Sample I	RPD Limit 20 D: S-3 coluble
Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid	S Sample Result 23.4	-	Spike Added 250 Spike Added	LCSD Result 270.9 MS Result	Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec 108	Prep %Rec Limits 90 - 110 Client S Prep %Rec Limits 90 - 110 Client S	Type: S <u>RPD</u> 0 Sample I Type: S	RPD Limit 20 D: S-3 coluble
Chloride Lab Sample ID: LCSD 880-493 Matrix: Solid Analysis Batch: 49446 Analyte Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446 Chloride Lab Sample ID: 890-4376-9 M Matrix: Solid Analysis Batch: 49446	IS Sample Result 23.4	-	Spike Added 250 Spike Added	LCSD Result 270.9 MS Result 292.2	Qualifier	Cli Unit mg/Kg Unit	<u>D</u>	%Rec 108	Prep %Rec Limits 90 - 110 Client S Prep %Rec Limits 90 - 110 Client S	Type: S RPD 0 Sample I Type: S Sample I	RPD Limit 20 D: S-3 coluble

0

20

107

90 - 110

Released to Imaging: 4/22/2024 10:17:29 AM

Chloride

23.4

251

292.4

mg/Kg

Client: Talon/LPE

# Job ID: 890-4376-1 SDG: 702520.053.01

Method: 300.0 - Anions, Ion Chromatography (Continued)

_ Lab Sample ID: MB 880-49277/1-A Matrix: Solid	N										(	Client S	ample ID:		
													Prep	Type: S	oluble
Analysis Batch: 49450		мв	MD												
Analyta	в		Qualifier		RL		MDL	Unit		D	Dr	onorod	Anaba	- od	Dil Fac
Analyte Chloride			U		5.00			mg/Kg		<u> </u>	FI	epared	Analy: 03/24/23		DIFAC
	~(	5.585	0		5.00	, c	.595	mg/ng					03/24/23	00.00	
Lab Sample ID: LCS 880-49277/2-	Α									Clie	nt	Sample	ID: Lab C	ontrol S	ample
Matrix: Solid														Type: S	
Analysis Batch: 49450															
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits		
Chloride				250		269.9			mg/Kg			108	90 - 110		
-															
Lab Sample ID: LCSD 880-49277/3	3-A								Cli	ent Sa	am	ple ID: I	ab Contro		
Matrix: Solid													Prep	Type: S	olubl
Analysis Batch: 49450															
				Spike		LCSD							%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limi
Chloride				250		270.7			mg/Kg			108	90 - 110	0	20
Lab Sample ID: 880-26161-A-11-B	MS											Client	Sample ID	: Matrix	Spike
Matrix: Solid														Type: S	
Analysis Batch: 49450														.,,	
	Sample	Sam	ole	Spike		MS	MS						%Rec		
Analyte	Result	Quali	ifier	Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits		
Chloride	14000			5040		18960			mg/Kg			98	90 - 110		
-															
Lab Sample ID: 880-26161-A-11-C	MSD									Client	Sa	mple ID	: Matrix S		
Matrix: Solid													Prep	Type: S	oluble
Analysis Batch: 49450	_														
	Sample			Spike		MSD	MSD				_	~-	%Rec		RPI
Analyte	Result	Quali	ifier	Added		Result	Qual	ifier	Unit	I	D	%Rec	Limits	RPD	Limi
Chloride	14000			5040		18950			mg/Kg			98	90 - 110	0	20

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Client: Talon/LPE Project/Site: Chevron 12 Fed #3 Job ID: 890-4376-1 SDG: 702520.053.01

# **GC VOA**

# Prep Batch: 49653

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 880-49653/5-A	Method Blank	Total/NA	Solid	5035	
Data Databa (0050					

# Prep Batch: 49656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
890-4376-1	S-1	Total/NA	Solid	5035		
890-4376-2	S-1	Total/NA	Solid	5035		
890-4376-3	S-1	Total/NA	Solid	5035		-
890-4376-4	S-2	Total/NA	Solid	5035		8
890-4376-5	S-2	Total/NA	Solid	5035		
890-4376-6	S-2	Total/NA	Solid	5035		g
890-4376-7	S-3	Total/NA	Solid	5035		
890-4376-8	S-3	Total/NA	Solid	5035		
890-4376-9	S-3	Total/NA	Solid	5035		
890-4376-10	S-4	Total/NA	Solid	5035		
890-4376-11	S-4	Total/NA	Solid	5035		
890-4376-12	S-4	Total/NA	Solid	5035		
890-4376-13	S-5	Total/NA	Solid	5035		
890-4376-14	S-5	Total/NA	Solid	5035		
890-4376-15	S-5	Total/NA	Solid	5035		
MB 880-49656/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-49656/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-49656/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
880-26417-A-1-F MS	Matrix Spike	Total/NA	Solid	5035		
880-26417-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035		

# Analysis Batch: 49792

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4376-1	S-1	Total/NA	Solid	8021B	49656
890-4376-2	S-1	Total/NA	Solid	8021B	49656
890-4376-3	S-1	Total/NA	Solid	8021B	49656
890-4376-4	S-2	Total/NA	Solid	8021B	49656
890-4376-5	S-2	Total/NA	Solid	8021B	49656
890-4376-6	S-2	Total/NA	Solid	8021B	49656
890-4376-7	S-3	Total/NA	Solid	8021B	49656
890-4376-8	S-3	Total/NA	Solid	8021B	49656
890-4376-9	S-3	Total/NA	Solid	8021B	49656
890-4376-10	S-4	Total/NA	Solid	8021B	49656
890-4376-11	S-4	Total/NA	Solid	8021B	49656
890-4376-12	S-4	Total/NA	Solid	8021B	49656
890-4376-13	S-5	Total/NA	Solid	8021B	49656
890-4376-14	S-5	Total/NA	Solid	8021B	49656
890-4376-15	S-5	Total/NA	Solid	8021B	49656
MB 880-49653/5-A	Method Blank	Total/NA	Solid	8021B	49653
MB 880-49656/5-A	Method Blank	Total/NA	Solid	8021B	49656
LCS 880-49656/1-A	Lab Control Sample	Total/NA	Solid	8021B	49656
LCSD 880-49656/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49656
880-26417-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	49656
880-26417-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49656

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Client: Talon/LPE Project/Site: Chevron 12 Fed #3

# GC VOA

# Analysis Batch: 49967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4376-1	S-1	Total/NA	Solid	Total BTEX	
890-4376-2	S-1	Total/NA	Solid	Total BTEX	
890-4376-3	S-1	Total/NA	Solid	Total BTEX	
890-4376-4	S-2	Total/NA	Solid	Total BTEX	
890-4376-5	S-2	Total/NA	Solid	Total BTEX	
890-4376-6	S-2	Total/NA	Solid	Total BTEX	
890-4376-7	S-3	Total/NA	Solid	Total BTEX	
890-4376-8	S-3	Total/NA	Solid	Total BTEX	
890-4376-9	S-3	Total/NA	Solid	Total BTEX	
890-4376-10	S-4	Total/NA	Solid	Total BTEX	
890-4376-11	S-4	Total/NA	Solid	Total BTEX	
890-4376-12	S-4	Total/NA	Solid	Total BTEX	
890-4376-13	S-5	Total/NA	Solid	Total BTEX	
390-4376-14	S-5	Total/NA	Solid	Total BTEX	
890-4376-15	S-5	Total/NA	Solid	Total BTEX	

# GC Semi VOA

# Analysis Batch: 49358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4376-1	S-1	Total/NA	Solid	8015B NM	49368
890-4376-2	S-1	Total/NA	Solid	8015B NM	49368
890-4376-3	S-1	Total/NA	Solid	8015B NM	49368
890-4376-4	S-2	Total/NA	Solid	8015B NM	49368
890-4376-5	S-2	Total/NA	Solid	8015B NM	49368
890-4376-6	S-2	Total/NA	Solid	8015B NM	49368
890-4376-7	S-3	Total/NA	Solid	8015B NM	49368
890-4376-8	S-3	Total/NA	Solid	8015B NM	49368
890-4376-9	S-3	Total/NA	Solid	8015B NM	49368
890-4376-10	S-4	Total/NA	Solid	8015B NM	49368
890-4376-11	S-4	Total/NA	Solid	8015B NM	49368
890-4376-12	S-4	Total/NA	Solid	8015B NM	49368
890-4376-13	S-5	Total/NA	Solid	8015B NM	49368
890-4376-14	S-5	Total/NA	Solid	8015B NM	49368
890-4376-15	S-5	Total/NA	Solid	8015B NM	49368
MB 880-49368/1-A	Method Blank	Total/NA	Solid	8015B NM	49368
LCS 880-49368/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49368
LCSD 880-49368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49368
890-4376-1 MS	S-1	Total/NA	Solid	8015B NM	49368
890-4376-1 MSD	S-1	Total/NA	Solid	8015B NM	49368

# Prep Batch: 49368

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4376-1	S-1	Total/NA	Solid	8015NM Prep	
890-4376-2	S-1	Total/NA	Solid	8015NM Prep	
890-4376-3	S-1	Total/NA	Solid	8015NM Prep	
890-4376-4	S-2	Total/NA	Solid	8015NM Prep	
890-4376-5	S-2	Total/NA	Solid	8015NM Prep	
890-4376-6	S-2	Total/NA	Solid	8015NM Prep	
890-4376-7	S-3	Total/NA	Solid	8015NM Prep	
890-4376-8	S-3	Total/NA	Solid	8015NM Prep	

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# Job ID: 890-4376-1 SDG: 702520.053.01

Client: Talon/LPE Project/Site: Chevron 12 Fed #3

# GC Semi VOA (Continued)

# Prep Batch: 49368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4376-9	S-3	Total/NA	Solid	8015NM Prep	
890-4376-10	S-4	Total/NA	Solid	8015NM Prep	
890-4376-11	S-4	Total/NA	Solid	8015NM Prep	
890-4376-12	S-4	Total/NA	Solid	8015NM Prep	
890-4376-13	S-5	Total/NA	Solid	8015NM Prep	
890-4376-14	S-5	Total/NA	Solid	8015NM Prep	
890-4376-15	S-5	Total/NA	Solid	8015NM Prep	
MB 880-49368/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49368/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49368/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4376-1 MS	S-1	Total/NA	Solid	8015NM Prep	
890-4376-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

# Analysis Batch: 49615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4376-1	S-1	Total/NA	Solid	8015 NM	
890-4376-2	S-1	Total/NA	Solid	8015 NM	
890-4376-3	S-1	Total/NA	Solid	8015 NM	
890-4376-4	S-2	Total/NA	Solid	8015 NM	
890-4376-5	S-2	Total/NA	Solid	8015 NM	
890-4376-6	S-2	Total/NA	Solid	8015 NM	
890-4376-7	S-3	Total/NA	Solid	8015 NM	
890-4376-8	S-3	Total/NA	Solid	8015 NM	
890-4376-9	S-3	Total/NA	Solid	8015 NM	
890-4376-10	S-4	Total/NA	Solid	8015 NM	
890-4376-11	S-4	Total/NA	Solid	8015 NM	
890-4376-12	S-4	Total/NA	Solid	8015 NM	
890-4376-13	S-5	Total/NA	Solid	8015 NM	
890-4376-14	S-5	Total/NA	Solid	8015 NM	
890-4376-15	S-5	Total/NA	Solid	8015 NM	

# HPLC/IC

# Leach Batch: 49277

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4376-1	S-1	Soluble	Solid	DI Leach	
890-4376-2	S-1	Soluble	Solid	DI Leach	
890-4376-3	S-1	Soluble	Solid	DI Leach	
890-4376-4	S-2	Soluble	Solid	DI Leach	
890-4376-5	S-2	Soluble	Solid	DI Leach	
890-4376-6	S-2	Soluble	Solid	DI Leach	
MB 880-49277/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49277/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49277/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26161-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-26161-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
Leach Batch: 49278					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch

# Lab Sample ID<br/>890-4376-7Client Sample ID<br/>S-3Prep Type<br/>SolubleMatrix<br/>SolidMethod<br/>DI LeachPrep Batch<br/>Prep Batch890-4376-8S-3SolubleSolubleDI LeachPrep Batch<br/>DI Leach

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# Job ID: 890-4376-1 SDG: 702520.053.01

Client: Talon/LPE Project/Site: Chevron 12 Fed #3

# HPLC/IC (Continued)

# Leach Batch: 49278 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4376-9	S-3	Soluble	Solid	DI Leach	
890-4376-10	S-4	Soluble	Solid	DI Leach	
890-4376-11	S-4	Soluble	Solid	DI Leach	
890-4376-12	S-4	Soluble	Solid	DI Leach	
890-4376-13	S-5	Soluble	Solid	DI Leach	
890-4376-14	S-5	Soluble	Solid	DI Leach	
890-4376-15	S-5	Soluble	Solid	DI Leach	
MB 880-49278/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49278/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49278/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4376-9 MS	S-3	Soluble	Solid	DI Leach	
890-4376-9 MSD	S-3	Soluble	Solid	DI Leach	

# Analysis Batch: 49446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4376-7	S-3	Soluble	Solid	300.0	49278
890-4376-8	S-3	Soluble	Solid	300.0	49278
890-4376-9	S-3	Soluble	Solid	300.0	49278
890-4376-10	S-4	Soluble	Solid	300.0	49278
890-4376-11	S-4	Soluble	Solid	300.0	49278
890-4376-12	S-4	Soluble	Solid	300.0	49278
890-4376-13	S-5	Soluble	Solid	300.0	49278
890-4376-14	S-5	Soluble	Solid	300.0	49278
890-4376-15	S-5	Soluble	Solid	300.0	49278
MB 880-49278/1-A	Method Blank	Soluble	Solid	300.0	49278
LCS 880-49278/2-A	Lab Control Sample	Soluble	Solid	300.0	49278
LCSD 880-49278/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49278
890-4376-9 MS	S-3	Soluble	Solid	300.0	49278
890-4376-9 MSD	S-3	Soluble	Solid	300.0	49278

# Analysis Batch: 49450

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-4376-1	S-1	Soluble	Solid	300.0	49277
890-4376-2	S-1	Soluble	Solid	300.0	49277
890-4376-3	S-1	Soluble	Solid	300.0	49277
890-4376-4	S-2	Soluble	Solid	300.0	49277
890-4376-5	S-2	Soluble	Solid	300.0	49277
890-4376-6	S-2	Soluble	Solid	300.0	49277
MB 880-49277/1-A	Method Blank	Soluble	Solid	300.0	49277
LCS 880-49277/2-A	Lab Control Sample	Soluble	Solid	300.0	49277
LCSD 880-49277/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49277
880-26161-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	49277
880-26161-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	49277

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Job ID: 890-4376-1 SDG: 702520.053.01

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Job ID: 890-4376-1 SDG: 702520.053.01

# Lab Sample ID: 890-4376-1 Matrix: Solid

Lab Sample ID: 890-4376-2

Date Collected: 03/21/23 08:52 Date Received: 03/21/23 12:01

**Client Sample ID: S-1** 

Project/Site: Chevron 12 Fed #3

Client: Talon/LPE

Batch	Batch	Batch	Dil	Initial Final	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 03:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/24/23 21:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:34	SMC	EET MID

# **Client Sample ID: S-1**

Date Collected: 03/21/23 08:57

Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 03:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/24/23 22:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:39	SMC	EET MID

# **Client Sample ID: S-1**

# Date Collected: 03/21/23 09:02 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 03:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/24/23 23:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:44	SMC	EET MID

# **Client Sample ID: S-2** Date Collected: 03/21/23 09:08 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 04:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID

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Matrix: Solid

# Lab Sample ID: 890-4376-3

Lab Sample ID: 890-4376-4

# Matrix: Solid

Matrix: Solid

Released to Imaging: 4/22/2024 10:17:29 AM

Job ID: 890-4376-1 SDG: 702520.053.01

# Lab Sample ID: 890-4376-4 Matrix: Solid

Lab Sample ID: 890-4376-5

Date Collected: 03/21/23 09:08 Date Received: 03/21/23 12:01

**Client Sample ID: S-2** 

Project/Site: Chevron 12 Fed #3

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/24/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:48	SMC	EET MID

Lab Chronicle

# **Client Sample ID: S-2** Date Collected: 03/21/23 09:13 **Date Rece**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 00:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:53	SMC	EET MID

# **Client Sample ID: S-2**

Date Collected: 03/21/23 09:17 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 00:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49277	03/22/23 22:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:58	SMC	EET MID

# **Client Sample ID: S-3** Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 06:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 00:50	SM	EET MID

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# Lab Sample ID: 890-4376-6

Lab Sample ID: 890-4376-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared	
е	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Anal
	Prep	5035			5.01 g	5 mL	49656	03/28/23 15:50	MNF
	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 04:35	MNF
	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM
	Analysis	8015 NM		1			49615	03/27/23 11:15	SM
	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ
	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 00:05	SM
	Leach	DI Leach			4.98 g	50 mL	49277	03/22/23 22:28	KS
	Analysis	300.0		1	50 mL	50 mL	49450	03/24/23 07:53	SMC

# Lab Chronicle

Job ID: 890-4376-1 SDG: 702520.053.01

# Lab Sample ID: 890-4376-7 Matrix: Solid

Lab Sample ID: 890-4376-8

Lab Sample ID: 890-4376-9

Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01

**Client Sample ID: S-3** 

Project/Site: Chevron 12 Fed #3

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 01:17	SMC	EET MID

# **Client Sample ID: S-3**

# Date Collected: 03/21/23 09:29 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 07:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 01:13	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 01:22	SMC	EET MID

# **Client Sample ID: S-3** Date Collected: 03/21/23 09:31 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 07:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 01:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 01:27	SMC	EET MID

# **Client Sample ID: S-4** Date Collected: 03/21/23 09:36 Date Received: 03/21/23 12:01

# Lab Sample ID: 890-4376-10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 07:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 01:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 01:41	SMC	EET MID

**Eurofins Carlsbad** 

Matrix: Solid

Matrix: Solid

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# Released to Imaging: 4/22/2024 10:17:29 AM

Date Collected: 03/21/23 09:16

Date Received: 03/21/23 12:01

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

8015 NM

**Client Sample ID: S-4** 

Client: Talon/LPE

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Initial

Amount

4.97 g

5 mL

10.02 g

1 uL

Dil

1

1

1

1

Factor

Run

Job ID: 890-4376-1 SDG: 702520.053.01

# Lab Sample ID: 890-4376-11

Analyst

MNR

MNR

SM

SM

A.I

SM

Prepared

or Analyzed

03/28/23 15:50

03/30/23 08:07

03/30/23 13:32

03/27/23 11:15

03/24/23 08:47

03/25/23 02:43

Matrix: Solid

Lab

EET MID

EET MID

EET MID

EET MID

EET MID

EET MID

5 9

Lab Sample ID: 890-4376-13

Lab Sample ID: 890-4376-14

Matrix: Solid

	DI Leach		4	4.96 g	50 mL	49278	03/22/23 22:29 03/24/23 01:46	KS	EET MID
	300.0		1	50 mL	50 mL	49446	03/24/23 01.40	SMC	EET MID
							Lab Samp	ole ID: 8	90-4376-12
19									Matrix: Solid
01									
	Batch		Dil	Initial	Final	Batch	Prepared		
	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	5035			4.99 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
	8021B		1	5 mL	5 mL	49792	03/30/23 08:27	MNR	EET MID
	Total DTEV		1			40067	02/20/22 12.22	SM	

Final

Amount

5 mL

5 mL

10 mL

1 uL

Batch

49656

49792

49967

49615

49368

49358

Number

# **Client Sample ID: S-4**

Date Collected: 03/21/23 09:1

Date Received: 03/21/23 12:0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 08:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 03:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 02:01	SMC	EET MID

# **Client Sample ID: S-5**

# Date Collected: 03/21/23 09:22 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 08:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 02:05	SMC	EET MID

# **Client Sample ID: S-5** Date Collected: 03/21/23 09:25 Date Received: 03/21/23 12:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 09:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID

**Eurofins Carlsbad** 

# Released to Imaging: 4/22/2024 10:17:29 AM

Matrix: Solid

Job ID: 890-4376-1 SDG: 702520.053.01

# Lab Sample ID: 890-4376-14 Matrix: Solid

Lab Sample ID: 890-4376-15

Date Collected: 03/21/23 09:25 Date Received: 03/21/23 12:01

**Client Sample ID: S-5** 

Project/Site: Chevron 12 Fed #3

Client: Talon/LPE

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 03:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 02:10	SMC	EET MID

# Client Sample ID: S-5 Date Collected: 03/21/23 09:29 Date Received: 03/21/23 12:01

Batch

# Matrix: Solid Dil Initial Final Batch Prepared un Factor Amount Amount Number or Analyzed Analyst Lab

Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49656	03/28/23 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49792	03/30/23 09:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49967	03/30/23 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			49615	03/27/23 11:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49368	03/24/23 08:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49358	03/25/23 04:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49278	03/22/23 22:29	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49446	03/24/23 02:15	SMC	EET MID

# Laboratory References:

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

Batch

12 13 14

5

9

		Accreditation/Co	ertification Summary		
Client: Talon/LPE Project/Site: Chevron 1	2 Fed #3			Job ID: 890-4376-1 SDG: 702520.053.01	
Laboratory: Eurofi	ns Midland				3
Unless otherwise noted, all a	nalytes for this laboratory	were covered under each acci	reditation/certification below.		-
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-25	06-30-23	E
The following analytes a	are included in this report,	but the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for which	5
the agency does not off					
Analysis Method 8015 NM	Prep Method	Matrix Solid	Analyte Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13
					14

Eurofins Carlsbad

# **Method Summary**

Client: Talon/LPE Project/Site: Chevron 12 Fed #3 Job ID: 890-4376-1 SDG: 702520.053.01

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 Refe	rences:				
ASTM = ASTM International					

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

Eurofins Carlsbad

**Released to Imaging: 4/22/2024 10:17:29 AM** 

# Sample Summary

Client: Talon/LPE Project/Site: Chevron 12 Fed #3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
390-4376-1	S-1	Solid	03/21/23 08:52	03/21/23 12:01	1
390-4376-2	S-1	Solid	03/21/23 08:57	03/21/23 12:01	3
390-4376-3	S-1	Solid	03/21/23 09:02	03/21/23 12:01	4
390-4376-4	S-2	Solid	03/21/23 09:08	03/21/23 12:01	1
390-4376-5	S-2	Solid	03/21/23 09:13	03/21/23 12:01	3
390-4376-6	S-2	Solid	03/21/23 09:17	03/21/23 12:01	4
390-4376-7	S-3	Solid	03/21/23 09:22	03/21/23 12:01	1
390-4376-8	S-3	Solid	03/21/23 09:29	03/21/23 12:01	3
390-4376-9	S-3	Solid	03/21/23 09:31	03/21/23 12:01	4
390-4376-10	S-4	Solid	03/21/23 09:36	03/21/23 12:01	1
390-4376-11	S-4	Solid	03/21/23 09:16	03/21/23 12:01	3
390-4376-12	S-4	Solid	03/21/23 09:19	03/21/23 12:01	4
390-4376-13	S-5	Solid	03/21/23 09:22	03/21/23 12:01	1
390-4376-14	S-5	Solid	03/21/23 09:25	03/21/23 12:01	3
390-4376-15	S-5	Solid	03/21/23 09:29	03/21/23 12:01	4

Job ID: 890-4376-1 SDG: 702520.053.01

> Eurofins Carlsbad 3/30/2023

										TALL NUM (ETEN 200 TEED Codebod NUM (STEN 008 2400		
					110	003, 14141	101010	02 1000	Caroba		www.xenco.com	<sup>5</sup> age 1 of
Project Manager:	Chad Hensley				Bill to: (if different)	ent)					Work Order Comments	omments
	Talon LPE				Company Name	me:				Progra	Program: UST/PST PRP Brownfields RRC	fields 🗌 RRC 🗌 Superfund
	408 W. Texas Ave	ve.			Address:					State	State of Project:	1
te ZIP:	Artesia, NM 88210	210		0	City, State ZIP:	<u>.</u>				Repor	Reporting: Level II 🗌 Level III 🗍 PST/UST 🗍 TRRP 🗌	
	575.746.8768			Email:	Chensley@talonipe.com	talonlp	e.com			Delive	Deliverables: EDD ADaPT	Other:
Project Name:	Chevron 12 Fed #3	12 Fed	1#3	Turn	Turn Around	_	_			ANALYSIS REQUEST		Preservative Codes
Project Number:	70252	702520.053.01		Routine	マRush	Pres. Code	0 5					None: NO DI Water: H <sub>2</sub> O
Project Location:	Eddy County, NM	ounty, N		Due Date:	3/24/2023		_					Cool: Cool MeOH: Me
Sampler's Name:	Chad	Chad Hensley		TAT starts the	day received l	by	_			-		HCL: HC HNO3: HN
PO #	-	N/A		the lab, if rece	the lab, if received by 4:30pm	L						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
SAMPLE RECEIPT	PT Temp Blank:	ank:	Yes	Wet Ice:	Yes (No	nete	_					H <sub>3</sub> PO <sub>4</sub> : HP
Samples Received Intact:	~		Thermometer ID:	F	MGOJ	arar						NaHSO4: NABIS
Cooler Custody Seals:	: Yes No	NA	Correction Factor:	ictor:	0.0	Pa	-		_	890-4376 Chain of C		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ; NaSO <sub>3</sub>
Sample Custody Seals:	Is: Yes No	NIA	Temperature Reading:	Reading:	21.2	<u> </u>				Apolson of the second s		Zn Acetate+NaOH: Zn
Total Containers:			Corrected Lemperature:	mperature:		1	1				-	
Sample Identification	tification	Matrix	Date Sampled	Time Sampled	Depth Grab/ Comp	np Cont	<u>⊒</u> ¥ CL	втех	трн			Sample Comments
S-1		Soil	3/21/2023	8:52	1' Grab/	ab/ 1	×	×	×			
S-1			3/21/2023		3' Grab/	3b/ 1	×	×	×			
S-1		_	3/21/2023		4' Grab/	ab/ 1	×	×	×			
S-2		Soil	3/21/2023	9:08	1' Grab/	ab/ 1	×	×	×			
S-2		Soil	3/21/2023	9:13	3' Grab/	ab/ 1	×	×	×			
S-2			3/21/2023	9:17	4' Grab/	ab/ 1	×	×	×			
S-3		Soil	3/21/2023	9:22	1' Grab/	ab/ 1	×	×	×			
8-3		Sol	3/21/2023	9:29	3' Grab/	ab/ 1	×	×	×			
S-3		Soil	3/21/2023	9:31	4' Grab/	ab/1	×	×	×			
S-4		Soil	3/21/2023	9:36	1' Grab/	ab/ 1	×	×	×			
Total 200.7 / 6010	10 200.8 / 6020:	20:	8R	8RCRA 13PPM	M Texas 11	≥	Sb As	Ba	Be B C	Cd Ca Cr Co Cu Fe Pb Mg M	lo Ni K Se	a Sr TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	nd Metal(s) to be	analyz	red	TCLP / SP	TCLP / SPLP 6010: 8RCRA	RCRA		Sb As Ba Be		Cd Cr Co Cu Pb Mn Mo Ni Se Ag	TIU	Hg: 1631 / 245.1 / 7470 / 7471
votice: Signature of this d if service. Eurofins Xenco f Furofins Xenco A mini-	o will be liable only fo	shment o r the cost	f samples const of samples and polled to each p	itutes a valid pu shall not assun	archase order fr me any respons arge of \$5 for e	om client ibility for ach samp	any loss	ty to Euro es or exp itted to E	ofins Xenc venses inc	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Eurofins Xenco A minimum charrie of \$55 00 will be applied to aach project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	is standard terms and conditions circumstances beyond the control enforced unless previously negotiated.	
Relinguished by: (Signature)	: (Signature)	)	Received	Received by: (Signature)	ture)	-	Date	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	e) Date/Time
an /		$\square$	Ce Ch	6		CU	20.123	23 (2	20 2			
				-		_			4			

eurofins

# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

💸 eurotins		Environ Xenco	Environment Testing Xenco	sting	Ho Ho	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 /idland, TX (432) 704-5440, San Antonio, TX (210) 509-333 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	281) 240-4 2) 704-544 115) 585-3 5) 392-75	i200, Dalla 0, San Antr 443, Lubbo 50, Carlsba	is, TX (214 onio, TX (2 ck, TX (80 id, NM (57	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		Work Order No:	n 0:	<b>9</b>
Project Manager:	Chad Henslev				Bill to: (if different)	rent)						Work Order Comments	Comments	
	Talon LPE				Company Name	ime:					Program	Program: UST/PST ] PRP Brownfields RRC Superfund	vnfields RR(	C Superfund
	408 W. Texas Ave	Ave.			Address:						State of	State of Project:		
City, State ZIP:	Artesia, NM 88210	3210			City, State ZIP:	IP:					Reportir	Reporting: Level II 🗌 Level III 🗍 PST/UST 🗍 TRRP 🗍	ST/UST 🗌 TRF	
Phone:	575.746.8768			Email:		talonipe.c	om				Delivera	Deliverables: EDD ADaF	ADaPT Other:	er:
Project Name:	Chevro	Chevron 12 Fed #3	#3	Turn	Turn Around					ANALYSIS RE	REQUEST		Preserv	Preservative Codes
Project Number:	7025:	702520.053.01	Ξ.	Routine	Rush	Pres. Code				_			None: NO	DI Water: H <sub>2</sub> O
Project Location:	Eddy (	Eddy County, NM		Due Date:	3/24/2023						_		Cool: Cool	MeOH: Me
Sampler's Name:	Chac	Chad Hensley		TAT starts th	TAT starts the day received by	by			-				HCL: HC	HNO3: HN
PO #		NIA		the lab, if rec	the lab, if received by 4:30pm			_	-		_		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT	PT Temp Blank:	3lank:	Yes No	Wet Ice: +	Yes No	nete	-		-		_		H <sub>3</sub> PO <sub>4</sub> : HP	
Samples Received Intact:			Thermometer 10:	đ		aran	_						NaHSO4: NABIS	BIS
Cooler Custody Seals:	Yes	NIA	Correction E	aero -		P	-						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	SO3
Total Containers:	100		Corrected Temperature	emperature:									NaOH+Ascori	NaOH+Ascorbic Acid: SAPC
Sample Identification	tification	Matrix	Date Sampled	Time Sampled	Depth Grab/ Comp	ab/ # of mp Cont	CL BTEX	трн	_				Sample	Sample Comments
S-4		Soil	3/21/2023	9:16	3' Grab/		-							
S-4			3/21/2023	9:19	4' Grab/	ab/ 1	× ×	×						
S-5			3/21/2023	9:22	1' Grab/	ab/ 1	××	×						
S-5		Soil	3/21/2023	9:25	3' Grab/	ab/ 1	××	×	-					
S-5		Soil	3/21/2023	9:29	4' Grab/	ab/ 1	×	×	-					
		T							-					
						Á	No. of Concession, Name							
								1						
Total 200.7 / 6010	)10 200.8 / 6020:	020:	8R	8RCRA 13PPM	PM Texas 11	11 AI Sb	As Ba	Be B	Cd Ca C	Cr Co Cu Fe Pb	Mg Mn	Mg Mn Mo Ni K Se Ag SiO2	Na Sr TI Sn	U V Zn
Circle Method(s) and Metal(s) to be analyzed Notice: Signature of this document and relinquishment of sar of service. Eurofins Xenco will be liable only for the cost of s	nd Metal(s) to b document and reling	e analyz lishment of or the cost	ed f samples cons of samples and	TCLP / SF titutes a valid p d shall not assu	TCLP / SPLP 6010: BRCRA tutes a valid purchase order from client shall not assume any responsibility for a	om client con ibility for any	npany to El losses or e	a Be Co in a be contracted and the second se	bo, its affiliatourred by the	Sb AS Ba Be Cd Cr Co Cu Pb Min Mic company to Eurofins Xenco, its affiliates and subcontractor my losses or expenses incurred by the client if such losses	IVIO INI DE AG IT U ictors. It assigns standard to ses are due to circumstance	erms and s beyond	rig: 15317245.177470 conditions   the control	0 1 141 1
Relinquished by: (Signature)	r: (Signature)		Receive	Received by: (Signature)	ture)		Date/Time	ō	Relinq	Relinquished by: (Signature)	ture)	Received by: (Signature)	ure)	Date/Time
Cur		C	here 1	E D		3	3-21-23	12012						

3/30/2023

# Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 4376 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Job Number: 890-4376-1 SDG Number: 702520.053.01

List Source: Eurofins Carlsbad

Job Number: 890-4376-1 SDG Number: 702520.053.01

List Source: Eurofins Midland

List Creation: 03/22/23 11:06 AM

# Login Sample Receipt Checklist

Client: Talon/LPE

Login Number: 4376 List Number: 2 Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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

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5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Matador Resources, LLC.

Project Name:

Chevron 12 Fed 3

Work Order: E403039

Job Number: 23042-0001

Received: 3/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/8/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 3/8/24

Chad Hensley 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240

Project Name: Chevron 12 Fed 3 Workorder: E403039 Date Received: 3/5/2024 7:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/5/2024 7:00:00AM, under the Project Name: Chevron 12 Fed 3.

The analytical test results summarized in this report with the Project Name: Chevron 12 Fed 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Envirotech Web Address: www.envirotech-inc.com



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# Sample Summary

		sample sum	mary		
Matador Resources, LLC.		Project Name:	Chevron 12 Fed 3		Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	23042-0001		Reporteu.
Dallas TX, 75240		Project Manager:	Chad Hensley		03/08/24 14:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C-1 16'	E403039-01A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
C-2 16'	E403039-02A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
C-3 16'	E403039-03A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
SW- 1	E403039-04A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W-2	E403039-05A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
SW- 3	E403039-06A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W- 4	E403039-07A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
SW- 5	E403039-08A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W- 6	E403039-09A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W- 7	E403039-10A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W- 8	E403039-11A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.
W- 9	E403039-12A	Soil	02/26/24	03/05/24	Glass Jar, 2 oz.



		ampic D	utu			
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500	Project Name: Project Numbe	er: 2304	vron 12 Fed 3 42-0001			Reported:
Dallas TX, 75240	Project Manag	ger: Cha	d Hensley			3/8/2024 2:21:52PM
		C-1 16'				
		E403039-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2410049
Benzene	ND	0.0250	1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250	1	03/05/24	03/08/24	
Toluene	ND	0.0250	1	03/05/24	03/08/24	
o-Xylene	ND	0.0250	1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500	1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250	1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: KM		Batch: 2410067
Diesel Range Organics (C10-C28)	25.2	25.0	1	03/06/24	03/07/24	
Dil Range Organics (C28-C36)	51.0	50.0	1	03/06/24	03/07/24	
Surrogate: n-Nonane		90.6 %	50-200	03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2410057
Chloride	100	20.0	1	03/05/24	03/06/24	

# Sample Data

	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name Project Numb Project Mana	ber: 2304	vron 12 Fe 42-0001 d Hensley	d 3			<b>Reported:</b> 3/8/2024 2:21:52PM
		C-2 16'					
		E403039-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
o-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		90.2 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2410057
Chloride	100	20.0		1	03/05/24	03/06/24	



	S	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numb Project Manag	er: 2304	Chevron 12 Fed 3 23042-0001 Chad Hensley				<b>Reported:</b> 3/8/2024 2:21:52PM
		C-3 16'					
		E403039-03					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/07/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/07/24	
Toluene	ND	0.0250		1	03/05/24	03/07/24	
p-Xylene	ND	0.0250		1	03/05/24	03/07/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/07/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130		03/05/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.8 %	70-130		03/05/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	25.2	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	53.8	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		90.1 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2410057
Chloride	96.7	20.0		1	03/05/24	03/06/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2304	vron 12 Feo 42-0001 d Hensley	13			<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 1					
		E403039-04					
		Reporting					
Analyte	Result	Limit	Dilı	ition	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2410067
Diesel Range Organics (C10-C28)	27.4	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	55.9	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		91.3 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	101	20.0		1	03/05/24	03/06/24	

	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	umber: 23042-0001					<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 2					
		E403039-05					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2410067
Diesel Range Organics (C10-C28)	29.4	25.0		1	03/06/24	03/07/24	
Dil Range Organics (C28-C36)	50.1	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		90.0 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	114	20.0		1	03/05/24	03/06/24	

	S	Sample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Chevron 12 FProject Number:23042-0001Project Manager:Chad Hensley			3			<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 3					
		E403039-06					
		Reporting					
Analyte	Result	Limit	Dilut	tion Prej	pared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250	1	03/0	)5/24	03/08/24	
Ethylbenzene	ND	0.0250	1	03/0	)5/24	03/08/24	
Toluene	ND	0.0250	1	03/0	)5/24	03/08/24	
o-Xylene	ND	0.0250	1	03/0	05/24	03/08/24	
p,m-Xylene	ND	0.0500	1	03/0	05/24	03/08/24	
Total Xylenes	ND	0.0250	1	03/0	)5/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	03/0	)5/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/0	)5/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	03/0	)5/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM			Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/0	06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/0	06/24	03/07/24	
Surrogate: n-Nonane		86.6 %	50-200	03/0	06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: WF			Batch: 2410057
Chloride	101	20.0	1	03/0	)5/24	03/06/24	

	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Chevron 12 Fed 3Project Number:23042-0001Project Manager:Chad Hensley					<b>Reported:</b> 3/8/2024 2:21:52PM	
		SW- 4					
		E403039-07					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250	1	1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
o-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		87.9 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	99.2	20.0		1	03/05/24	03/06/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name:Chevron 12 FedProject Number:23042-0001Project Manager:Chad Hensley			d 3			<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 5					
		E403039-08					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	ND	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		89.6 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	WF		Batch: 2410057
Chloride	103	20.0		1	03/05/24	03/06/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2304					<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 6					
		E403039-09					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/06/24	03/07/24	
Dil Range Organics (C28-C36)	51.5	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		87.4 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	103	20.0		1	03/05/24	03/06/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Numbe	Project Name:Chevron 12 Fed 3Project Number:23042-0001Project Manager:Chad Hensley				<b>Reported:</b> 3/8/2024 2:21:52PM	
		SW- 7					
		E403039-10					
		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	25.1	25.0		1	03/06/24	03/07/24	
Dil Range Organics (C28-C36)	53.5	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		89.8 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	99.1	20.0		1	03/05/24	03/06/24	
	Sa	ample D	ata				
---	---	------------	-------------------------------------	-------------	----------	----------	--
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbe Project Manag	er: 2304	vron 12 Fed 42-0001 d Hensley	13			<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 8					
		E403039-11					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2410049
Benzene	ND	0.0250	1		03/05/24	03/08/24	
Ethylbenzene	ND	0.0250	1		03/05/24	03/08/24	
Toluene	ND	0.0250	1		03/05/24	03/08/24	
o-Xylene	ND	0.0250	1		03/05/24	03/08/24	
o,m-Xylene	ND	0.0500	1		03/05/24	03/08/24	
Total Xylenes	ND	0.0250	1		03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	.s		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KN	4		Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0	1		03/06/24	03/07/24	
Oil Range Organics (C28-C36)	51.1	50.0	1		03/06/24	03/07/24	
Surrogate: n-Nonane		91.7 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: Wl	7		Batch: 2410057
Chloride	103	20.0	1		03/05/24	03/06/24	



	Sa	ample D	ata				
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500 Dallas TX, 75240	Project Name: Project Numbo Project Manag	er: 2304	vron 12 Fe 42-0001 d Hensley	d 3			<b>Reported:</b> 3/8/2024 2:21:52PM
		SW- 9					
		E403039-12					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst	RKS		Batch: 2410049
Benzene	ND	0.0250		1	03/05/24	03/08/24	
Ethylbenzene	ND	0.0250		1	03/05/24	03/08/24	
Toluene	ND	0.0250		1	03/05/24	03/08/24	
p-Xylene	ND	0.0250		1	03/05/24	03/08/24	
o,m-Xylene	ND	0.0500		1	03/05/24	03/08/24	
Total Xylenes	ND	0.0250		1	03/05/24	03/08/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2410049
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/05/24	03/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130		03/05/24	03/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2410067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/06/24	03/07/24	
Oil Range Organics (C28-C36)	52.5	50.0		1	03/06/24	03/07/24	
Surrogate: n-Nonane		90.8 %	50-200		03/06/24	03/07/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	WF		Batch: 2410057
Chloride	103	20.0		1	03/05/24	03/06/24	



# QC Summary Data

	_		•					
	Project Name:	Ch	nevron 12 Fed	13				Reported:
	Project Number:	23	042-0001					
	Project Manager:	Ch	nad Hensley					3/8/2024 2:21:52PM
	Volatile Or	rganics b	oy EPA 802	21B				Analyst: RKS
	Reporting	Spike	Source		Rec	DDD	RPD	
								Notes
						Prepared: 0	3/05/24 A	Analyzed: 03/07/24
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.54		8.00		94.3	70-130			
						Prepared: 0	3/05/24 A	Analyzed: 03/07/24
4.80	0.0250	5.00		96.0	70-130			
4.78	0.0250	5.00		95.6	70-130			
4.79	0.0250	5.00		95.8	70-130			
4.73	0.0250	5.00		94.5	70-130			
9.66	0.0500	10.0		96.6	70-130			
14.4	0.0250	15.0		95.9	70-130			
7.58		8.00		94.7	70-130			
			Source:	E403039-	03	Prepared: 0	3/05/24 A	Analyzed: 03/07/24
3.95	0.0250	5.00	ND	78.9	54-133			
3.90	0.0250	5.00	ND	78.0	61-133			
3.92	0.0250	5.00	ND	78.3	61-130			
3.87	0.0250	5.00	ND	77.3	63-131			
7.87	0.0500	10.0	ND	78.7	63-131			
11.7	0.0250	15.0	ND	78.2	63-131			
7.51		8.00		93.9	70-130			
			Source:	E403039-	03	Prepared: 0	3/05/24 A	Analyzed: 03/07/24
4.45	0.0250	5.00	ND	88.9	54-133	11.9	20	
4.40	0.0250	5.00	ND	88.0	61-133	12.1	20	
4.41	0.0250	5.00	ND	88.3	61-130	12.0	20	
4.36	0.0250	5.00	ND	87.1	63-131	11.9	20	
8.87	0.0500	10.0	ND	88.7	63-131	11.9	20	
	ND ND ND ND 7.54 4.80 4.78 4.79 4.73 9.66 14.4 7.58 3.95 3.90 3.92 3.87 7.87 11.7 7.51 4.45 4.40 4.41	And State         Anager:           Volatile Or         Volatile Or           Result         Limit           mg/kg         mg/kg           ND         0.0250           7.54	Project Number:         23 Project Manager:         23 Cl           Volatile Organics t           Result mg/kg         Reporting Limit mg/kg         Spike Level mg/kg           ND         0.0250           Solo         5.00           4.78         0.0250           9.66         0.00500           10.0         14.4           0.0250         5.00           3.95         0.0250         5.00           3.92         0.0250         5.00           3.87         0.0250         5.00           7.51         8.00           11.7	Project Number: Project Manager:         23042-0001 Chad Hensley           Volatile Organics by EPA 802           Result mg/kg         Reporting Limit         Spike Level         Source Result           MD         0.0250         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg           4.80         0.0250         5.00         mg/kg           4.80         0.0250         5.00         mg/kg           4.80         0.0250         5.00         mg/kg           4.80         0.0250         5.00         mg/kg           3.95         0.0250         5.00         mg/kg           3.95         0.0250         5.00 <t< td=""><td>Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting Ulimit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         94.3           7.54         8.00         94.3           4.80         0.0250         5.00         95.6           4.73         0.0250         5.00         95.8           4.73         0.0250         5.00         95.8           4.73         0.0250         5.00         94.5           9.66         0.0500         10.0         96.6           14.4         0.0250         5.00         94.7           50.66         0.0500         10.0         96.7           7.58         8.00         94.7         8.00           3.95         0.0250         5.00         ND         7.8           3.95         0.0250&lt;</td><td>Project Number:         23042-0001           Project Manager:         Chad Hensley           Volatile Organics by EPA 8021B         Rec         Rec           Result         Reporting         Spike         Source         Rec         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         station         station         %         %         %           ND         0.0250         station         station         %         %         %           4.80         0.0250         station         94.3         70-130           4.73         0.0250         5.00         95.6         70-130           4.73         0.0250         5.00         95.8         70-130           4.73         0.0250         5.00         94.3         70-130           4.73         0.0250         5.00         95.8         70-130           9.66         0.0500         10.0         96.6         70-130           9.66         0.0500         10.0         96.6         70-130</td><td>Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Limits         Rec Mp/s         Rep %         RPD %           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg         Prepared: 0           ND         0.0250              ND         0.0250           Prepared: 0           4.80         0.0250         5.00         96.6         70-130           4.73         0.0250         5.00         94.5         70-130           4.73         0.0250         5.00         94.7         70-130           7.58         8.00         94.7         70-130         Prepared: 0           7.58         8.00         94.7         70-130         Prepared: 0           <td< td=""><td>Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source mg/kg         Rec %         Rec %         RPD %         RPD %         RPD %         RPD %           ND         0.0250         mg/kg         mg/kg         %</td></td<></td></t<>	Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting Ulimit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         94.3           7.54         8.00         94.3           4.80         0.0250         5.00         95.6           4.73         0.0250         5.00         95.8           4.73         0.0250         5.00         95.8           4.73         0.0250         5.00         94.5           9.66         0.0500         10.0         96.6           14.4         0.0250         5.00         94.7           50.66         0.0500         10.0         96.7           7.58         8.00         94.7         8.00           3.95         0.0250         5.00         ND         7.8           3.95         0.0250<	Project Number:         23042-0001           Project Manager:         Chad Hensley           Volatile Organics by EPA 8021B         Rec         Rec           Result         Reporting         Spike         Source         Rec         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         %         %         %           ND         0.0250         station         station         %         %         %           ND         0.0250         station         station         %         %         %           4.80         0.0250         station         94.3         70-130           4.73         0.0250         5.00         95.6         70-130           4.73         0.0250         5.00         95.8         70-130           4.73         0.0250         5.00         94.3         70-130           4.73         0.0250         5.00         95.8         70-130           9.66         0.0500         10.0         96.6         70-130           9.66         0.0500         10.0         96.6         70-130	Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Limits         Rec Mp/s         Rep %         RPD %           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg         Prepared: 0           ND         0.0250              ND         0.0250           Prepared: 0           4.80         0.0250         5.00         96.6         70-130           4.73         0.0250         5.00         94.5         70-130           4.73         0.0250         5.00         94.7         70-130           7.58         8.00         94.7         70-130         Prepared: 0           7.58         8.00         94.7         70-130         Prepared: 0 <td< td=""><td>Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source mg/kg         Rec %         Rec %         RPD %         RPD %         RPD %         RPD %           ND         0.0250         mg/kg         mg/kg         %</td></td<>	Project Number:         23042-0001 Chad Hensley           Volatile Organics by EPA 8021B           Result         Reporting mg/kg         Spike mg/kg         Source mg/kg         Rec %         Rec %         RPD %         RPD %         RPD %         RPD %           ND         0.0250         mg/kg         mg/kg         %



## **QC Summary Data**

		$\mathbf{v} \mathbf{v} \mathbf{v}$		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:		Chevron 12 Fed 3 23042-0001					Reported:
Dallas TX, 75240		Project Manager:	(	Chad Hensley					3/8/2024 2:21:52PM
	No	nhalogenated C	Organics	s by EPA 8015	5 <b>D - G</b>	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410049-BLK1)							Prepared: 0	3/05/24 A	analyzed: 03/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
LCS (2410049-BS2)							Prepared: 0	3/05/24 A	analyzed: 03/07/24
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			
Matrix Spike (2410049-MS2)				Source: E	403039-	03	Prepared: 0	3/05/24 A	analyzed: 03/07/24
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			
Matrix Spike Dup (2410049-MSD2)				Source: E	403039-	03	Prepared: 0	3/05/24 A	analyzed: 03/08/24
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.9	70-130	16.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			



## **QC Summary Data**

		$\chi \cup \gamma$		ary Data					
Matador Resources, LLC. 5400 LBJ Freeway, Suite 1500		Project Name: Project Number:	-	Chevron 12 Fed 3 23042-0001					Reported:
Dallas TX, 75240		Project Manager:	(	Chad Hensley					3/8/2024 2:21:52PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410067-BLK1)							Prepared: 0	3/06/24 A	Analyzed: 03/07/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			
LCS (2410067-BS1)							Prepared: 0	3/06/24 A	Analyzed: 03/07/24
Diesel Range Organics (C10-C28)	242	25.0	250		97.0	38-132			
Surrogate: n-Nonane	45.8		50.0		91.5	50-200			
Matrix Spike (2410067-MS1)				Source: E	403039-	01	Prepared: 0	3/06/24 A	Analyzed: 03/07/24
Diesel Range Organics (C10-C28)	250	25.0	250	25.2	89.9	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			
Matrix Spike Dup (2410067-MSD1)				Source: E	403039-	01	Prepared: 0	3/06/24 A	Analyzed: 03/07/24
Diesel Range Organics (C10-C28)	269	25.0	250	25.2	97.6	38-132	7.47	20	
Surrogate: n-Nonane	47.0		50.0		93.9	50-200			



## **QC Summary Data**

				J					
Matador Resources, LLC.		Project Name:	(	Chevron 12 Fed 3	3				Reported:
5400 LBJ Freeway, Suite 1500		Project Number:	-	23042-0001					•
Dallas TX, 75240		Project Manager:	: (	Chad Hensley					3/8/2024 2:21:52PM
		Anions	by EPA	300.0/9056A					Analyst: WF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410057-BLK1)							Prepared: 0	3/05/24 A	nalyzed: 03/06/24
Chloride	ND	20.0							
LCS (2410057-BS1)							Prepared: 0	3/05/24 A	nalyzed: 03/06/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2410057-MS1)				Source: E	403039-	05	Prepared: 0	3/05/24 A	nalyzed: 03/06/24
Chloride	367	20.0	250	114	101	80-120			
Matrix Spike Dup (2410057-MSD1)				Source: E	403039-	05	Prepared: 0	3/05/24 A	nalyzed: 03/06/24
Chloride	370	20.0	250	114	102	80-120	0.662	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## **Definitions and Notes**

_		2 cmmerom		
ſ	Matador Resources, LLC.	Project Name:	Chevron 12 Fed 3	
I	5400 LBJ Freeway, Suite 1500	Project Number:	23042-0001	Reported:
	Dallas TX, 75240	Project Manager:	Chad Hensley	03/08/24 14:21

ND	Analyte NOT DETECTED at or above the reporting limit
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- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Released 1

Page <u>**1**</u> of <u>2</u>

Received by OCD: 4/17/2024 2:13:20 PM

Client:	Chauran	12 50	darel 2	aybaw	<u></u>			Talan	Bill To									3042				TA		EPA P	rogram
	Chevron					2 C C C C C C C C C C C C C C C C C C C	ention:	Talon				Lab	wo#	5	00	Job	Num	ber 2-00	P 1	LD :	2D	3D	Standard	CWA	SDW
rojecti	Manager: 408 W.	<u>C.He</u>	nsley				lress:		And the second second			E	10:	50:									X	1992	
				0		and the second se	, State	, Zip		-	-		-	_		Analy	/sis ar	nd Met	hod						RCR
	te, Zip Ar		IM 8821	0		Pho			and the second				yd C	8 OI											
	575-746-8					Ema	ail:	-			1		ORC											State	
	chensley@	talonip	e.com									12	RO/	21	0	0	0.0			MN		¥	NM CC	UT AZ	TX
leport d	T										Agen		0/0	y 80	826	601	e 30					10	X		
Time Sampled	Date Sampled	Matr		lo. of ntainers	Sample ID						Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC		GDOC	b	Remarks	5
1103	2/26/24	soil		1	C-1 16'					(år	1		x	x	1		x						-		
1109				1	C-2 16'						2	2	x	x			x								
1116				1	C-3 16'						3		x	x			x								
1123				1	SW-1						4		x	x			x								
1126		B		1	SW-2						5		x	x			x								
1130			33	1	SW-3						6		x	x			x								
1135				1	SW-4						7		x	x		-	x								
1139			0	1	SW-5						8		x	x			x								
1145				1	SW-6			-			q		x	x			x								
1148			-	1	SW-7						10		x	x			x								
	al Instru																								
ate or time	e of collection	n is consid			city of this sample. I hay be grounds for lea			Sample	ed by: C	ally mislabell	Hensly	locati	ion,										ived on ice the day °C on subsequent o	6 A	led or rece
Ch	ed by: (Sigr			Date 3/	4/27 Time	0	mi	ed by: (Sign	e thei	ugh	Date 3-4-2	4	Time	500	>	Rece	eived	on ice	e:		b Us / N	e Onl	y		
Mac	ed by: (Sigr	(Gu	h	Date 3-		30	1. An	ediby: (Sign	MS		Date 3.4	.24	Time	30	>	<u>T1</u>			_ <u>T</u>	2			<u>T3</u>		
eling ish	ed by: (Sigr	hature)	<u> </u>	Date	4.24 22	30	Receive	d by: (Sign	nature)		Date 3-5-	24	Time	100		AVG	Tem	p°C_	4						
					queous, <b>O</b> - Other						Container	Тур	e: g - g	glass,	p - pc	oly/pl	astic,	ag - ar	nber	glass	5, V - '	VOA			
lote: Sam	ples are dis	carded 3	30 days a	fter res	sults are reported u	unless othe	er arrang	gements are	e made. I	Hazardous	amples will	be re	turned	to cli	ent or	dispo	sed of	at the	client	expe	nse.	The re	port for the ar	alysis of the	above
amples is	applicable	only to t	hose san	nples re	eceived by the labo	oratory wit	h this CC	C. The liab	oility of the	e laborator	is limited to	the a	amoun	t paid	for or	h the r	eport								

<b>Project Information</b>	1
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### Chain of Custody

Received by OCD: 4/17/2024 2:13:20 PM

	Chovron			V		Bill To Talon LPE			A STATE		ab U			3042-1				TAT		EPA P	rogram
	Chevron					crition.		Lab	WO#	#	-	Job	Num	ber	11	D 2	2D 3	D S	Standard	CWA	SDWA
vidence	Manager: 408 W.	C.Hensl	ey			dress:		E	403	303	57								X		
	te, Zip Arte				and the second second	y, State, Zip		-		-		Analy	ysis a	nd Meth	od						RCRA
	575-746-87		50210		and the second sec	one:			(q O)											<u>.</u>	
	chensley@t		m		Em	ail:			0/OR							_			NINAL CO.	State	
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Time	Date		No. of	1			Lab		3RO/	by 8	oy 82	ls 60	ide		2						
Sampled	Sampled	Matrix	Containers	Sample ID			Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC		enor		Remarks	
1152	2/26/24	soil	1	SW-8			11	1	x	×		2	x								
1158	2/26/24	soil	1	SW-9			12		x	x			x	-							
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ddition	al Instruc	tions	L																		
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te or time	of collection	is considere		nay be grounds fo		Sampled by: Chad	Hensing	locat	-			a service and the service of the ser				ove 0 b	out less th	nan 6 °C	ed on ice the day t on subsequent da		led or receiv
N	ed by: (Signa ed by: (Signa			4/24	1500	Received by: (Signature)	34-2	4	-	201	D	Rece	eivec	l on ice	. 1	Lab	Use ( / N	Only			
Mil	ed by: (Signa ed by: (Signa	up	Jate J-C	124	1530 ne	Received by: (Signature)	Date 3.4	.24	Time 16	30	2	<u>T1</u>			T	2			<u>T3</u>		
Indi	rew v	MSSo	3	.4.24	2230	Réceived by: (Signature)	3-5-	-24	01	100		AVG	i Ten	np °C	4						
				queous, <b>O</b> - Othe			Container	. Тур	e: g - g	glass,	<b>p</b> - p	oly/pl	lastic,	ag - am	ber g	glass,	, v - VC	AC			
ote: Sam imples is	ples are disc applicable o	arded 30 d nlv to thos	ays after re: e samples re	sults are report eceived by the	ed unless oth laboratory wi	her arrangements are made. Hazardo th this COC. The liability of the labora	ous samples will tory is limited to	be re	turned	d to cli	ient o	or dispo	osed o	f at the c	lient e	expen	ise. Th	ne repo	ort for the ana	lysis of the	above
				and an	- solution y w	see the abbility of the labora	tory is infined to	, the	anoul	ic paid								_	ot		

### **Envirotech Analytical Laboratory**

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Client:	Matador Resources, LLC.	Date Received:	03/05/24	07:00	Work Order ID:	E403039
Phone:	(972) 371-5200	Date Logged In:	03/05/24	07:41	Logged In By:	Angelina Pineda
Email:		Due Date:	03/11/24	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Ycs			
2. Does	the number of samples per sampling site location mate	h the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion	the field, a.	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· -					
	sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
•	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	.e., 6°±2°C received w/i 15	Yes			
13. If no	visible ice, record the temperature. Actual sample t	temperature: <u>4°</u>	<u>'C</u>			
Sample	Container					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
IJ. Are						
	e head space less than 6-8 mm (pea sized or less)?		NA			
16. Is th	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA			
16. Is th 17. Was	-					
16. Is th 17. Was 18. Are	a trip blank (TB) included for VOC analyses?		NA			
16. Is th 17. Was 18. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contained		NA Yes			
<ol> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample contained	ers collected?	NA Yes Yes			
<ol> <li>16. Is the</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent the left sample labels filled out with the minimum infor Sample ID?	ers collected?	NA Yes Yes			
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<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field Ls</li> <li>20. Were</li> <li>Sample</li> <li>21. Doct</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent <u>abel</u> e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre-	ers collected? mation:	NA Yes Yes Yes			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Does</li> <li>22. Are</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved?	ers collected? mation: eserved?	NA Yes Yes Yes Yes No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Does</li> <li>22. Are</li> <li>24. Is la</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers? the field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved models.	ers collected? mation: eserved?	NA Yes Yes Yes Yes No NA			
16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 21. Doe 22. Are 24. Is la Multiph	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me- nase Sample Matrix.	ers collected? mation: eserved? etals?	NA Yes Yes Yes Yes No NA No			
16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 21. Doe: 22. Are 24. Is la Multiph 26. Doe:	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers? to bel	ers collected? mation: eserved? etals? e?	NA Yes Yes Yes Yes No NA No			
<ol> <li>Is the</li> <li>Is the</li> <li>Is the</li> <li>Field La</li> <li>Is the</li> <li>Field La</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>December 21</li> <li>December 22</li> <li>Are</li> <li>Are</li> <li>Is lai</li> <li>Multiph</li> <li>December 26</li> <li>December 27</li> <li>If yet</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me- tages <u>Sample Matrix</u> s the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analys	ers collected? mation: eserved? etals? e?	NA Yes Yes Yes Yes No NA No			
<ol> <li>Is the</li> <li>Is the</li> <li>Is the</li> <li>Field La</li> <li>Is the</li> <li>Field La</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Were</li> <li>Does</li> <li>Are</li> <li>Is la</li> <li>Multiph</li> <li>Constant</li> <li>Type</li> <li>Subcome</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> is the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me- tase <u>Sample Matrix</u> is the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analyze tract Laboratory.	ers collected? mation: eserved? etals? e? zed?	NA Yes Yes Yes Yes No NA No No			
16. Is th 17. Was 18. Are 19. Is the Field La 20. Were 20. Were 21. Doc 22. Are 24. Is la <u>Multiph</u> 26. Doc 27. If ye <u>Subcom</u> 28. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? b filteration required and/or requested for dissolved me- tages <u>Sample Matrix</u> s the sample have more than one phase, i.e., multiphas s, does the COC specify which phase(s) is to be analys	ers collected? mation: eserved? etals? e? zed? y?	NA Yes Yes Yes Yes No NA No	Subcontract Lab: NA		

Signature of client authorizing changes to the COC or sample disposition.

Date

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envirotech Inc.

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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 334539

QUESTIONS	
Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	334539
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nSAP0230537626
Incident Name	NSAP0230537626 CHEVRON 12 FEDERAL #003 @ 30-025-30601
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-30601] CHEVRON 12 FEDERAL #003

#### Location of Release Source

Please answer all the questions in this group.	
Site Name	CHEVRON 12 FEDERAL #003
Date Release Discovered	10/16/2002
Surface Owner	Federal

#### Incident Details

Please answer all the questions in this group.
Incident Type
Did this release result in a fire or is the result of a fire

....

	Did this release result in a fire or is the result of a fire	Νο
I	Did this release result in any injuries	No
	Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο
ſ	Has this release endangered or does it have a reasonable probability of endangering public health	Νο
ſ	Has this release substantially damaged or will it substantially damage property or the environment	Νο
ſ	Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Νο

Oil Release

#### 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	Cause: Equipment Failure     Crude Oil   Released: 65 BBL   Recovered: 6 BBL   Lost: 59 BBL.
Produced Water Released (bbls) Details	Not answered.
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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## **State of New Mexico** Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 2

Action 334539

QUESTIONS (continued)	
Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	334539
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
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.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of 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: Michael Lee Title: COO Email: michael@raybawoperating.com

Date: 04/17/2024

District I

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

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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, Page 3

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Action 334539

QUESTIONS	(continued)

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	334539
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Greater than 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	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Νο	

#### Remediation Plan

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. Requesting a remediation plan approval with this submission Yes 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. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 2280 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 177.2 GRO+DRO (EPA SW-846 Method 8015M) 102 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 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. On what estimated date will the remediation commence 10/06/2023 On what date will (or did) the final sampling or liner inspection occur 02/26/2024 On what date will (or was) the remediation complete(d) 10/22/2023 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 400 What is the estimated volume (in cubic yards) that will be remediated 237 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 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

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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, Page 4

Action 334539

QUESTIONS (continued)	
Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	334539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Remediation Plan (continued)	
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.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site 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 on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	snowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface it does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Michael Lee Title: COO Email: michael@raybawoperating.com Date: 04/17/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in according significantly deviate from the remediation plan proposed, then it should consult with the division to d	ordance with the physical realities encountered during remediation. If the responsible party has any need to etermine if another remediation plan submission is required.

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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

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Action 334539

QUESTIONS (continued)	
Operator: RAYBAW Operating, LLC	OGRID: 330220
2626 Cole Avenue Dallas, TX 75204	Action Number: 334539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

#### Deferral Requests Only

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.
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

District III

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

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

QUESTIONS, Page 6

Action 334539

QUESTIONS (continued)		
Operator:	OGRID:	
RAYBAW Operating, LLC	330220	
2626 Cole Avenue	Action Number:	
Dallas, TX 75204	334539	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	316572
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/26/2024
What was the (estimated) number of samples that were to be gathered	12
What was the sampling surface area in square feet	416

**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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	400
What was the total volume (cubic yards) remediated	237
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No additional remediation activities required.
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for relea- the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.

hereby agree and sign off to the above statement	Name: Michael Lee
I hereby agree and sign off to the above statement	Title: COO
	Email: michael@raybawoperating.com
	Date: 04/17/2024

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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

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QUESTIONS, Page 7

Action 334539

QUESTIONS (continued)	
Operator: RAYBAW Operating, LLC	OGRID: 330220
2626 Cole Avenue Dallas, TX 75204	Action Number: 334539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Reclamation Report	

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission No

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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 334539

CONDITIONS Operator: OGRID: RAYBAW Operating, LLC 330220 2626 Cole Avenue Action Number: Dallas, TX 75204 334539 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Closure Report Approved. A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	4/22/2024
crystal.walker	The reclamation report will need to include: 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; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; 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 maintain those areas to 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.	4/22/2024