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Chevron Environmental Management Company

Remediation Summary and Soil Closure Request Report

Jal Landfarm, Permit NM-02-0012

Centralized Surface Waste Management Facility

Lea County, New Mexico

March 10, 2025

Remediation Summary and Soil Closure Request Report

Jal Landfarm, Permit NM-02-0012
Centralized Surface Waste Management Facility
Lea County, New Mexico

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Acronyms and Abbreviations

Arcadis	Arcadis U.S., Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CEMC	Chevron Environmental Management Company
Closure Report	Remediation Summary and Soil Closure Request Report
DRO	diesel range organics
GRO	gasoline range organics
mg/kg	milligram per kilogram
NMAC	New Mexico Administrative Code
NMOCD	New Mexico Oil Conservation Division
ORO	oil range organics
Site	Jal Landfarm, located in Lea County, New Mexico
TPH	total petroleum hydrocarbons
USEPA	United States Environmental Protection Agency
Work Plan	Site Characterization and Soil Remediation Work Plan

1 Introduction

On behalf of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis) prepared this Remediation Summary and Soil Closure Request Report (Closure Report) for the Jal Landfarm, a centralized surface waste management facility (permit NM-02-0012), located in Lea County, New Mexico (Site; Figure 1).

On August 2, 1999, the New Mexico Oil Conservation Division (NMOCD) issued Texaco Exploration and Production, Inc. (a legacy company of Chevron North America Exploration & Production Company) permit NM-02-0012, under Rule 711, to construct and operate a surface waste management facility (NMOCD 1999). The permit was subsequently amended on March 26, 2003, and April 1, 2004 (NMOCD 2003a, 2004). On February 14, 2007, Rule 711 was repealed and replaced by 19.15.36 New Mexico Administrative Code (NMAC; February 14, 2007, as amended through June 30, 2016), commonly referred to as Part 36. On December 24, 2020, the NMOCD approved a minor permit modification request that permitted future site activities to be conducted in accordance with Part 36 requirements in lieu of the requirements of provision 19.15.36.20 of Part 36 (NMOCD 2020). Since 2021, the Site has been operated in accordance with the requirements specified in permit NM-02-0012 and Part 36.

Under Part 36, semiannual vadose zone monitoring is performed at the Site to determine whether a release has occurred in the vadose zone. Analytical results of vadose zone monitoring indicated minor impacts of total petroleum hydrocarbons (TPH) and chloride to the vadose zone. In response, CEMC submitted an Initial Form C-141 (i.e., Release Notification Form) to the NMOCD on April 21, 2021, to notify the division of the release in accordance with 19.15.29 NMAC. The NMOCD approved the Release Notification Form on May 18, 2021, and assigned the Site incident number NAPP2113741693. The initial and final C-141 Forms are provided in Appendix A. On November 13, 2024, CEMC submitted a Site Characterization and Soil Remediation Work Plan (Work Plan) for the Site, which provides a site assessment and characterization and describes the remediation plan to address TPH impacts (Arcadis 2024). The NMOCD approved the Work Plan on November 19, 2024 (NMOCD 2024), and remediation activities were performed from January 27 through February 10, 2025. This Closure Report provides a summary of remediation activities completed at the Site and provides documentation of the excavation areas and confirmation sample results. CEMC requested an extension for submittal of the Closure Report, which NMOCD approved on February 17, 2025; the extension request approval is provided in Appendix B.

2 Site Description and Background

The Site is located approximately 4.5 miles northwest of Jal, New Mexico (western half of Section 17, Township 24 south, Range 36 east) north of Cooper Cemetery Road (Figure 1). The Site is located within the Tertiary-age Ogallala Formation, which comprises fluvial sand, silt, clay, and localized gravel. A caliche layer, approximately 9 to 21 feet thick, forms a hard, erosion-resistant pedogenic calcrete approximately 4 feet below ground surface (bgs). Caliche has been observed as shallow as 1½ to 3 feet bgs at the Site. The Ogallala Formation is underlain by the Chinle Formation, which comprises clay, silty clay, shale, and sandstone. Depth to water beneath the landfarm is expected to range from 148 to 174 feet bgs, and regional groundwater flows from northwest to southeast (Stantec Consulting Services Inc. 2017).

The Site was originally approved for 56 landfarm cells (cells) to be constructed over approximately 320 acres; however, only 26 cells were constructed (Cells 1 through 26). Each cell is approximately 300 by 625 feet (approximately 4.3 acres). On July 29, 2003, the NMOCD approved discontinuation of maintenance for Cells 1

through 16 because the soil was treated to applicable standards required under permit NM-02-0012 and no additional soil lifts were planned for these cells (NMOCD 2003b). On February 19, 2008, the NMOCD approved the discontinuation of maintenance and closure for Cells 22, 23, and 24 because the treatment zone closure performance standards specified in provision 19.15.36.15(F) NMAC were met (NMOCD 2008). Active maintenance has continued at Cells 17, 18, 19, 20, 21, 25, and 26; however, no soil has been added to these cells since 2007.

In December 2020, the NMOCD approved a minor permit modification request to discontinue tilling operations at Cells 17, 18, 19, 20, 21, 25, and 26 (NMOCD 2020). Current site activities include monthly site inspections and semiannual treatment zone and vadose zone monitoring. The treatment zone is defined as surface soils (0 to 12 inches bgs) within a cell that were originally impacted by petroleum hydrocarbons and placed in the landfarm for treatment via bioremediation. The vadose zone is defined as native unimpacted subsurface soils that underlie treatment zone soils.

In October 2024, a site assessment was completed at Cells 17, 18, 19, 20, 21, 25, and 26 to delineate TPH; benzene, toluene, ethylbenzene, and xylenes (BTEX); and chloride based on the 19.15.29 NMAC closure criteria for soils impacted by a release (Part 29 closure criteria; see Section 3) and determine if vadose zone soils were impacted by the treatment zone. Select locations within Cells 17 and 21 exceeded the Part 29 closure criteria for chloride or TPH and required remediation. Additionally, during the December 2024 semiannual vadose zone monitoring event, select locations within Cells 17, 18, and 21 exceeded the Part 29 closure criteria for chloride or TPH and also required remediation. The impacted locations are shown on Figure 2.

3 Closure Criteria for Soils Impacted by a Release

The Part 29 closure criteria are determined based on the depth to groundwater and the characteristics of the Site. Given the volume of the release at the Site is unknown, the most stringent Part 29 closure criteria are used. According to Table I of provision 19.15.29.12 NMAC, the Part 29 closure criteria listed in Table 1, below, apply to the Site for remediation and reclamation of the first 4 feet of native soil.

Table 1 Applicable Part 29 Closure Criteria for Site Soils

Depth to Groundwater	Constituent	Part 29 Closure Criteria (mg/kg)	Restoration Criteria (mg/kg)[a]
Less than 50 feet	Chloride	600	600
	TPH (GRO+DRO+ORO)	100	100
	BTEX	50	50
	Benzene	10	10

Notes:
[a] Revised screening limit and restoration criteria within the first 4 feet bgs in accordance with 19.15.29 NMAC, effective August 14, 2018.
DRO = diesel range organics
GRO = gasoline range organics
mg/kg = milligram per kilogram
ORO = oil range organics

4 Soil Remediation Activities

Soil remediation activities were performed from January 27 through February 10, 2025, at the following locations (Figure 2):

- Cell 17, Squares 5, 22, 24, and 66;
- Cell 18, Square 180; and
- Cell 21, Squares 44, 89, 125, and 150.

At each location, treatment zone soil was removed using a backhoe and stockpiled adjacent to the excavation area. Impacted vadose zone soil was then excavated to a maximum depth of approximately 5 to 6 feet below native ground surface. To determine the extent of impacted soil that needed to be removed, soils were screened in the field at 1-foot intervals using a photoionization detector and Hach® chloride test strips.

Once the desired excavation depth and width were achieved at each location (based on field screening results), a five-point composite confirmation sample was collected from the excavation floor and sidewalls. Before sample collection, the backhoe bucket was decontaminated using an Alconox® solution and a pressure washer with potable rinse water. After decontamination was complete, the backhoe bucket was used to collect representative soil from the excavation area. Discrete samples collected from the excavation floor and sidewalls were homogenized in a stainless-steel bowl and placed into laboratory-supplied 4-ounce jars. The sample jars were placed on ice and shipped or delivered to Eurofins Environmental Testing laboratory in Midland, Texas, or Stafford, Texas, for analysis of the following constituents:

- TPH as GRO, DRO, and oil range organics by United States Environmental Protection Agency (USEPA) Method 8015B NM;
- BTEX by USEPA Method 8021B or 8260C; and
- Chloride by USEPA Method 300.

If the confirmation sample results were less than the Part 29 closure criteria, the excavation was considered complete, and the location was backfilled with clean material. If the confirmation sample results exceeded the Part 29 closure criteria, additional soil was removed, and a new confirmation sample was collected to determine whether additional soil removal would be required or if the excavation was complete. A total of 10 confirmation samples were collected from the excavated areas.

Confirmation sample analytical results are provided in Table 2 and shown on Figure 2. Laboratory analytical reports are provided in Appendix C. A photolog of the excavation activities is provided in Appendix D.

In total, approximately 140 cubic yards of impacted soil were excavated and placed in hauling trucks for transport to an offsite disposal facility. The impacted soil was disposed of at the Gandy Marley facility in Caprock, New Mexico as Class 2 non-hazardous material. The disposal manifests are provided in Appendix E.

5 Restoration, Reclamation, and Re-Vegetation Plan

Once the confirmation sample results confirmed excavation was complete, each excavation area was backfilled with locally sourced, non-impacted material from the Gandy Marley facility in Caprock, New Mexico, and covered with treatment zone soil that had been removed prior to excavation. A five-point composite soil sample was collected from the backfill material and analyzed for TPH, BTEX, and chloride. The analytical results confirmed the backfill material was below the Part 29 closure criteria (Table 2).

Provision 19.15.29.13 NMAC outlines the restoration, reclamation, and re-vegetation requirements under Part 29. Specifically, provision 19.15.29.13(E) states that “the surface restoration, reclamation and re-vegetation obligations imposed by federal or state agencies or tribes on lands managed or owned by those agencies supersede these provisions and govern the obligations of any responsible party subject to those provisions, provided that the other requirements provide equal or better protection of fresh water, human health and the environment”. CEMC will comply with the applicable requirements of Part 36 in lieu of the requirements of provision 19.15.29.13 NMAC.

6 Soil Closure Request

Remediation activities at the Site were conducted in accordance with 19.15.29 NMAC. Impacted soil was excavated and disposed of offsite. Confirmation sample results indicate that concentrations of TPH, BTEX, and chloride are below the Part 29 closure criteria in each excavation area.

No additional soil assessment or remediation activities are recommended for the Site at this time. CEMC requests closure of the vadose zone under 19.15.29 NMAC.

7 References

Arcadis. 2024. Site Characterization and Soil Remediation Work Plan. Jal Landfarm NM-020-0012. Centralized Surface Waste Management Facility, Lea County, New Mexico. November 13.

NMOCD. 1999. OCD Rule 711 Permit Approval NM-01-0012 and NM-02-0013. August 2.

NMOCD. 2003a. Letter from R. Anderson (NMOCD) to R. Bailey (Chevron Texaco) re: Texaco E&P Inc. OCD Rule 711 Permit Approval NM-02-0012. March 26.

NMOCD. 2003b. Letter from M. Kieling (NMOCD) to R. Bailey (Chevron Texaco) re: Approval of Discontinued Maintenance Status and Application of Additional Lifts, Texaco E&P Inc., Permit NM-02-0012. July 29.

NMOCD. 2004. Letter from R. Anderson (NMOCD) to R. Bailey (Chevron) re: Chevon USA Inc. Surface Waste Management Facility Permits NM-02-0012 and NM-02-0013. April 1.

NMOCD. 2008. Letter from B. Jones (NMOCD) to R. Bailey (CEMC) re: 2007 Sampling Results of Chevron Centralized Landfarm. Centralized Surface Waste Management Facility Permit NM-2-0012. Lea County, New Mexico. February 19.

NMOCD. 2020. Letter from B. Jones (NMOCD) to R. Speer (Chevon) re: Approval of Permit Minor Modification and Exception Requests. Jal Landfarm, Permit NM2-012. December 24.

NMOCD. 2024. Email from C. Walker (NMOCD) to A. Barnhill (CEMC) re: The Oil Conservation Division (OCD) has approved the application, Application ID: 403258. November 19.

Stantec Consulting Services Inc. 2017. Draft Landfarm Operations, Sampling and Analysis Plan. Chevron Jal Landfarm Surface Waste Management Facility Number NM-02-0012. September 27.

Table

Table 2
January 2025 Confirmation Sample Results
Remediation Summary and Soil Closure Request Report
Jal Landfarm, Permit NM-02-0012
Lea County, New Mexico

			Constituent	DRO	GRO	ORO	TPH[a]	Benzene	Toluene	Ethylbenzene	Xylenes, Total	BTEX[b]	Chloride	
			Method	USEPA SW846 8015B NM	USEPA SW846 8015B NM	USEPA SW846 8015B NM	--	USEPA SW846 8021B	USEPA SW846 8021B	USEPA SW846 8021B	USEPA SW846 8021B	--	USEPA 300.0	
			Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
			Part 29 Closure Criteria	--	--	--	100	10	--	--	--	50	600	
Cell	Zone	Sample ID	Sample Date	Excavation Depth (feet bngs)	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier	Result / Qualifier
--	Borrow	Borrow-S-250205	2/5/2025	--	18.6 U	17.8 U	18.6 U	18.6 --	0.00172 U	0.00246 U	0.00134 U*	0.00282 U	0.00282 --	75.4 --
Cell 17	Vadose	Cell 17-Square 22-E-6-250129	1/29/2025	6	15.1 U	14.5 U	15.1 U	15.1 --	0.00139 U	0.00199 U	0.00108 U	0.00228 U	0.00228 --	739 --
Cell 17	Vadose	Cell 17-Square 22-E-6-250204	2/4/2025	6	16.3 U	15.6 U	16.3 U	16.3 --	0.00150 U	0.00215 U	0.00117 U	0.00246 U	0.00246 --	482 --
Cell 17	Vadose	Cell 17-Square 24-E-6-250128	1/28/2025	6	23.2 U	23.2 U	23.2 U	23.2 --	0.000419 U	0.00133 U	0.000333 U	0.000474 U	0.00133 --	484 --
Cell 17	Vadose	Cell 17-Square 5-E-5-250130	1/30/2025	5	16.0 U	15.4 U	16.0 U	16.0 --	0.00148 U	0.00212 U	0.00116 U	0.00242 U	0.00242 --	290 --
Cell 17	Vadose	Cell 17-Square 66-E-5-250129	1/29/2025	5	15.1 U	14.5 U	15.1 U	15.1 --	0.00138 U	0.00198 U	0.00108 U	0.00226 U	0.00226 --	146 --
Cell 18	Vadose	Cell 18-Square 180-E-5-250206	2/6/2025	5	20.2 U	19.4 U	20.2 U	20.2 --	0.00186 U	0.00268 U	0.00146 U	0.00306 U	0.00306 --	7.26 J
Cell 21	Vadose	Cell 21-Square 125-E-5-250206	2/6/2025	5	17.2 U	16.6 U	17.2 U	17.2 --	0.00158 U	0.00227 U	0.00124 U	0.00260 U	0.00260 --	4.53 J
Cell 21	Vadose	Cell 21-Square 150-E-6-250205	2/5/2025	6	16.2 U	15.5 U	16.2 U	16.2 --	0.00148 U	0.00213 U	0.00116 U	0.00244 U	0.00244 --	12.4 --
Cell 21	Vadose	Cell 21-Square 44-E-5-250205	2/5/2025	5	16.2 U	15.5 U	16.2 U	16.2 --	0.00148 U	0.00213 U	0.00116 U	0.00244 U	0.00244 --	4.54 J
Cell 21	Vadose	Cell 21-Square 89-E-5-250205	2/5/2025	5	16.2 U	15.6 U	16.2 U	16.2 --	0.00149 U	0.00214 U	0.00116 U	0.00244 U	0.00244 --	4.64 J

Notes:

1. Non-detect values are reported to the sample detection limit (i.e., the SDL) specified in the laboratory reports.
2. Detected values highlighted in gray exceed the 19.15.29 NMAC closure criteria for soils impacted by a release.
3. Cell 17-Square24-E-6-250128 was analyzed for BTEX using method USEPA SW846 8260C.

[a] TPH is the sum of detected DRO, GRO, and ORO fractions. If all results are non-detect, the highest non-detect value is presented.

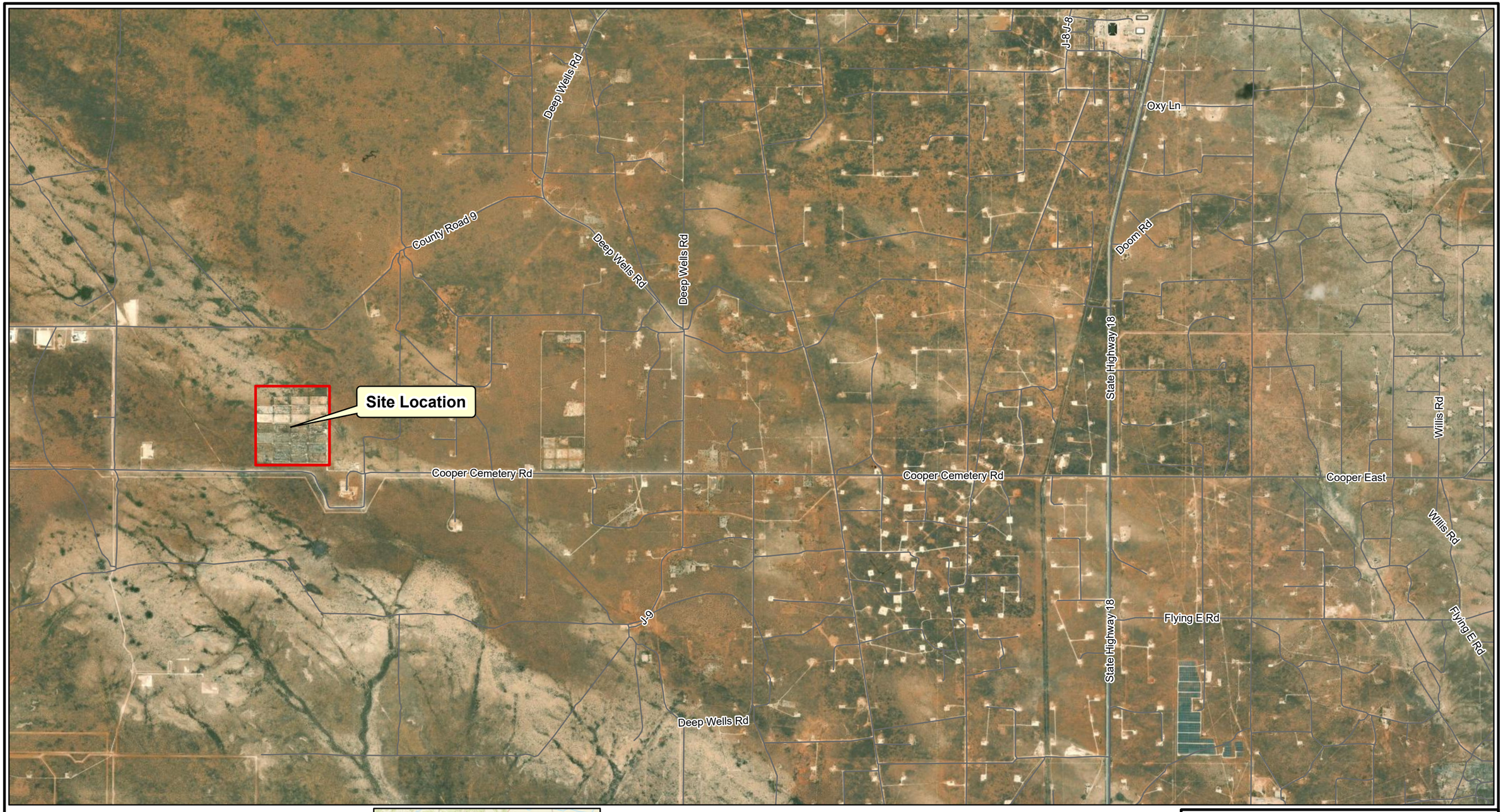
[b] BTEX is the sum of benzene, toluene, ethylbenzene, and xylenes. If all results are non-detect, the highest non-detect value is presented.

-- = not applicable
bngs = below native ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes
DRO = diesel range organics
GRO = gasoline range organics
ID = identification
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
mg/kg = milligram per kilogram
MQL = method quantitation limit
NMAC = New Mexico Administrative Code
ORO = oil range organics
SDL = sample detection limit
SW846 = "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Third Edition, November 1986 and its updates
TPH = total petroleum hydrocarbon
USEPA = United States Environmental Protection Agency

Qualifiers:

* = LCS or LCSD is outside acceptance limits.
J = Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U = Analyte was not detected at or above the SDL.

Figures



LEGEND

Landfarm Boundary

0 3,000 6,000

SCALE IN FEET

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
JAL LANDFARM, PERMIT NM-02-0012
LEA COUNTY, NEW MEXICO

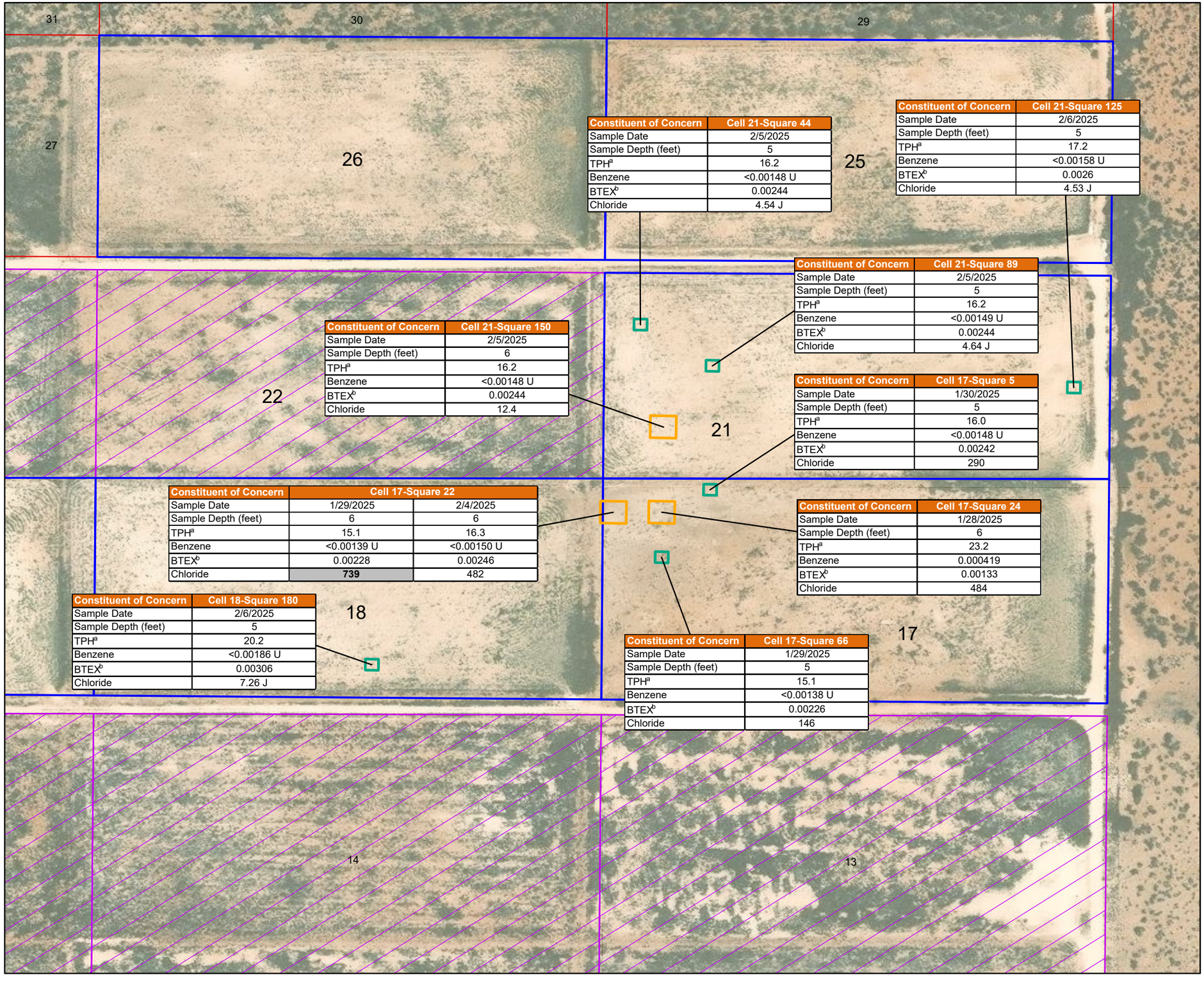
REMEDIATION SUMMARY AND SOIL CLOSURE REQUEST REPORT

SITE LOCATION MAP

ARCADIS

FIGURE 1

PATH: T:_ENV\CHEVRON_JAL-LANDFARM\GIS_PRO\2024EVENT\2023_DEC_2024EVENT.APRX SAVED: 2/18/2025 BY: AVI00976



Constituent of Concern	Cell 21-Square 44
Sample Date	2/5/2025
Sample Depth (feet)	5
TPH[a]	16.2
Benzene	<0.00148 U
BTEX[b]	0.00244
Chloride	4.54 J

Constituent of Concern	Cell 21-Square 125
Sample Date	2/6/2025
Sample Depth (feet)	5
TPH[a]	17.2
Benzene	<0.00158 U
BTEX[b]	0.0026
Chloride	4.53 J

Constituent of Concern	Cell 21-Square 89
Sample Date	2/5/2025
Sample Depth (feet)	5
TPH[a]	16.2
Benzene	<0.00149 U
BTEX[b]	0.00244
Chloride	4.64 J

Constituent of Concern	Cell 21-Square 150
Sample Date	2/5/2025
Sample Depth (feet)	6
TPH[a]	16.2
Benzene	<0.00148 U
BTEX[b]	0.00244
Chloride	12.4

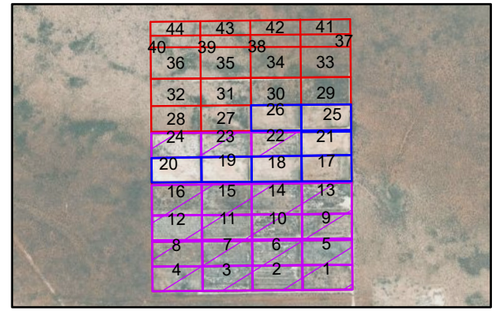
Constituent of Concern	Cell 17-Square 5
Sample Date	1/30/2025
Sample Depth (feet)	5
TPH[a]	16.0
Benzene	<0.00148 U
BTEX[b]	0.00242
Chloride	290

Constituent of Concern	Cell 17-Square 22	
Sample Date	1/29/2025	2/4/2025
Sample Depth (feet)	6	6
TPH[a]	15.1	16.3
Benzene	<0.00139 U	<0.00150 U
BTEX[b]	0.00228	0.00246
Chloride	**739**	482

Constituent of Concern	Cell 17-Square 24
Sample Date	1/28/2025
Sample Depth (feet)	6
TPH[a]	23.2
Benzene	0.000419
BTEX[b]	0.00133
Chloride	484

Constituent of Concern	Cell 18-Square 180
Sample Date	2/6/2025
Sample Depth (feet)	5
TPH[a]	20.2
Benzene	<0.00186 U
BTEX[b]	0.00306
Chloride	7.26 J

Constituent of Concern	Cell 17-Square 66
Sample Date	1/29/2025
Sample Depth (feet)	5
TPH[a]	15.1
Benzene	<0.00138 U
BTEX[b]	0.00226
Chloride	146



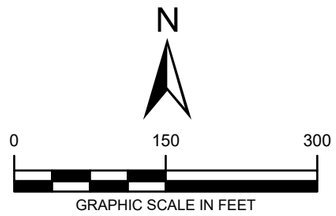
LEGEND

- Active Landfarm Cell
- Developed Cell - Inactive
- Inactive Landfarm Cell
- 5 feet below native ground surface (Excavation Depth)
- 6 feet below native ground surface (Excavation Depth)

Constituent of Concern	Part 29 Closure Criteria
TPH[a]	100
Benzene	10
BTEX[b]	50
Chloride	600

NOTES:

1. **BOLD AND SHADE** - DETECTED VALUE EXCEEDS THE PART 29 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.
2. TPH[a] - TOTAL PETROLEUM HYDROCARBONS (TPH) ARE THE SUM OF DETECTED DIESEL RANGE ORGANIC, GASOLINE RANGE ORGANIC, AND OIL RANGE ORGANIC FRACTIONS. IF ALL RESULTS ARE NON-DETECT, THE HIGHEST NON-DETECT VALUE IS PRESENTED.
3. BTEX[b] - BTEX IS THE SUM OF DETECTED BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES. IF ALL RESULTS ARE NON-DETECT, THE HIGHEST NON-DETECT VALUE IS PRESENTED.
4. J - RESULT IS LESS THAN THE METHOD QUANTITATION LIMIT BUT GREATER THAN OR EQUAL TO THE SAMPLE DETECTION LIMIT AND THE CONCENTRATION IS AN ESTIMATED VALUE.
5. U - ANALYTE WAS NOT DETECTED AT OR ABOVE THE SAMPLE DETECTION LIMIT.
6. ALL RESULTS ARE PRESENTED IN MILLIGRAMS PER KILOGRAMS
7. < - LESS THAN.



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
JAL LANDFARM, PERMIT NM-02-0012
LEA COUNTY, NEW MEXICO

REMEDIATION SUMMARY AND SOIL CLOSURE REQUEST REPORT

EXCAVATION AREAS AND CONFIRMATION SAMPLE RESULTS

ARCADIS

FIGURE **2**

Path: T:_ENV\Chevron_Jal-Landfarm\GIS_Pro\2024\Event\2023_Dec_2024Event.aprx\Figure 2 Analytical Figure Last Saved By: avi00976 2/28/2025

Appendix A

Initial and Final C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2113741693
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA Inc.	OGRID: 22364
Contact Name: Armando Martinez	Contact Telephone: 505.690.5408.
Contact email: amarti@chevron.com	Incident # *(assigned by OCD)*
Contact mailing address: P.O. Box 469 Questa, NM 87564	

Location of Release Source

Latitude 32.214875 Longitude -103.291479
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Jal Landfarm	Site Type: Landfarm
Date Release Discovered: N/A	API# *(if applicable):* N/A

Unit Letter	Section	Township	Range	County
K	17	24S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Texaco Exploration & Production Co.)

Nature and Volume of Release

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

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

Cause of Release: The Site operates as a surface waste management facility; however, no new waste material has been received since 2007. Waste received at the facility consisted of soil/solids impacted with exempt hydrocarbons. Minor impacts of TPH and Chloride to the vadose zone (2 – 3 feet below native ground surface) have been measured.

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release due to the unknown volume of material released.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Yes, notification provided to OCD (Bradford Billings) by Arcadis/Chevron on 4/21/2021 via teleconference.

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

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

Routine operation, maintenance, and monitoring activities to remediate impacted treatment zone soils in accordance with NMAC Part 36 (which replaced rule 711) are being conducted and have been since 1999.

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: Armando Martinez Title: Operations Lead - Central

Signature: Date: 4/21/2021

email: amarti@chevon.com Telephone: 505.690.5408

OCD Only

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 28440

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
CHEVRON U S A INC	6301 Deauville Blvd	Midland, TX79706	4323	28440	C-141

OCD Reviewer	Condition
rmarcus	The submitted C-141 is accepted with the following condition(s): The lateral and longitudinal information does not match the ULSTR regarding the release location. Please correct the conflicting information and report back to OCD. The information provided points to the ULSTR: L-17-24S-36E. The C-141 is reflecting K-17-24S-36E. Also, when submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2113741693
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: Armando Martinez Title: Operations Lead

Signature:  Date: February 26, 2025

email: amarti@chevron.com Telephone: 505-690-5408

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: _____

Appendix B

Closure Report Extension Request Approval

Schaffer, Alison

From: Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Sent: Monday, February 17, 2025 7:20 AM
To: Schaffer, Alison
Cc: Martinez, Armando; Hudson, Matt; Tyler, Loyd; Johnson, Sarah; Nanny, Ryan
Subject: RE: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Good morning Alison,

Your extension request for the closure report to be due on March 10, 2025 is approved. Please include this extension approval in your submission documents.

Thank you,
Crystal

From: Schaffer, Alison <Alison.Schaffer@arcadis.com>
Sent: Friday, February 14, 2025 3:26 PM
To: Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Cc: Martinez, Armando <amarti@chevron.com>; Hudson, Matt <MHudson@chevron.com>; Tyler, Loyd <Loyd.Tyler@chevron.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>; Nanny, Ryan <Ryan.Nanny@arcadis.com>
Subject: RE: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Hi Crystal,

We recently completed remediation activities at the Jal Landfarm in accordance with the approved Site Assessment/Characterization and Remediation Plan. The work was performed January 27 – February 7, 2025. We are in the process of developing the Part 29 Closure Report. The current due date for submittal of the Closure Report is 2/17/2025. We would like to request a 3-week extension for submittal of the report with a proposed due date of March 10, 2025.

Please let me know if you have any questions or if you would like to discuss further.

Thank you,
Alison

Alison Schaffer
Environmental Scientist
Arcadis U.S., Inc.
630 Plaza Drive, Suite 200 | Highlands Ranch, CO | 80129 | USA
T +1 303 471 3575

www.arcadis.com

ARCADIS

From: Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Sent: Wednesday, January 15, 2025 11:38 AM
To: Nanny, Ryan <Ryan.Nanny@arcadis.com>
Cc: Martinez, Armando <amarti@chevron.com>; Hudson, Matt <MHudson@chevron.com>; Tyler, Loyd <Loyd.Tyler@chevron.com>; Schaffer, Alison <Alison.Schaffer@arcadis.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>; Rice, Steve <Steve.Rice@arcadis.com>; Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Good morning Ryan,

Per the approval of the remediation plan a closure report is due on 2/17/2025.

Your request to modify the remediation plan as stated below is approved. Please include this communication and documentation in your closure report. If you request a remediation plan extension and no work or activity on the remediation is/has taking place the extension will most likely be denied.

Please contact me if you have any questions.

Thank you,
Crystal Walker

From: Nanny, Ryan <Ryan.Nanny@arcadis.com>
Sent: Wednesday, January 15, 2025 10:55 AM
To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Martinez, Armando <amarti@chevron.com>; Hudson, Matt <MHudson@chevron.com>; Tyler, Loyd <Loyd.Tyler@chevron.com>; Schaffer, Alison <Alison.Schaffer@arcadis.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>; Rice, Steve <Steve.Rice@arcadis.com>; Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Thank you so much Michael!
Crystal, if you have any questions or would like to discuss further, please let us know.

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Wednesday, January 15, 2025 11:53 AM

To: Nanny, Ryan <Ryan.Nanny@arcadis.com>
Cc: Martinez, Armando <amarti@chevron.com>; Hudson, Matt <MHudson@chevron.com>; Tyler, Loyd <Loyd.Tyler@chevron.com>; Schaffer, Alison <Alison.Schaffer@arcadis.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>; Rice, Steve <Steve.Rice@arcadis.com>; Walker, Crystal, EMNRD <Crystal.Walker@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Good morning, Ryan

You may want to reach out to Crystal Walker, I have CC'd her on this response, as she was the last reviewer for this incident.

Thank you,

Mike

From: Nanny, Ryan <Ryan.Nanny@arcadis.com>
Sent: Wednesday, January 15, 2025 10:24 AM
To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Martinez, Armando <amarti@chevron.com>; Hudson, Matt <MHudson@chevron.com>; Tyler, Loyd <Loyd.Tyler@chevron.com>; Schaffer, Alison <Alison.Schaffer@arcadis.com>; Johnson, Sarah <Sarah.Johnson@arcadis.com>; Rice, Steve <Steve.Rice@arcadis.com>
Subject: [EXTERNAL] Jal Landfarm (Permit NM02-0012) - Site Assessment/Characterization and Remediation Plan Modification Request

Hello Mr. Buchanan,

We recently received approval of the Jal Landfarm Site Assessment/Characterization and Remediation Plan (incident ID nAPP2113741693).

As part of 19.15.36 NMAC (Part 36), we are required to continue semi-annual vadose zone monitoring until the site is approved to begin closure activities under Part 36. During the recent semi-annual vadose zone monitoring event in December 2024, some samples exceeded the Part 29 closure criteria for chloride and TPH. Although chloride and TPH in the active landfarm cells have been delineated, as presented in the Site Assessment/Characterization and Remediation Plan, we recognize that variable concentrations may be observed across the site due to the sampling methodology (i.e., collection of discrete grab samples) and the heterogenous nature of soil. Since no new impacted material has been placed on the landfarm since 2007, we do not believe these additional chloride and TPH exceedances represent a new release.

We request approval to include these additional locations (and any future locations that may exceed the Part 29 closure criteria) in our Site Assessment/Characterization and Remediation Plan. We propose to remediate all locations that exceed the Part 29 closure criteria during one mobilization prior to initiation of Part 36 closure

activities. Part 36 closure activities will be initiated once the Part 36 Closure Plan is submitted and approved by the NMOCD.

Please let us know if you would like to discuss further or if you have any questions.

Thank you so much Mr. Buchanon!

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Appendix C

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 1/30/2025 3:44:15 PM

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

880-53816-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
1/30/2025 3:44:15 PM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 880-53816-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyte was not detected at or above the SDL.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
b	The compound was found in the blank and sample

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 880-53816-1
Project: Chevron - Jal Land Farm Soils

Job ID: 880-53816-1 Eurofins Midland

Job Narrative
880-53816-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 1/29/2025 4:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: Cell 17-Square 22-E-6-250129 (880-53816-1) and Cell 17-Square 66-E-5-250129 (880-53816-2).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-101558 and analytical batch 880-101549 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-101549/2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101544 and analytical batch 880-101567 was outside the upper control limits.

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

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

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

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17-Square 22-E-6-250129 Lab Sample ID: 880-53816-1

Date Collected: 01/29/25 11:01 **Matrix: Solid**
Date Received: 01/29/25 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U *	0.00199	0.00139	mg/Kg		01/30/25 08:55	01/30/25 13:18	1
Toluene	0.00199	U *	0.00199	0.00199	mg/Kg		01/30/25 08:55	01/30/25 13:18	1
Ethylbenzene	0.00108	U *	0.00199	0.00108	mg/Kg		01/30/25 08:55	01/30/25 13:18	1
m-Xylene & p-Xylene	0.00228	U *	0.00398	0.00228	mg/Kg		01/30/25 08:55	01/30/25 13:18	1
o-Xylene	0.00158	U *	0.00199	0.00158	mg/Kg		01/30/25 08:55	01/30/25 13:18	1
Xylenes, Total	0.00228	U *	0.00398	0.00228	mg/Kg		01/30/25 08:55	01/30/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/30/25 08:55*	*01/30/25 13:18*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/30/25 08:55*	*01/30/25 13:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		01/30/25 07:54	01/30/25 13:04	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:54	01/30/25 13:04	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:54	01/30/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/30/25 07:54*	*01/30/25 13:04*	*1*
o-Terphenyl	*75*		*70 - 130*	*01/30/25 07:54*	*01/30/25 13:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**739**		10.0	0.397	mg/Kg			01/30/25 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**6.95**		0.100	0.100	%			01/29/25 17:27	1
Percent Solids (ASTM D2216)	**93.0**	**b**	0.100	0.100	%			01/29/25 17:27	1

Client Sample ID: Cell 17-Square 66-E-5-250129 Lab Sample ID: 880-53816-2

Date Collected: 01/29/25 13:14 **Matrix: Solid**
Date Received: 01/29/25 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00138	U *	0.00198	0.00138	mg/Kg		01/30/25 08:55	01/30/25 13:38	1
Toluene	0.00198	U *	0.00198	0.00198	mg/Kg		01/30/25 08:55	01/30/25 13:38	1
Ethylbenzene	0.00108	U *	0.00198	0.00108	mg/Kg		01/30/25 08:55	01/30/25 13:38	1
m-Xylene & p-Xylene	0.00226	U *	0.00396	0.00226	mg/Kg		01/30/25 08:55	01/30/25 13:38	1
o-Xylene	0.00157	U *	0.00198	0.00157	mg/Kg		01/30/25 08:55	01/30/25 13:38	1
Xylenes, Total	0.00226	U *	0.00396	0.00226	mg/Kg		01/30/25 08:55	01/30/25 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*01/30/25 08:55*	*01/30/25 13:38*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*01/30/25 08:55*	*01/30/25 13:38*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17-Square 66-E-5-250129 Lab Sample ID: 880-53816-2

Date Collected: 01/29/25 13:14 **Matrix: Solid**
Date Received: 01/29/25 16:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	49.9	14.5	mg/Kg		01/30/25 07:58	01/30/25 13:04	1
Diesel Range Organics (Over C10-C28)	15.1	U	49.9	15.1	mg/Kg		01/30/25 07:58	01/30/25 13:04	1
Oil Range Organics (Over C28-C36)	15.1	U	49.9	15.1	mg/Kg		01/30/25 07:58	01/30/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*01/30/25 07:58*	*01/30/25 13:04*	*1*
o-Terphenyl	*108*		*70 - 130*	*01/30/25 07:58*	*01/30/25 13:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**146**		10.1	0.397	mg/Kg			01/30/25 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**4.06**		0.100	0.100	%			01/29/25 17:27	1
Percent Solids (ASTM D2216)	**95.9**	**b**	0.100	0.100	%			01/29/25 17:27	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-53816-1	Cell 17-Square 22-E-6-250129	96	109										
880-53816-2	Cell 17-Square 66-E-5-250129	99	108										
LCS 880-101558/1-A	Lab Control Sample	92	115										
LCSD 880-101558/2-A	Lab Control Sample Dup	93	115										
MB 880-101558/5-A	Method Blank	92	102										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-53816-1	Cell 17-Square 22-E-6-250129	80	75										
880-53816-2	Cell 17-Square 66-E-5-250129	127	108										
LCS 880-101543/2-A	Lab Control Sample	98	102										
LCS 880-101544/2-A	Lab Control Sample	124	116										
LCSD 880-101543/3-A	Lab Control Sample Dup	101	105										
LCSD 880-101544/3-A	Lab Control Sample Dup	129	121										
MB 880-101543/1-A	Method Blank	130	121										
MB 880-101544/1-A	Method Blank	170 X	140 X										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101558/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U	0.00200	0.00139	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Toluene	0.00200	U	0.00200	0.00200	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Ethylbenzene	0.00109	U	0.00200	0.00109	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
m-Xylene & p-Xylene	0.00229	U	0.00400	0.00229	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
o-Xylene	0.00158	U	0.00200	0.00158	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Xylenes, Total	0.00229	U	0.00400	0.00229	mg/Kg		01/30/25 08:55	01/30/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*01/30/25 08:55*	*01/30/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/30/25 08:55*	*01/30/25 11:34*	*1*

Lab Sample ID: LCS 880-101558/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.06715	*	mg/Kg		67	70 - 130		
Toluene			0.100	0.05872	*	mg/Kg		59	70 - 130		
Ethylbenzene			0.100	0.06264	*	mg/Kg		63	70 - 130		
m-Xylene & p-Xylene			0.200	0.1328	*	mg/Kg		66	70 - 130		
o-Xylene			0.100	0.06825	*	mg/Kg		68	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-101558/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.06013	*	mg/Kg		60	70 - 130	11	35
Toluene			0.100	0.05237	*	mg/Kg		52	70 - 130	11	35
Ethylbenzene			0.100	0.05406	*	mg/Kg		54	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.1156	*	mg/Kg		58	70 - 130	14	35
o-Xylene			0.100	0.06085	*	mg/Kg		61	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 880-101543/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101565 **Prep Batch: 101543**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		01/30/25 07:53	01/30/25 03:36	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:53	01/30/25 03:36	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:53	01/30/25 03:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*01/30/25 07:53*	*01/30/25 03:36*	*1*
o-Terphenyl	*121*		*70 - 130*	*01/30/25 07:53*	*01/30/25 03:36*	*1*

Lab Sample ID: LCS 880-101543/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101565 **Prep Batch: 101543**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	891.9		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	912.7		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-101543/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101565 **Prep Batch: 101543**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	914.2		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	929.1		mg/Kg		93	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-101544/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101567 **Prep Batch: 101544**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		01/30/25 07:57	01/30/25 03:36	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:57	01/30/25 03:36	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:57	01/30/25 03:36	1

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 880-101544/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101567 **Prep Batch: 101544**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	X	70 - 130	01/30/25 07:57	01/30/25 03:36	1
o-Terphenyl	140	X	70 - 130	01/30/25 07:57	01/30/25 03:36	1

Lab Sample ID: LCS 880-101544/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101567 **Prep Batch: 101544**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-101544/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101567 **Prep Batch: 101544**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	129		70 - 130
o-Terphenyl	121		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101556/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 101562

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.395	U	10.0	0.395	mg/Kg			01/30/25 09:48	1

Lab Sample ID: LCS 880-101556/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 101562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.0		mg/Kg		94	90 - 110

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-101556/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 101562

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	235.5		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

GC VOA

Analysis Batch: 101549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Total/NA	Solid	8021B	101558
880-53816-2	Cell 17-Square 66-E-5-250129	Total/NA	Solid	8021B	101558
MB 880-101558/5-A	Method Blank	Total/NA	Solid	8021B	101558
LCS 880-101558/1-A	Lab Control Sample	Total/NA	Solid	8021B	101558
LCSD 880-101558/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101558

Prep Batch: 101558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Total/NA	Solid	5030B	
880-53816-2	Cell 17-Square 66-E-5-250129	Total/NA	Solid	5030B	
MB 880-101558/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-101558/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-101558/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 101543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Total/NA	Solid	8015NM Prep	
MB 880-101543/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101543/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101543/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 101544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-2	Cell 17-Square 66-E-5-250129	Total/NA	Solid	8015NM Prep	
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Total/NA	Solid	8015B NM	101543
MB 880-101543/1-A	Method Blank	Total/NA	Solid	8015B NM	101543
LCS 880-101543/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101543
LCSD 880-101543/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101543

Analysis Batch: 101567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-2	Cell 17-Square 66-E-5-250129	Total/NA	Solid	8015B NM	101544
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015B NM	101544
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101544
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101544

HPLC/IC

Leach Batch: 101556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Soluble	Solid	DI Leach	
880-53816-2	Cell 17-Square 66-E-5-250129	Soluble	Solid	DI Leach	
MB 880-101556/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101556/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

HPLC/IC (Continued)

Leach Batch: 101556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-101556/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 101562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Soluble	Solid	300.0	101556
880-53816-2	Cell 17-Square 66-E-5-250129	Soluble	Solid	300.0	101556
MB 880-101556/1-A	Method Blank	Soluble	Solid	300.0	101556
LCS 880-101556/2-A	Lab Control Sample	Soluble	Solid	300.0	101556
LCSD 880-101556/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101556

General Chemistry

Analysis Batch: 101522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53816-1	Cell 17-Square 22-E-6-250129	Total/NA	Solid	D2216	
880-53816-2	Cell 17-Square 66-E-5-250129	Total/NA	Solid	D2216	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17-Square 22-E-6-250129 Lab Sample ID: 880-53816-1

Date Collected: 01/29/25 11:01 **Matrix: Solid**
Date Received: 01/29/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	101558	01/30/25 08:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101549	01/30/25 13:18	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	101543	01/30/25 07:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101565	01/30/25 13:04	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101556	01/30/25 08:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101562	01/30/25 10:24	CH	EET MID
Total/NA	Analysis	D2216		1			101522	01/29/25 17:27	SMC	EET MID

Client Sample ID: Cell 17-Square 66-E-5-250129 Lab Sample ID: 880-53816-2

Date Collected: 01/29/25 13:14 **Matrix: Solid**
Date Received: 01/29/25 16:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5 mL	101558	01/30/25 08:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101549	01/30/25 13:38	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101544	01/30/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101567	01/30/25 13:04	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101556	01/30/25 08:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101562	01/30/25 10:30	CH	EET MID
Total/NA	Analysis	D2216		1			101522	01/29/25 17:27	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: Arcadis US Inc. Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Job ID: 880-53816-1
Project/Site: Chevron - Jal Land Farm Soils

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53816-1	Cell 17-Square 22-E-6-250129	Solid	01/29/25 11:01	01/29/25 16:55
880-53816-2	Cell 17-Square 66-E-5-250129	Solid	01/29/25 13:14	01/29/25 16:55

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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880-53816 Chain of Custody

Client Information	Sampler: Terry S. Longwell	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Sarah Johnson	Phone: 432-288-0576	E-Mail: Sachin.Kudchadkar@et.eurofinsus.com	State of Origin:

Company: Arcadis US Inc.	PWSID:
Address: 1004 North Big Spring Suite 300	Due Date Requested:
City: Midland	TAT Requested (days): 24 TAT
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No
Phone: 303-316-6506(Tel)	PO #: PN 3027704
Email: sarah.johnson@arcadis.com	WO #:
Project Name: Chevron - Jal Land Farm Soils	Project #: 86001348
Site:	SSOW#:

Analysis Requested

Preservation Codes: N - None

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM - Full TPH	300_ORGFM_28D - Chloride	8021B - BTEX	MOISTURE_2540G - Percent Moisture	Total Number of Containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
Cell 17-Square 22-E-6-250129	01/29/25	1101	C	Solid			X	X	X	X	2	
Cell 17-Square 66-E-6-250129	01/29/25	1314	C	Solid			X	X	X	X	2	
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 01/29/25 1457	Company: ARCADIS	Received by:	Date/Time: 1/29/25 1655	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.6/4.5 -.1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-53816-1

Login Number: 53816 **List Source: Eurofins Midland**
List Number: 1
Creator: Vasquez, Julisa

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 2/3/2025 10:23:58 AM

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

880-53848-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/3/2025 10:23:58 AM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 880-53848-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyte was not detected at or above the SDL.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 880-53848-1
Project: Chevron - Jal Land Farm Soils

Job ID: 880-53848-1 Eurofins Midland

Job Narrative
880-53848-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 1/30/2025 1:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.5°C.

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: Cell 17Square 5-E-5-250130 (880-53848-1).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-101558 and analytical batch 880-101549 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

Diesel Range Organics
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101544 and analytical batch 880-101567 was outside the upper control limits.

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

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

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

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17Square 5-E-5-250130 **Lab Sample ID: 880-53848-1**
Date Collected: 01/30/25 10:16 **Matrix: Solid**
Date Received: 01/30/25 13:50 **Percent Solids: 94.1**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00148	U *	0.00212	0.00148	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1
Toluene	0.00212	U *	0.00212	0.00212	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1
Ethylbenzene	0.00116	U *	0.00212	0.00116	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1
m-Xylene & p-Xylene	0.00242	U *	0.00424	0.00242	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1
o-Xylene	0.00168	U *	0.00212	0.00168	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1
Xylenes, Total	0.00242	U *	0.00424	0.00242	mg/Kg	☼	01/30/25 14:48	01/30/25 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/30/25 14:48*	*01/30/25 18:58*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*01/30/25 14:48*	*01/30/25 18:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.4	U	52.9	15.4	mg/Kg	☼	01/30/25 07:58	01/30/25 14:55	1
Diesel Range Organics (Over C10-C28)	16.0	U	52.9	16.0	mg/Kg	☼	01/30/25 07:58	01/30/25 14:55	1
Oil Range Organics (Over C28-C36)	16.0	U	52.9	16.0	mg/Kg	☼	01/30/25 07:58	01/30/25 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*01/30/25 07:58*	*01/30/25 14:55*	*1*
o-Terphenyl	*122*		*70 - 130*	*01/30/25 07:58*	*01/30/25 14:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**290**		10.1	0.399	mg/Kg			01/31/25 02:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**5.92**		0.100	0.100	%			01/30/25 18:24	1
Percent Solids (ASTM D2216)	**94.1**	**b**	0.100	0.100	%			01/30/25 18:24	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53848-1	Cell 17Square 5-E-5-250130	95	110
LCS 880-101558/1-A	Lab Control Sample	92	115
LCSD 880-101558/2-A	Lab Control Sample Dup	93	115
MB 880-101558/5-A	Method Blank	92	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-53848-1	Cell 17Square 5-E-5-250130	128	122
LCS 880-101544/2-A	Lab Control Sample	124	116
LCSD 880-101544/3-A	Lab Control Sample Dup	129	121
MB 880-101544/1-A	Method Blank	170 X	140 X

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101558/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U	0.00200	0.00139	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Toluene	0.00200	U	0.00200	0.00200	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Ethylbenzene	0.00109	U	0.00200	0.00109	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
m-Xylene & p-Xylene	0.00229	U	0.00400	0.00229	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
o-Xylene	0.00158	U	0.00200	0.00158	mg/Kg		01/30/25 08:55	01/30/25 11:34	1
Xylenes, Total	0.00229	U	0.00400	0.00229	mg/Kg		01/30/25 08:55	01/30/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*01/30/25 08:55*	*01/30/25 11:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*01/30/25 08:55*	*01/30/25 11:34*	*1*

Lab Sample ID: LCS 880-101558/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.06715	*	mg/Kg		67	70 - 130		
Toluene			0.100	0.05872	*	mg/Kg		59	70 - 130		
Ethylbenzene			0.100	0.06264	*	mg/Kg		63	70 - 130		
m-Xylene & p-Xylene			0.200	0.1328	*	mg/Kg		66	70 - 130		
o-Xylene			0.100	0.06825	*	mg/Kg		68	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-101558/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101549 **Prep Batch: 101558**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.06013	*	mg/Kg		60	70 - 130	11	35
Toluene			0.100	0.05237	*	mg/Kg		52	70 - 130	11	35
Ethylbenzene			0.100	0.05406	*	mg/Kg		54	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.1156	*	mg/Kg		58	70 - 130	14	35
o-Xylene			0.100	0.06085	*	mg/Kg		61	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 880-101544/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101567 — **Prep Batch: 101544**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		01/30/25 07:57	01/30/25 03:36	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:57	01/30/25 03:36	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		01/30/25 07:57	01/30/25 03:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*170*	*X*	*70 - 130*	*01/30/25 07:57*	*01/30/25 03:36*	*1*
o-Terphenyl	*140*	*X*	*70 - 130*	*01/30/25 07:57*	*01/30/25 03:36*	*1*

Lab Sample ID: LCS 880-101544/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101567 — **Prep Batch: 101544**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1075		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*124*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: LCSD 880-101544/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 101567 — **Prep Batch: 101544**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1135		mg/Kg		113	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101670/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 101674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.395	U	10.0	0.395	mg/Kg			01/31/25 00:37	1

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-101670/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 101674

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.3		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-101670/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 101674

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	242.7		mg/Kg		97	90 - 110	0	20

Method: D2216 - Percent Moisture

Lab Sample ID: MB 880-101679/1 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101679

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.100	U	0.100	0.100	%			01/30/25 18:24	1
Percent Solids	100		0.100	0.100	%			01/30/25 18:24	1

Lab Sample ID: 880-53848-1 DU **Client Sample ID: Cell 17Square 5-E-5-250130**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 101679

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.92			5.92		%				0	20
Percent Solids	94.1	b		94.1		%				0	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

GC VOA

Analysis Batch: 101549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Total/NA	Solid	8021B	101558
MB 880-101558/5-A	Method Blank	Total/NA	Solid	8021B	101558
LCS 880-101558/1-A	Lab Control Sample	Total/NA	Solid	8021B	101558
LCSD 880-101558/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101558

Prep Batch: 101558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Total/NA	Solid	5030B	
MB 880-101558/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-101558/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-101558/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 101544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Total/NA	Solid	8015NM Prep	
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Total/NA	Solid	8015B NM	101544
MB 880-101544/1-A	Method Blank	Total/NA	Solid	8015B NM	101544
LCS 880-101544/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101544
LCSD 880-101544/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101544

HPLC/IC

Leach Batch: 101670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Soluble	Solid	DI Leach	
MB 880-101670/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101670/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101670/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 101674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Soluble	Solid	300.0	101670
MB 880-101670/1-A	Method Blank	Soluble	Solid	300.0	101670
LCS 880-101670/2-A	Lab Control Sample	Soluble	Solid	300.0	101670
LCSD 880-101670/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101670

General Chemistry

Analysis Batch: 101679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53848-1	Cell 17Square 5-E-5-250130	Total/NA	Solid	D2216	
MB 880-101679/1	Method Blank	Total/NA	Solid	D2216	
880-53848-1 DU	Cell 17Square 5-E-5-250130	Total/NA	Solid	D2216	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17Square 5-E-5-250130 Lab Sample ID: 880-53848-1

Date Collected: 01/30/25 10:16 **Matrix: Solid**
Date Received: 01/30/25 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	101670	01/30/25 16:07	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101674	01/31/25 02:06	CH	EET MID
Total/NA	Analysis	D2216		1			101679	01/30/25 18:24	SMC	EET MID

Client Sample ID: Cell 17Square 5-E-5-250130 Lab Sample ID: 880-53848-1

Date Collected: 01/30/25 10:16 **Matrix: Solid**
Date Received: 01/30/25 13:50 **Percent Solids: 94.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	101558	01/30/25 14:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101549	01/30/25 18:58	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101544	01/30/25 07:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101567	01/30/25 14:55	TKC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: Arcadis US Inc. Job ID: 880-53848-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-53848-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-53848-1	Cell 17Square 5-E-5-250130	Solid	01/30/25 10:16	01/30/25 13:50

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record


880-53848 Chain of Custody

Client Information	Sampler:	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Sarah Johnson	Phone: 432-288-0876	E-Mail: Sachin.Kudchadkar@et.eurofinsus.com	State of Origin:
Company: Arcadis US Inc.	PWSID:		
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days): 24 Hr TAT		
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No		
Phone: 303-316-6506(Tel)	PO #: PN 3027704		
Email: sarah.johnson@arcadis.com	WO #:		
Project Name: Chevron - Jal Land Farm Soils	Project #: 86001348		
Site:	SSOW#:		

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Perform MS/MSD (Yes or No)	Field Filtered Sample (Yes or No)	8015MOD_NM - Full TPH	300_ORGFM_28D - Chloride	9021B - BTEX	MOISTURE_2540G - Percent Moisture	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
Cell 875 grave 5-E-5-250130	01/30/25	1016	C	Solid			X	X	X	X	1	
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	01/30/25 / 1344	PRELIM		1/30/25 1358	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Co.Col 6.5 = 1

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-53848-1

Login Number: 53848 **List Source: Eurofins Midland**
List Number: 1
Creator: Vasquez, Julisa

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 2/7/2025 9:10:35 AM Revision 1

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

880-54068-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/7/2025 9:10:35 AM
Revision 1

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 880-54068-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 880-54068-1
Project: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1 Eurofins Midland

Job Narrative
880-54068-1

Revision
The report being provided is a revision of the original report sent on 2/6/2025. The report (revision 1) is being revised due to: sample ID corrected: Cell 17-Square 22-E-6-250204.

Receipt
The sample was received on 2/4/2025 5:17 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.3º C.

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

GC Semi VOA
Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102036 and analytical batch 880-102052 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

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

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

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17-Square 22-E-6-250204 Lab Sample ID: 880-54068-1

Date Collected: 02/04/25 12:01 **Matrix: Solid**
Date Received: 02/04/25 17:17 **Percent Solids: 92.5**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00150	U	0.00215	0.00150	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1
Toluene	0.00215	U	0.00215	0.00215	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1
Ethylbenzene	0.00117	U	0.00215	0.00117	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1
m-Xylene & p-Xylene	0.00246	U	0.00431	0.00246	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1
o-Xylene	0.00171	U	0.00215	0.00171	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1
Xylenes, Total	0.00246	U	0.00431	0.00246	mg/Kg	☼	02/05/25 08:10	02/05/25 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:54*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.6	U	53.8	15.6	mg/Kg	☼	02/05/25 08:10	02/05/25 11:05	1
Diesel Range Organics (Over C10-C28)	16.3	U	53.8	16.3	mg/Kg	☼	02/05/25 08:10	02/05/25 11:05	1
Oil Range Organics (Over C28-C36)	16.3	U	53.8	16.3	mg/Kg	☼	02/05/25 08:10	02/05/25 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:05*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**482**		10.8	0.425	mg/Kg	☼		02/05/25 11:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**7.54**		0.100	0.100	%			02/05/25 10:12	1
Percent Solids (ASTM D2216)	**92.5**	**b**	0.100	0.100	%			02/05/25 10:12	1

Surrogate Summary

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-54068-1	Cell 17-Square 22-E-6-250204	116	97
LCS 880-102037/1-A	Lab Control Sample	99	107
LCSD 880-102037/2-A	Lab Control Sample Dup	94	104
MB 880-102037/5-A	Method Blank	108	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-54068-1	Cell 17-Square 22-E-6-250204	92	81
LCS 880-102036/2-A	Lab Control Sample	88	78
LCSD 880-102036/3-A	Lab Control Sample Dup	94	84
MB 880-102036/1-A	Method Blank	99	89

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102037/5-A
Matrix: Solid
Analysis Batch: 102040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U	0.00200	0.00139	mg/Kg		02/05/25 08:10	02/05/25 11:12	1
Toluene	0.00200	U	0.00200	0.00200	mg/Kg		02/05/25 08:10	02/05/25 11:12	1
Ethylbenzene	0.00109	U	0.00200	0.00109	mg/Kg		02/05/25 08:10	02/05/25 11:12	1
m-Xylene & p-Xylene	0.00229	U	0.00400	0.00229	mg/Kg		02/05/25 08:10	02/05/25 11:12	1
o-Xylene	0.00158	U	0.00200	0.00158	mg/Kg		02/05/25 08:10	02/05/25 11:12	1
Xylenes, Total	0.00229	U	0.00400	0.00229	mg/Kg		02/05/25 08:10	02/05/25 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:12*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/05/25 08:10*	*02/05/25 11:12*	*1*

Lab Sample ID: LCS 880-102037/1-A
Matrix: Solid
Analysis Batch: 102040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1086		mg/Kg		109	70 - 130
Toluene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.09870		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-102037/2-A
Matrix: Solid
Analysis Batch: 102040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102037

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1045		mg/Kg		105	70 - 130	4	35
Toluene	0.100	0.1052		mg/Kg		105	70 - 130	3	35
Ethylbenzene	0.100	0.09474		mg/Kg		95	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1962		mg/Kg		98	70 - 130	5	35
o-Xylene	0.100	0.09847		mg/Kg		98	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1

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

Lab Sample ID: MB 880-102036/1-A
Matrix: Solid
Analysis Batch: 102052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		02/05/25 08:10	02/05/25 05:08	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		02/05/25 08:10	02/05/25 05:08	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		02/05/25 08:10	02/05/25 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/05/25 08:10*	*02/05/25 05:08*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/05/25 08:10*	*02/05/25 05:08*	*1*

Lab Sample ID: LCS 880-102036/2-A
Matrix: Solid
Analysis Batch: 102052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.1		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-102036/3-A
Matrix: Solid
Analysis Batch: 102052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 102036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1043		mg/Kg		104	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*84*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102045/1-A
Matrix: Solid
Analysis Batch: 102048

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.395	U	10.0	0.395	mg/Kg			02/05/25 09:50	1

QC Sample Results

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102045/2-A
Matrix: Solid
Analysis Batch: 102048

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	228.5		mg/Kg		91	90 - 110		

Lab Sample ID: LCSD 880-102045/3-A
Matrix: Solid
Analysis Batch: 102048

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	226.9		mg/Kg		91	90 - 110	1	20

Method: D2216 - Percent Moisture

Lab Sample ID: MB 880-102060/1
Matrix: Solid
Analysis Batch: 102060

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.100	U	0.100	0.100	%			02/05/25 10:12	1
Percent Solids	100		0.100	0.100	%			02/05/25 10:12	1

Lab Sample ID: 880-54068-1 DU
Matrix: Solid
Analysis Batch: 102060

Client Sample ID: Cell 17-Square 22-E-6-250204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	7.54			7.35		%				3	20
Percent Solids	92.5	b		92.7		%				0.2	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

GC VOA

Prep Batch: 102037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Total/NA	Solid	5030B	
MB 880-102037/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-102037/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-102037/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

Analysis Batch: 102040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Total/NA	Solid	8021B	102037
MB 880-102037/5-A	Method Blank	Total/NA	Solid	8021B	102037
LCS 880-102037/1-A	Lab Control Sample	Total/NA	Solid	8021B	102037
LCSD 880-102037/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102037

GC Semi VOA

Prep Batch: 102036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Total/NA	Solid	8015NM Prep	
MB 880-102036/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102036/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Total/NA	Solid	8015B NM	102036
MB 880-102036/1-A	Method Blank	Total/NA	Solid	8015B NM	102036
LCS 880-102036/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102036
LCSD 880-102036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102036

HPLC/IC

Leach Batch: 102045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Soluble	Solid	DI Leach	
MB 880-102045/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102045/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102045/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 102048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Soluble	Solid	300.0	102045
MB 880-102045/1-A	Method Blank	Soluble	Solid	300.0	102045
LCS 880-102045/2-A	Lab Control Sample	Soluble	Solid	300.0	102045
LCSD 880-102045/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102045

General Chemistry

Analysis Batch: 102060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54068-1	Cell 17-Square 22-E-6-250204	Total/NA	Solid	D2216	
MB 880-102060/1	Method Blank	Total/NA	Solid	D2216	
880-54068-1 DU	Cell 17-Square 22-E-6-250204	Total/NA	Solid	D2216	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell 17-Square 22-E-6-250204 Lab Sample ID: 880-54068-1

Date Collected: 02/04/25 12:01 **Matrix: Solid**
Date Received: 02/04/25 17:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102060	02/05/25 10:12	SMC	EET MID

Client Sample ID: Cell 17-Square 22-E-6-250204 Lab Sample ID: 880-54068-1

Date Collected: 02/04/25 12:01 **Matrix: Solid**
Date Received: 02/04/25 17:17 **Percent Solids: 92.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	102037	02/05/25 08:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102040	02/05/25 11:54	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102036	02/05/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102052	02/05/25 11:05	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	102045	02/05/25 08:19	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102048	02/05/25 11:07	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: Arcadis US Inc. Job ID: 880-54068-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 880-54068-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54068-1	Cell 17-Square 22-E-6-250204	Solid	02/04/25 12:01	02/04/25 17:17

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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Client Information	Sampler: Terry S. Longwell	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 860-36208-12103.1
Client Contact: Sarah Johnson	Phone: 432-288-0876	E-Mail: Sachin.Kudchadkar@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Arcadis US Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24 hr TAT			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 303-316-6506(Tel)	PO #: PN 3027704			
Email: sarah.johnson@arcadis.com	WO #:			
Project Name: Chevron - Jal Land Farm Soils	Project #: 86001348			
Site:	SSOW#:			

880-54068 Chain of Custody

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM - Full TPH	300_ORGFM_28D - Chloride	30218 - BTEX	MOISTURE_2540G - Percent Moisture	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X	N	N	N	N	X	
Cell A-Square 22-E-6-250204	02/04/25 ~~Test~~ 05	1201	G	Solid			X	X	X	X	1	
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		02/04/25 / 1717	ARCADIS	Teddy Rowell	2/4/25 1717	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 5.4/5.3°C IR-8 (-0.1)

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-54068-1

Login Number: 54068 **List Source: Eurofins Midland**
List Number: 1
Creator: Vasquez, Julisa

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 2/6/2025 5:29:08 PM

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

880-54131-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/6/2025 5:29:08 PM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 880-54131-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyte was not detected at or above the SDL.

GC Semi VOA

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

HPLC/IC

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

General Chemistry

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 880-54131-1
Project: Chevron - Jal Land Farm Soils

Job ID: 880-54131-1 Eurofins Midland

Job Narrative
880-54131-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 2/5/2025 5:12 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 2.5°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: Borrow-S-250205 (880-54131-1), Cell21-Square 150-E-6-250205 (880-54131-2), Cell21-Square 89-E-5-250205 (880-54131-3) and Cell21-Square-44-E-5-250205 (880-54131-4).

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: Cell21-Square 150-E-6-250205 (880-54131-2) and Cell21-Square-44-E-5-250205 (880-54131-4). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (880-54131-A-1-F MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102119 and analytical batch 880-102154 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

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

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Borrow-S-250205 Lab Sample ID: 880-54131-1

Date Collected: 02/05/25 09:02 Matrix: Solid
Date Received: 02/05/25 17:12 Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00172	U	0.00246	0.00172	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1
Toluene	0.00246	U	0.00246	0.00246	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1
Ethylbenzene	0.00134	U *	0.00246	0.00134	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1
m-Xylene & p-Xylene	0.00282	U	0.00493	0.00282	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1
o-Xylene	0.00195	U	0.00246	0.00195	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1
Xylenes, Total	0.00282	U	0.00493	0.00282	mg/Kg	☼	02/05/25 20:40	02/06/25 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/05/25 20:40*	*02/06/25 04:47*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*02/05/25 20:40*	*02/06/25 04:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.8	U	61.3	17.8	mg/Kg	☼	02/05/25 20:26	02/06/25 09:44	1
Diesel Range Organics (Over C10-C28)	18.6	U	61.3	18.6	mg/Kg	☼	02/05/25 20:26	02/06/25 09:44	1
Oil Range Organics (Over C28-C36)	18.6	U	61.3	18.6	mg/Kg	☼	02/05/25 20:26	02/06/25 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/05/25 20:26*	*02/06/25 09:44*	*1*
o-Terphenyl	*66*	*X*	*70 - 130*	*02/05/25 20:26*	*02/06/25 09:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.4**		12.3	0.487	mg/Kg	☼		02/06/25 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**18.5**		0.100	0.100	%			02/05/25 17:40	1
Percent Solids (ASTM D2216)	**81.5**	**b**	0.100	0.100	%			02/05/25 17:40	1

Client Sample ID: Cell21-Square 150-E-6-250205 Lab Sample ID: 880-54131-2

Date Collected: 02/05/25 10:48 Matrix: Solid
Date Received: 02/05/25 17:12 Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00148	U	0.00213	0.00148	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1
Toluene	0.00213	U	0.00213	0.00213	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1
Ethylbenzene	0.00116	U *	0.00213	0.00116	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1
m-Xylene & p-Xylene	0.00244	U	0.00427	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1
o-Xylene	0.00169	U	0.00213	0.00169	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1
Xylenes, Total	0.00244	U	0.00427	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:07*	*1*

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell21-Square 150-E-6-250205 Lab Sample ID: 880-54131-2

Date Collected: 02/05/25 10:48 Matrix: Solid
Date Received: 02/05/25 17:12 Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.5	U	53.4	15.5	mg/Kg	☼	02/05/25 20:26	02/06/25 10:33	1
Diesel Range Organics (Over C10-C28)	16.2	U	53.4	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 10:33	1
Oil Range Organics (Over C28-C36)	16.2	U	53.4	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/05/25 20:26*	*02/06/25 10:33*	*1*
o-Terphenyl	*66*	*X*	*70 - 130*	*02/05/25 20:26*	*02/06/25 10:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.4**		10.7	0.423	mg/Kg	☼		02/06/25 10:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**6.61**		0.100	0.100	%			02/05/25 17:40	1
Percent Solids (ASTM D2216)	**93.4**	**b**	0.100	0.100	%			02/05/25 17:40	1

Client Sample ID: Cell21-Square 89-E-5-250205 Lab Sample ID: 880-54131-3

Date Collected: 02/05/25 12:43 Matrix: Solid
Date Received: 02/05/25 17:12 Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00149	U	0.00214	0.00149	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1
Toluene	0.00214	U	0.00214	0.00214	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1
Ethylbenzene	0.00116	U *	0.00214	0.00116	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1
m-Xylene & p-Xylene	0.00244	U	0.00428	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1
o-Xylene	0.00169	U	0.00214	0.00169	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1
Xylenes, Total	0.00244	U	0.00428	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:28*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.6	U	53.5	15.6	mg/Kg	☼	02/05/25 20:26	02/06/25 10:49	1
Diesel Range Organics (Over C10-C28)	16.2	U	53.5	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 10:49	1
Oil Range Organics (Over C28-C36)	16.2	U	53.5	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/05/25 20:26*	*02/06/25 10:49*	*1*
o-Terphenyl	*65*	*X*	*70 - 130*	*02/05/25 20:26*	*02/06/25 10:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.64**	**J**	10.8	0.428	mg/Kg	☼		02/06/25 10:22	1

Client Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell21-Square 89-E-5-250205 Lab Sample ID: 880-54131-3

Date Collected: 02/05/25 12:43 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 92.9**

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	7.06		0.100	0.100	%			02/05/25 17:40	1
Percent Solids (ASTM D2216)	92.9	b	0.100	0.100	%			02/05/25 17:40	1

Client Sample ID: Cell21-Square-44-E-5-250205 Lab Sample ID: 880-54131-4

Date Collected: 02/05/25 13:48 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 93.6**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00148	U	0.00213	0.00148	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1
Toluene	0.00213	U	0.00213	0.00213	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1
Ethylbenzene	0.00116	U *	0.00213	0.00116	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1
m-Xylene & p-Xylene	0.00244	U	0.00426	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1
o-Xylene	0.00169	U	0.00213	0.00169	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1
Xylenes, Total	0.00244	U	0.00426	0.00244	mg/Kg	☼	02/05/25 20:40	02/06/25 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:48*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/05/25 20:40*	*02/06/25 05:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.5	U	53.4	15.5	mg/Kg	☼	02/05/25 20:26	02/06/25 11:06	1
Diesel Range Organics (Over C10-C28)	16.2	U	53.4	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 11:06	1
Oil Range Organics (Over C28-C36)	16.2	U	53.4	16.2	mg/Kg	☼	02/05/25 20:26	02/06/25 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/05/25 20:26*	*02/06/25 11:06*	*1*
o-Terphenyl	*66*	*X*	*70 - 130*	*02/05/25 20:26*	*02/06/25 11:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.54	J	10.6	0.419	mg/Kg	☼		02/06/25 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	6.40		0.100	0.100	%			02/05/25 17:40	1
Percent Solids (ASTM D2216)	93.6	b	0.100	0.100	%			02/05/25 17:40	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-54131-1	Borrow-S-250205	87	86
880-54131-2	Cell21-Square 150-E-6-250205	97	92
880-54131-3	Cell21-Square 89-E-5-250205	96	92
880-54131-4	Cell21-Square-44-E-5-250205	100	91
LCS 880-102116/1-A	Lab Control Sample	116	100
LCSD 880-102116/2-A	Lab Control Sample Dup	123	93
MB 880-102116/5-A	Method Blank	92	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-54131-1	Borrow-S-250205	70	66 X
880-54131-1 MS	Borrow-S-250205	67 X	68 X
880-54131-1 MSD	Borrow-S-250205	69 X	67 X
880-54131-2	Cell21-Square 150-E-6-250205	72	66 X
880-54131-3	Cell21-Square 89-E-5-250205	70	65 X
880-54131-4	Cell21-Square-44-E-5-250205	72	66 X
LCS 880-102119/2-A	Lab Control Sample	74	77
LCSD 880-102119/3-A	Lab Control Sample Dup	74	76
MB 880-102119/1-A	Method Blank	99	92

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102116/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102043 **Prep Batch: 102116**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U	0.00200	0.00139	mg/Kg		02/05/25 20:40	02/05/25 23:56	1
Toluene	0.00200	U	0.00200	0.00200	mg/Kg		02/05/25 20:40	02/05/25 23:56	1
Ethylbenzene	0.00109	U	0.00200	0.00109	mg/Kg		02/05/25 20:40	02/05/25 23:56	1
m-Xylene & p-Xylene	0.00229	U	0.00400	0.00229	mg/Kg		02/05/25 20:40	02/05/25 23:56	1
o-Xylene	0.00158	U	0.00200	0.00158	mg/Kg		02/05/25 20:40	02/05/25 23:56	1
Xylenes, Total	0.00229	U	0.00400	0.00229	mg/Kg		02/05/25 20:40	02/05/25 23:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/05/25 20:40*	*02/05/25 23:56*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/05/25 20:40*	*02/05/25 23:56*	*1*

Lab Sample ID: LCS 880-102116/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102043 **Prep Batch: 102116**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09881		mg/Kg		99	70 - 130		
Toluene			0.100	0.09850		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2281		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1116		mg/Kg		112	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-102116/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102043 **Prep Batch: 102116**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1046		mg/Kg		105	70 - 130	6	35
Toluene			0.100	0.1072		mg/Kg		107	70 - 130	8	35
Ethylbenzene			0.100	0.1313	*	mg/Kg		131	70 - 130	25	35
m-Xylene & p-Xylene			0.200	0.2491		mg/Kg		125	70 - 130	9	35
o-Xylene			0.100	0.1223		mg/Kg		122	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 880-102119/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	14.5	U	50.0	14.5	mg/Kg		02/05/25 20:21	02/06/25 05:08	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		02/05/25 20:21	02/06/25 05:08	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		02/05/25 20:21	02/06/25 05:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/05/25 20:21*	*02/06/25 05:08*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/05/25 20:21*	*02/06/25 05:08*	*1*

Lab Sample ID: LCS 880-102119/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	898.4		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	908.2		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: LCSD 880-102119/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	752.0		mg/Kg		75	70 - 130	18	20
Diesel Range Organics (Over C10-C28)			1000	764.9		mg/Kg		76	70 - 130	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*74*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 880-54131-1 MS **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	17.8	U	1230	820.7	N1	mg/Kg	☼	67	70 - 130		
Diesel Range Organics (Over C10-C28)	18.6	U	1230	810.0	N1	mg/Kg	☼	66	70 - 130		

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: 880-54131-1 MS **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	67	X	70 - 130
o-Terphenyl	68	X	70 - 130

Lab Sample ID: 880-54131-1 MSD **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102154 **Prep Batch: 102119**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	17.8	U	1230	851.5	N1	mg/Kg	☼	69	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	18.6	U	1230	796.4	N1	mg/Kg	☼	65	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	69	X	70 - 130
o-Terphenyl	67	X	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102134/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.395	U	10.0	0.395	mg/Kg			02/06/25 09:40	1

Lab Sample ID: LCS 880-102134/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.8		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-102134/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.4		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-54131-1 MS **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	75.4		308	410.1		mg/Kg	☼	109	90 - 110

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54131-1 MSD **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75.4		308	411.7		mg/Kg	☼	109	90 - 110	0	20

Method: D2216 - Percent Moisture

Lab Sample ID: MB 880-102118/1 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102118

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.100	U	0.100	0.100	%			02/05/25 17:40	1
Percent Solids	100		0.100	0.100	%			02/05/25 17:40	1

Lab Sample ID: 880-54131-1 DU **Client Sample ID: Borrow-S-250205**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102118

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	18.5		18.3		%		1	20
Percent Solids	81.5	b	81.7		%		0.3	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

GC VOA

Analysis Batch: 102043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Total/NA	Solid	8021B	102116
880-54131-2	Cell21-Square 150-E-6-250205	Total/NA	Solid	8021B	102116
880-54131-3	Cell21-Square 89-E-5-250205	Total/NA	Solid	8021B	102116
880-54131-4	Cell21-Square-44-E-5-250205	Total/NA	Solid	8021B	102116
MB 880-102116/5-A	Method Blank	Total/NA	Solid	8021B	102116
LCS 880-102116/1-A	Lab Control Sample	Total/NA	Solid	8021B	102116
LCSD 880-102116/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102116

Prep Batch: 102116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Total/NA	Solid	5030B	
880-54131-2	Cell21-Square 150-E-6-250205	Total/NA	Solid	5030B	
880-54131-3	Cell21-Square 89-E-5-250205	Total/NA	Solid	5030B	
880-54131-4	Cell21-Square-44-E-5-250205	Total/NA	Solid	5030B	
MB 880-102116/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-102116/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-102116/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 102119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Total/NA	Solid	8015NM Prep	
880-54131-2	Cell21-Square 150-E-6-250205	Total/NA	Solid	8015NM Prep	
880-54131-3	Cell21-Square 89-E-5-250205	Total/NA	Solid	8015NM Prep	
880-54131-4	Cell21-Square-44-E-5-250205	Total/NA	Solid	8015NM Prep	
MB 880-102119/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102119/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54131-1 MS	Borrow-S-250205	Total/NA	Solid	8015NM Prep	
880-54131-1 MSD	Borrow-S-250205	Total/NA	Solid	8015NM Prep	

Analysis Batch: 102154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Total/NA	Solid	8015B NM	102119
880-54131-2	Cell21-Square 150-E-6-250205	Total/NA	Solid	8015B NM	102119
880-54131-3	Cell21-Square 89-E-5-250205	Total/NA	Solid	8015B NM	102119
880-54131-4	Cell21-Square-44-E-5-250205	Total/NA	Solid	8015B NM	102119
MB 880-102119/1-A	Method Blank	Total/NA	Solid	8015B NM	102119
LCS 880-102119/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102119
LCSD 880-102119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102119
880-54131-1 MS	Borrow-S-250205	Total/NA	Solid	8015B NM	102119
880-54131-1 MSD	Borrow-S-250205	Total/NA	Solid	8015B NM	102119

HPLC/IC

Leach Batch: 102134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Soluble	Solid	DI Leach	
880-54131-2	Cell21-Square 150-E-6-250205	Soluble	Solid	DI Leach	
880-54131-3	Cell21-Square 89-E-5-250205	Soluble	Solid	DI Leach	
880-54131-4	Cell21-Square-44-E-5-250205	Soluble	Solid	DI Leach	

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

HPLC/IC (Continued)

Leach Batch: 102134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-102134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54131-1 MS	Borrow-S-250205	Soluble	Solid	DI Leach	
880-54131-1 MSD	Borrow-S-250205	Soluble	Solid	DI Leach	

Analysis Batch: 102145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Soluble	Solid	300.0	102134
880-54131-2	Cell21-Square 150-E-6-250205	Soluble	Solid	300.0	102134
880-54131-3	Cell21-Square 89-E-5-250205	Soluble	Solid	300.0	102134
880-54131-4	Cell21-Square-44-E-5-250205	Soluble	Solid	300.0	102134
MB 880-102134/1-A	Method Blank	Soluble	Solid	300.0	102134
LCS 880-102134/2-A	Lab Control Sample	Soluble	Solid	300.0	102134
LCSD 880-102134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102134
880-54131-1 MS	Borrow-S-250205	Soluble	Solid	300.0	102134
880-54131-1 MSD	Borrow-S-250205	Soluble	Solid	300.0	102134

General Chemistry

Analysis Batch: 102118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54131-1	Borrow-S-250205	Total/NA	Solid	D2216	
880-54131-2	Cell21-Square 150-E-6-250205	Total/NA	Solid	D2216	
880-54131-3	Cell21-Square 89-E-5-250205	Total/NA	Solid	D2216	
880-54131-4	Cell21-Square-44-E-5-250205	Total/NA	Solid	D2216	
MB 880-102118/1	Method Blank	Total/NA	Solid	D2216	
880-54131-1 DU	Borrow-S-250205	Total/NA	Solid	D2216	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Borrow-S-250205 Lab Sample ID: 880-54131-1

Date Collected: 02/05/25 09:02 **Matrix: Solid**
Date Received: 02/05/25 17:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102118	02/05/25 17:40	CH	EET MID

Client Sample ID: Borrow-S-250205 Lab Sample ID: 880-54131-1

Date Collected: 02/05/25 09:02 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			4.98 g	5 mL	102116	02/05/25 20:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102043	02/06/25 04:47	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	102119	02/05/25 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102154	02/06/25 09:44	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102134	02/06/25 07:59	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102145	02/06/25 09:58	CH	EET MID

Client Sample ID: Cell21-Square 150-E-6-250205 Lab Sample ID: 880-54131-2

Date Collected: 02/05/25 10:48 **Matrix: Solid**
Date Received: 02/05/25 17:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102118	02/05/25 17:40	CH	EET MID

Client Sample ID: Cell21-Square 150-E-6-250205 Lab Sample ID: 880-54131-2

Date Collected: 02/05/25 10:48 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 93.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5 mL	102116	02/05/25 20:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102043	02/06/25 05:07	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	102119	02/05/25 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102154	02/06/25 10:33	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	102134	02/06/25 07:59	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102145	02/06/25 10:16	CH	EET MID

Client Sample ID: Cell21-Square 89-E-5-250205 Lab Sample ID: 880-54131-3

Date Collected: 02/05/25 12:43 **Matrix: Solid**
Date Received: 02/05/25 17:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102118	02/05/25 17:40	CH	EET MID

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell21-Square 89-E-5-250205 Lab Sample ID: 880-54131-3

Date Collected: 02/05/25 12:43 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 92.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	102116	02/05/25 20:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102043	02/06/25 05:28	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	102119	02/05/25 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102154	02/06/25 10:49	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	102134	02/06/25 07:59	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102145	02/06/25 10:22	CH	EET MID

Client Sample ID: Cell21-Square-44-E-5-250205 Lab Sample ID: 880-54131-4

Date Collected: 02/05/25 13:48 **Matrix: Solid**
Date Received: 02/05/25 17:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102118	02/05/25 17:40	CH	EET MID

Client Sample ID: Cell21-Square-44-E-5-250205 Lab Sample ID: 880-54131-4

Date Collected: 02/05/25 13:48 **Matrix: Solid**
Date Received: 02/05/25 17:12 **Percent Solids: 93.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	102116	02/05/25 20:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102043	02/06/25 05:48	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	102119	02/05/25 20:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102154	02/06/25 11:06	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	102134	02/06/25 07:59	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102145	02/06/25 10:28	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: Arcadis US Inc. Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Job ID: 880-54131-1
Project/Site: Chevron - Jal Land Farm Soils

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54131-1	Borrow-S-250205	Solid	02/05/25 09:02	02/05/25 17:12
880-54131-2	Cell21-Square 150-E-6-250205	Solid	02/05/25 10:48	02/05/25 17:12
880-54131-3	Cell21-Square 89-E-5-250205	Solid	02/05/25 12:43	02/05/25 17:12
880-54131-4	Cell21-Square-44-E-5-250205	Solid	02/05/25 13:48	02/05/25 17:12

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

880-54131 Chain of Custody

Client Information	Sampler: Tony S. Longwell	Lab PM: Kudchadkar, Sachin G	Carrier Tracking:	
Client Contact: Sarah Johnson	Phone: 432-788-0876	E-Mail: Sachin.Kudchadkar@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Arcadis US Inc.	PWSID:	Analysis Requested		Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			Preservation Codes: N - None
City: Midland	TAT Requested (days): 24 hr TAT			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 303-316-6506(Tel)	PO #: PN 3027704			
Email: sarah.johnson@arcadis.com	WO #:			Other:
Project Name: Chevron - Jal Land Farm Soils	Project #: 86001348			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM - Full TPH	300_ORGFM_28D - Chloride	8021B - BTEX	MOISTURE_2540G - Percent Moisture	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	N		
Borrow-S-250205	02/05/25	0902	C	Solid			X	X	X	X	2	
Cell21-Square-150-E-6-250205	02/05/25	1148	C	Solid			X	X	X	X	2	
Cell21-Square-89-E-5-250205	02/05/25	1243	C	Solid			X	X	X	X	2	
Cell21-Square-44-E-5-250205	02/05/25	1348	C	Solid			X	X	X	X	2	
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 02/05/25 1706	Company	Received by:	Date/Time: 2.5.25 1700	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6/2.5

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-54131-1

Login Number: 54131 **List Source: Eurofins Midland**
List Number: 1
Creator: Lee, Randell

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 2/7/2025 5:04:07 PM

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

880-54170-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
2/7/2025 5:04:07 PM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 880-54170-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

GC Semi VOA

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

HPLC/IC

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

General Chemistry

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 880-54170-1
Project: Chevron - Jal Land Farm Soils

Job ID: 880-54170-1 Eurofins Midland

Job Narrative
880-54170-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 2/6/2025 5:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

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

Diesel Range Organics
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: Cell21-Square125-E-5-250206 (880-54170-1), Cell18-Square180-E-5-250206 (880-54170-2), (890-7643-A-1-F MS) and (890-7643-A-1-G MSD). Evidence of matrix interferences is not obvious.

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

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

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

Client Sample Results

Client: Arcadis US Inc.
Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell21-Square125-E-5-250206
Lab Sample ID: 880-54170-1
Date Collected: 02/06/25 12:18
Matrix: Solid
Date Received: 02/06/25 17:07
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00158	U	0.00228	0.00158	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1
Toluene	0.00227	U	0.00228	0.00227	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1
Ethylbenzene	0.00124	U	0.00228	0.00124	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1
m-Xylene & p-Xylene	0.00260	U	0.00455	0.00260	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1
o-Xylene	0.00180	U	0.00228	0.00180	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1
Xylenes, Total	0.00260	U	0.00455	0.00260	mg/Kg	☼	02/07/25 09:06	02/07/25 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/07/25 09:06*	*02/07/25 12:02*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/07/25 09:06*	*02/07/25 12:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.6	U	57.0	16.6	mg/Kg	☼	02/07/25 08:37	02/07/25 15:03	1
Diesel Range Organics (Over C10-C28)	17.2	U	57.0	17.2	mg/Kg	☼	02/07/25 08:37	02/07/25 15:03	1
Oil Range Organics (Over C28-C36)	17.2	U	57.0	17.2	mg/Kg	☼	02/07/25 08:37	02/07/25 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/07/25 08:37*	*02/07/25 15:03*	*1*
o-Terphenyl	*61*	*X*	*70 - 130*	*02/07/25 08:37*	*02/07/25 15:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.53**	**J**	11.5	0.454	mg/Kg	☼		02/07/25 12:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**12.6**		0.100	0.100	%			02/07/25 08:35	1
Percent Solids (ASTM D2216)	**87.4**	**b**	0.100	0.100	%			02/07/25 08:35	1

Client Sample ID: Cell18-Square180-E-5-250206
Lab Sample ID: 880-54170-2
Date Collected: 02/06/25 14:05
Matrix: Solid
Date Received: 02/06/25 17:07
Percent Solids: 74.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00186	U	0.00268	0.00186	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1
Toluene	0.00268	U	0.00268	0.00268	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1
Ethylbenzene	0.00146	U	0.00268	0.00146	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1
m-Xylene & p-Xylene	0.00306	U	0.00535	0.00306	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1
o-Xylene	0.00212	U	0.00268	0.00212	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1
Xylenes, Total	0.00306	U	0.00535	0.00306	mg/Kg	☼	02/07/25 09:06	02/07/25 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/07/25 09:06*	*02/07/25 12:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/07/25 09:06*	*02/07/25 12:23*	*1*

Client Sample Results

Client: Arcadis US Inc.
Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell18-Square180-E-5-250206
Lab Sample ID: 880-54170-2
Date Collected: 02/06/25 14:05
Matrix: Solid
Date Received: 02/06/25 17:07
Percent Solids: 74.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.4	U	66.7	19.4	mg/Kg	☼	02/07/25 08:37	02/07/25 15:18	1
Diesel Range Organics (Over C10-C28)	20.2	U	66.7	20.2	mg/Kg	☼	02/07/25 08:37	02/07/25 15:18	1
Oil Range Organics (Over C28-C36)	20.2	U	66.7	20.2	mg/Kg	☼	02/07/25 08:37	02/07/25 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*02/07/25 08:37*	*02/07/25 15:18*	*1*
o-Terphenyl	*62*	*X*	*70 - 130*	*02/07/25 08:37*	*02/07/25 15:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.26**	**J**	13.5	0.535	mg/Kg	☼		02/07/25 13:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D2216)	**25.4**		0.100	0.100	%			02/07/25 08:35	1
Percent Solids (ASTM D2216)	**74.6**	**b**	0.100	0.100	%			02/07/25 08:35	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-54170-1	Cell21-Square125-E-5-250206	104	99										
880-54170-2	Cell18-Square180-E-5-250206	97	101										
LCS 880-102262/1-A	Lab Control Sample	100	113										
LCSD 880-102262/2-A	Lab Control Sample Dup	92	113										
MB 880-102262/5-A	Method Blank	101	98										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-54170-1	Cell21-Square125-E-5-250206	70	61 X										
880-54170-2	Cell18-Square180-E-5-250206	70	62 X										
LCS 880-102250/2-A	Lab Control Sample	88	75										
LCSD 880-102250/3-A	Lab Control Sample Dup	93	79										
MB 880-102250/1-A	Method Blank	121	108										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102262/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102232 **Prep Batch: 102262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00139	U	0.00200	0.00139	mg/Kg		02/07/25 09:06	02/07/25 10:59	1
Toluene	0.00200	U	0.00200	0.00200	mg/Kg		02/07/25 09:06	02/07/25 10:59	1
Ethylbenzene	0.00109	U	0.00200	0.00109	mg/Kg		02/07/25 09:06	02/07/25 10:59	1
m-Xylene & p-Xylene	0.00229	U	0.00400	0.00229	mg/Kg		02/07/25 09:06	02/07/25 10:59	1
o-Xylene	0.00158	U	0.00200	0.00158	mg/Kg		02/07/25 09:06	02/07/25 10:59	1
Xylenes, Total	0.00229	U	0.00400	0.00229	mg/Kg		02/07/25 09:06	02/07/25 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/07/25 09:06*	*02/07/25 10:59*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/07/25 09:06*	*02/07/25 10:59*	*1*

Lab Sample ID: LCS 880-102262/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102232 **Prep Batch: 102262**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09314		mg/Kg		93	70 - 130		
Toluene			0.100	0.08069		mg/Kg		81	70 - 130		
Ethylbenzene			0.100	0.08787		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1821		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09119		mg/Kg		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-102262/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102232 **Prep Batch: 102262**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09697		mg/Kg		97	70 - 130	4	35
Toluene			0.100	0.08339		mg/Kg		83	70 - 130	3	35
Ethylbenzene			0.100	0.09090		mg/Kg		91	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1878		mg/Kg		94	70 - 130	3	35
o-Xylene			0.100	0.09356		mg/Kg		94	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 880-102250/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102248 **Prep Batch: 102250**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.63	J	50.0	14.5	mg/Kg		02/07/25 08:37	02/07/25 09:22	1
Diesel Range Organics (Over C10-C28)	15.1	U	50.0	15.1	mg/Kg		02/07/25 08:37	02/07/25 09:22	1
Oil Range Organics (Over C28-C36)	15.1	U	50.0	15.1	mg/Kg		02/07/25 08:37	02/07/25 09:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/07/25 08:37*	*02/07/25 09:22*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/07/25 08:37*	*02/07/25 09:22*	*1*

Lab Sample ID: LCS 880-102250/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102248 **Prep Batch: 102250**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1006		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: LCSD 880-102250/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 102248 **Prep Batch: 102250**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1138		mg/Kg		114	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102249/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 102271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.395	U	10.0	0.395	mg/Kg			02/07/25 12:40	1

QC Sample Results

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102249/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.9		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-102249/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259.9		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-54170-1 MS — **Client Sample ID: Cell21-Square125-E-5-250206**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4.53	J	287	314.1		mg/Kg	☼	108	90 - 110		

Lab Sample ID: 880-54170-1 MSD — **Client Sample ID: Cell21-Square125-E-5-250206**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 102271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.53	J	287	313.6		mg/Kg	☼	108	90 - 110	0	20

Method: D2216 - Percent Moisture

Lab Sample ID: MB 880-102246/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.100	U	0.100	0.100	%			02/07/25 08:35	1
Percent Solids	100		0.100	0.100	%			02/07/25 08:35	1

Lab Sample ID: 880-54170-1 DU — **Client Sample ID: Cell21-Square125-E-5-250206**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102246

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12.6		12.4		%		2	20
Percent Solids	87.4	b	87.6		%		0.2	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

GC VOA

Analysis Batch: 102232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Total/NA	Solid	8021B	102262
880-54170-2	Cell18-Square180-E-5-250206	Total/NA	Solid	8021B	102262
MB 880-102262/5-A	Method Blank	Total/NA	Solid	8021B	102262
LCS 880-102262/1-A	Lab Control Sample	Total/NA	Solid	8021B	102262
LCSD 880-102262/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	102262

Prep Batch: 102262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Total/NA	Solid	5030B	
880-54170-2	Cell18-Square180-E-5-250206	Total/NA	Solid	5030B	
MB 880-102262/5-A	Method Blank	Total/NA	Solid	5030B	
LCS 880-102262/1-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 880-102262/2-A	Lab Control Sample Dup	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 102248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Total/NA	Solid	8015B NM	102250
880-54170-2	Cell18-Square180-E-5-250206	Total/NA	Solid	8015B NM	102250
MB 880-102250/1-A	Method Blank	Total/NA	Solid	8015B NM	102250
LCS 880-102250/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	102250
LCSD 880-102250/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	102250

Prep Batch: 102250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Total/NA	Solid	8015NM Prep	
880-54170-2	Cell18-Square180-E-5-250206	Total/NA	Solid	8015NM Prep	
MB 880-102250/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-102250/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-102250/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 102249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Soluble	Solid	DI Leach	
880-54170-2	Cell18-Square180-E-5-250206	Soluble	Solid	DI Leach	
MB 880-102249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-102249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-102249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54170-1 MS	Cell21-Square125-E-5-250206	Soluble	Solid	DI Leach	
880-54170-1 MSD	Cell21-Square125-E-5-250206	Soluble	Solid	DI Leach	

Analysis Batch: 102271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Soluble	Solid	300.0	102249
880-54170-2	Cell18-Square180-E-5-250206	Soluble	Solid	300.0	102249
MB 880-102249/1-A	Method Blank	Soluble	Solid	300.0	102249
LCS 880-102249/2-A	Lab Control Sample	Soluble	Solid	300.0	102249
LCSD 880-102249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	102249
880-54170-1 MS	Cell21-Square125-E-5-250206	Soluble	Solid	300.0	102249

QC Association Summary

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

HPLC/IC (Continued)

Analysis Batch: 102271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1 MSD	Cell21-Square125-E-5-250206	Soluble	Solid	300.0	102249

General Chemistry

Analysis Batch: 102246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54170-1	Cell21-Square125-E-5-250206	Total/NA	Solid	D2216	
880-54170-2	Cell18-Square180-E-5-250206	Total/NA	Solid	D2216	
MB 880-102246/1	Method Blank	Total/NA	Solid	D2216	
880-54170-1 DU	Cell21-Square125-E-5-250206	Total/NA	Solid	D2216	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell21-Square125-E-5-250206 Lab Sample ID: 880-54170-1

Date Collected: 02/06/25 12:18 **Matrix: Solid**
Date Received: 02/06/25 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102246	02/07/25 08:35	CH	EET MID

Client Sample ID: Cell21-Square125-E-5-250206 Lab Sample ID: 880-54170-1

Date Collected: 02/06/25 12:18 **Matrix: Solid**
Date Received: 02/06/25 17:07 **Percent Solids: 87.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.03 g	5 mL	102262	02/07/25 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102232	02/07/25 12:02	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	102250	02/07/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102248	02/07/25 15:03	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	102249	02/07/25 08:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102271	02/07/25 12:58	CH	EET MID

Client Sample ID: Cell18-Square180-E-5-250206 Lab Sample ID: 880-54170-2

Date Collected: 02/06/25 14:05 **Matrix: Solid**
Date Received: 02/06/25 17:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			102246	02/07/25 08:35	CH	EET MID

Client Sample ID: Cell18-Square180-E-5-250206 Lab Sample ID: 880-54170-2

Date Collected: 02/06/25 14:05 **Matrix: Solid**
Date Received: 02/06/25 17:07 **Percent Solids: 74.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5 mL	102262	02/07/25 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	102232	02/07/25 12:23	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	102250	02/07/25 08:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	102248	02/07/25 15:18	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	102249	02/07/25 08:36	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	102271	02/07/25 13:16	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

Method Summary

Client: Arcadis US Inc.
Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5030B	Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Job ID: 880-54170-1
Project/Site: Chevron - Jal Land Farm Soils

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54170-1	Cell21-Square125-E-5-250206	Solid	02/06/25 12:18	02/06/25 17:07
880-54170-2	Cell18-Square180-E-5-250206	Solid	02/06/25 14:05	02/06/25 17:07

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

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880-54170 Chain of Custody

Client Information	Sampler: Tony S. Longwell	Lab PM: Kuchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Sarah Johnson	Phone: 432-208-0876	E-Mail: Sachin.Kuchadkar@et.eurofinsus.com	State of Origin:
Company: Arcadis US Inc.	PWS D:	Analysis Requested	
Address: 1004 North Big Spring Suite 300	Due Date Requested:		
City: Midland	TAT Requested (days): 24hr TAT		
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No		
Phone: 303-316-6505(Tel)	PO #: PN 3027704		
Email: sarah.johnson@arcadis.com	WO #:		
Project Name: Chevron - Jal Land Farm Soils	Project #: 86001348		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Total_BTEX_GRO_DRO_ORO_NM (8015MOD_NM)	8015MOD_NM - Full TPH	300_ORGFM_28D - Chloride	8021B - BTEX	MOISTURE_2540G - Percent Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	N	N	N		
Cell 11-Square 125-E-5-250206	02/06/25	1218	C	Solid		X	X	X	X	1	
Cell 18-Square 180-E-5-250206	02/06/25	1405	C	Solid		X	X	X	X	1	
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	02/06/25 1707	ARCADIS		2-6-25 1707	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.6/4.5

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 880-54170-1

Login Number: 54170 **List Source: Eurofins Midland**
List Number: 1
Creator: Vasquez, Julisa

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Alison Schaffer
Arcadis US Inc.
630 Plaza Drive
Suite 100
Highlands Ranch, Colorado 80129-2377

Generated 1/30/2025 9:18:45 PM

JOB DESCRIPTION

Chevron - Jal Land Farm Soils

JOB NUMBER

860-92301-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

my EOL

Eurofins Houston

Job Notes

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

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

Authorization

Generated
1/30/2025 9:18:45 PM

Authorized for release by
Sachin Kudchadkar, Senior Project Manager
Sachin.Kudchadkar@et.eurofinsus.com
(281)748-9025

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Laboratory Job ID: 860-92301-1

Table of Contents

Definitions/Glossary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Analyte was not detected at or above the SDL.

Glossary

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

Case Narrative

Client: Arcadis US Inc. Job ID: 860-92301-1
Project: Chevron - Jal Land Farm Soils

Job ID: 860-92301-1 Eurofins Houston

Job Narrative
860-92301-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The sample was received on 1/29/2025 9:42 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

GC/MS VOA
Method 8260C: Sample is a bulk a jar.

Cell-17-Square24-E6-250128 (860-92301-1)

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

Diesel Range Organics
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.

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

Detection Summary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell-17-Square24-E6-250128 Lab Sample ID: 860-92301-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	484		11.0	5.51	mg/Kg	1	☼	300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell-17-Square24-E6-250128 Lab Sample ID: 860-92301-1

Date Collected: 01/28/25 16:01 **Matrix: Solid**
Date Received: 01/29/25 09:42 **Percent Solids: 90.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000419	U	0.00110	0.000419	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1
Toluene	0.00133	U	0.00548	0.00133	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1
Ethylbenzene	0.000333	U	0.00110	0.000333	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1
m,p-Xylenes	0.000474	U	0.00219	0.000474	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1
o-Xylene	0.000346	U	0.00110	0.000346	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1
Xylenes, Total	0.000474	U	0.00219	0.000474	mg/Kg	☼	01/29/25 12:40	01/29/25 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*56 - 150*	*01/29/25 12:40*	*01/29/25 15:32*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*	*01/29/25 12:40*	*01/29/25 15:32*	*1*
Dibromofluoromethane (Surr)	*93*		*53 - 142*	*01/29/25 12:40*	*01/29/25 15:32*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*	*01/29/25 12:40*	*01/29/25 15:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.2	U	55.0	23.2	mg/Kg	☼	01/29/25 12:01	01/29/25 12:59	1
Diesel Range Organics (Over C10-C28)	23.2	U	55.0	23.2	mg/Kg	☼	01/29/25 12:01	01/29/25 12:59	1
Oil Range Organics (Over C28-C36)	23.2	U	55.0	23.2	mg/Kg	☼	01/29/25 12:01	01/29/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*65 - 130*	*01/29/25 12:01*	*01/29/25 12:59*	*1*
o-Terphenyl	*88*		*65 - 130*	*01/29/25 12:01*	*01/29/25 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**484**		11.0	5.51	mg/Kg	☼	01/29/25 14:47	01/29/25 20:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**				%			01/30/25 14:18	1
Percent Solids (EPA Moisture)	**90.8**				%			01/30/25 14:18	1

Surrogate Summary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
860-92301-1	Cell-17-Square24-E6-250128	120	95	93	92
LCS 860-213378/3	Lab Control Sample	98	101	97	100
LCSD 860-213378/4	Lab Control Sample Dup	94	103	94	99
MB 860-213378/9	Method Blank	112	94	99	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(65-130)	(65-130)
860-92301-1	Cell-17-Square24-E6-250128	93	88
LCS 860-213262/2-A	Lab Control Sample	107	119
LCSD 860-213262/3-A	Lab Control Sample Dup	110	118
MB 860-213262/1-A	Method Blank	103	97

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 860-213378/9 **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 213378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000383	U	0.00100	0.000383	mg/Kg			01/29/25 14:30	1
Toluene	0.00121	U	0.00500	0.00121	mg/Kg			01/29/25 14:30	1
Ethylbenzene	0.000304	U	0.00100	0.000304	mg/Kg			01/29/25 14:30	1
m,p-Xylenes	0.000433	U	0.00200	0.000433	mg/Kg			01/29/25 14:30	1
o-Xylene	0.000316	U	0.00100	0.000316	mg/Kg			01/29/25 14:30	1
Xylenes, Total	0.000433	U	0.00200	0.000433	mg/Kg			01/29/25 14:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*56 - 150*		*01/29/25 14:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 152*		*01/29/25 14:30*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*		*01/29/25 14:30*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/29/25 14:30*	*1*

Lab Sample ID: LCS 860-213378/3 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 213378

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.04706		mg/Kg		94	66 - 142		
Toluene			0.0500	0.04771		mg/Kg		95	74 - 130		
Ethylbenzene			0.0500	0.05160		mg/Kg		103	80 - 130		
m,p-Xylenes			0.0500	0.05158		mg/Kg		103	78 - 130		
o-Xylene			0.0500	0.05194		mg/Kg		104	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*56 - 150*
4-Bromofluorobenzene (Surr)	*101*		*68 - 152*
Dibromofluoromethane (Surr)	*97*		*53 - 142*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 860-213378/4 **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 213378

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04577		mg/Kg		92	66 - 142	3	25
Toluene			0.0500	0.04677		mg/Kg		94	74 - 130	2	25
Ethylbenzene			0.0500	0.05066		mg/Kg		101	80 - 130	2	25
m,p-Xylenes			0.0500	0.04976		mg/Kg		100	78 - 130	4	25
o-Xylene			0.0500	0.05153		mg/Kg		103	79 - 130	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*56 - 150*
4-Bromofluorobenzene (Surr)	*103*		*68 - 152*
Dibromofluoromethane (Surr)	*94*		*53 - 142*
Toluene-d8 (Surr)	*99*		*70 - 130*

QC Sample Results

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

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

Lab Sample ID: MB 860-213262/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213298 — **Prep Batch: 213262**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.1	U	50.0	21.1	mg/Kg		01/28/25 17:19	01/29/25 10:07	1
Diesel Range Organics (Over C10-C28)	21.1	U	50.0	21.1	mg/Kg		01/28/25 17:19	01/29/25 10:07	1
Oil Range Organics (Over C28-C36)	21.1	U	50.0	21.1	mg/Kg		01/28/25 17:19	01/29/25 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*65 - 130*	*01/28/25 17:19*	*01/29/25 10:07*	*1*
o-Terphenyl	*97*		*65 - 130*	*01/28/25 17:19*	*01/29/25 10:07*	*1*

Lab Sample ID: LCS 860-213262/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213298 — **Prep Batch: 213262**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1014		mg/Kg		101	70 - 135		
Diesel Range Organics (Over C10-C28)			1000	954.0		mg/Kg		95	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*65 - 130*
o-Terphenyl	*119*		*65 - 130*

Lab Sample ID: LCSD 860-213262/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213298 — **Prep Batch: 213262**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1072		mg/Kg		107	70 - 135	6	35
Diesel Range Organics (Over C10-C28)			1000	955.1		mg/Kg		96	70 - 135	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*65 - 130*
o-Terphenyl	*118*		*65 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-213482/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213526 — **Prep Batch: 213482**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.00	U	10.0	5.00	mg/Kg		01/29/25 14:47	01/29/25 19:45	1

QC Sample Results

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-213482/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213526 — **Prep Batch: 213482**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	99.90		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 860-213482/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213526 — **Prep Batch: 213482**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			100	100.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 860-92301-1 MS — **Client Sample ID: Cell-17-Square24-E6-250128**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213526 — **Prep Batch: 213482**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	484		110	607.2	4	mg/Kg	☼	111	90 - 110		

Lab Sample ID: 860-92301-1 MSD — **Client Sample ID: Cell-17-Square24-E6-250128**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213526 — **Prep Batch: 213482**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	484		110	606.8	4	mg/Kg	☼	111	90 - 110	0	15

Method: Moisture - Percent Moisture

Lab Sample ID: MB 860-213769/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.07				%			01/30/25 14:18	1
Percent Solids	99.9				%			01/30/25 14:18	1

Lab Sample ID: 860-92301-1 DU — **Client Sample ID: Cell-17-Square24-E6-250128**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 213769

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.2			9.1		%				2	20
Percent Solids	90.8			91.0		%				0.2	20

QC Association Summary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

GC/MS VOA

Analysis Batch: 213378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	8260C	213422
MB 860-213378/9	Method Blank	Total/NA	Solid	8260C	
LCS 860-213378/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-213378/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 213422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	5030C	

GC Semi VOA

Prep Batch: 213262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	8015NM Prep	
MB 860-213262/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 860-213262/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 860-213262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 213298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	8015B NM	213262
MB 860-213262/1-A	Method Blank	Total/NA	Solid	8015B NM	213262
LCS 860-213262/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	213262
LCSD 860-213262/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	213262

HPLC/IC

Prep Batch: 213482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	300_Prep	
MB 860-213482/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-213482/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-213482/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
860-92301-1 MS	Cell-17-Square24-E6-250128	Total/NA	Solid	300_Prep	
860-92301-1 MSD	Cell-17-Square24-E6-250128	Total/NA	Solid	300_Prep	

Analysis Batch: 213526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	300.0	213482
MB 860-213482/1-A	Method Blank	Total/NA	Solid	300.0	213482
LCS 860-213482/2-A	Lab Control Sample	Total/NA	Solid	300.0	213482
LCSD 860-213482/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	213482
860-92301-1 MS	Cell-17-Square24-E6-250128	Total/NA	Solid	300.0	213482
860-92301-1 MSD	Cell-17-Square24-E6-250128	Total/NA	Solid	300.0	213482

General Chemistry

Analysis Batch: 213769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-92301-1	Cell-17-Square24-E6-250128	Total/NA	Solid	Moisture	
MB 860-213769/1	Method Blank	Total/NA	Solid	Moisture	
860-92301-1 DU	Cell-17-Square24-E6-250128	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Client Sample ID: Cell-17-Square24-E6-250128 Lab Sample ID: 860-92301-1

Date Collected: 01/28/25 16:01 **Matrix: Solid**
Date Received: 01/29/25 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			213769	01/30/25 14:18	JC	EET HOU

Client Sample ID: Cell-17-Square24-E6-250128 Lab Sample ID: 860-92301-1

Date Collected: 01/28/25 16:01 **Matrix: Solid**
Date Received: 01/29/25 09:42 **Percent Solids: 90.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	213422	01/29/25 12:40	KLV	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	213378	01/29/25 15:32	KLV	EET HOU
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	213262	01/29/25 12:01	MS	EET HOU
Total/NA	Analysis	8015B NM		1			213298	01/29/25 12:59	TH	EET HOU
Total/NA	Prep	300_Prep			05.00 g	50 mL	213482	01/29/25 14:47	JC	EET HOU
Total/NA	Analysis	300.0		1			213526	01/29/25 20:25	WP	EET HOU

Laboratory References:

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

Accreditation/Certification Summary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Method Summary

Client: Arcadis US Inc. Job ID: 860-92301-1
Project/Site: Chevron - Jal Land Farm Soils

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
Moisture	Percent Moisture	EPA	EET HOU
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	EPA	EET HOU
5030C	Purge and Trap	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Arcadis US Inc.
Project/Site: Chevron - Jal Land Farm Soils

Job ID: 860-92301-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-92301-1	Cell-17-Square24-E6-250128	Solid	01/28/25 16:01	01/29/25 09:42

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

1/30/2025

Client Information	Sampler: Tony Silvas	Lab PM: Kudchadkar Sachin G	Carrier Tracking No(s):	COC No: 860-36208-12103.1
Client Contact: Sarah Johnson	Phone: 432-254-0374	E-Mail: Sachin.Kudchadkar@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Arcadis US Inc.	PWSID:			Job #:
Address: 1004 North Big Spring Suite 300	Due Date Requested:			
City: Midland	TAT Requested (days): 24 Hr TAT			
State, Zip: TX, 79701	Compliance Project: Δ Yes Δ No			
Phone: 303-316-6506(Tel)	PO #: PN 3027704			
Email: sarah.johnson@arcadis.com	WO #:			
Project Name: Chevron Jal Land Farm Soils	Project #: 86001348			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM Full TPH	300_ORGFM_28D Chloride	8021B BTEX	MOISTURE_2540G Percent Moisture	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
FH-FF-Spoil-24-EG-250128	01/28/25	1401	G	Solid			X	X	X	X	2	
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

860-92301 Chain of Custody

Page 17 of 18

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 01/28/25 1615	Company: ARCADIS	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Nuevo	Date/Time: 1-29-25 942	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 2.7 2.6 Hou 368

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Arcadis US Inc. Job Number: 860-92301-1

Login Number: 92301 **List Source: Eurofins Houston**
List Number: 1
Creator: Jimenez, Nicanor

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

Appendix D

Photograph Log

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 1

Description:
Excavation extent at Cell 17 – Square 22.

Location: Cell 17 - Square 22

Photograph taken by:
Jerry Longwell

Date: 1/29/2025

Photograph: 2

Description:
Excavation extent at Cell 17 – Square 66.

Location: Cell 17 - Square 66

Photograph taken by:
Jerry Longwell

Date: 1/29/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 3

Description:
Excavation extent at Cell 17 – Square 5.

Location: Cell 17 – Square 5

Photograph taken by:
Jerry Longwell

Date: 1/30/2025

Photograph: 4

Description:
Excavation extent at Cell 17 – Square 66.

Location: Cell 17, Square 66

Photograph taken by:
Jerry Longwell

Date: 1/30/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 5

Description: Backfill material stockpiled onsite.

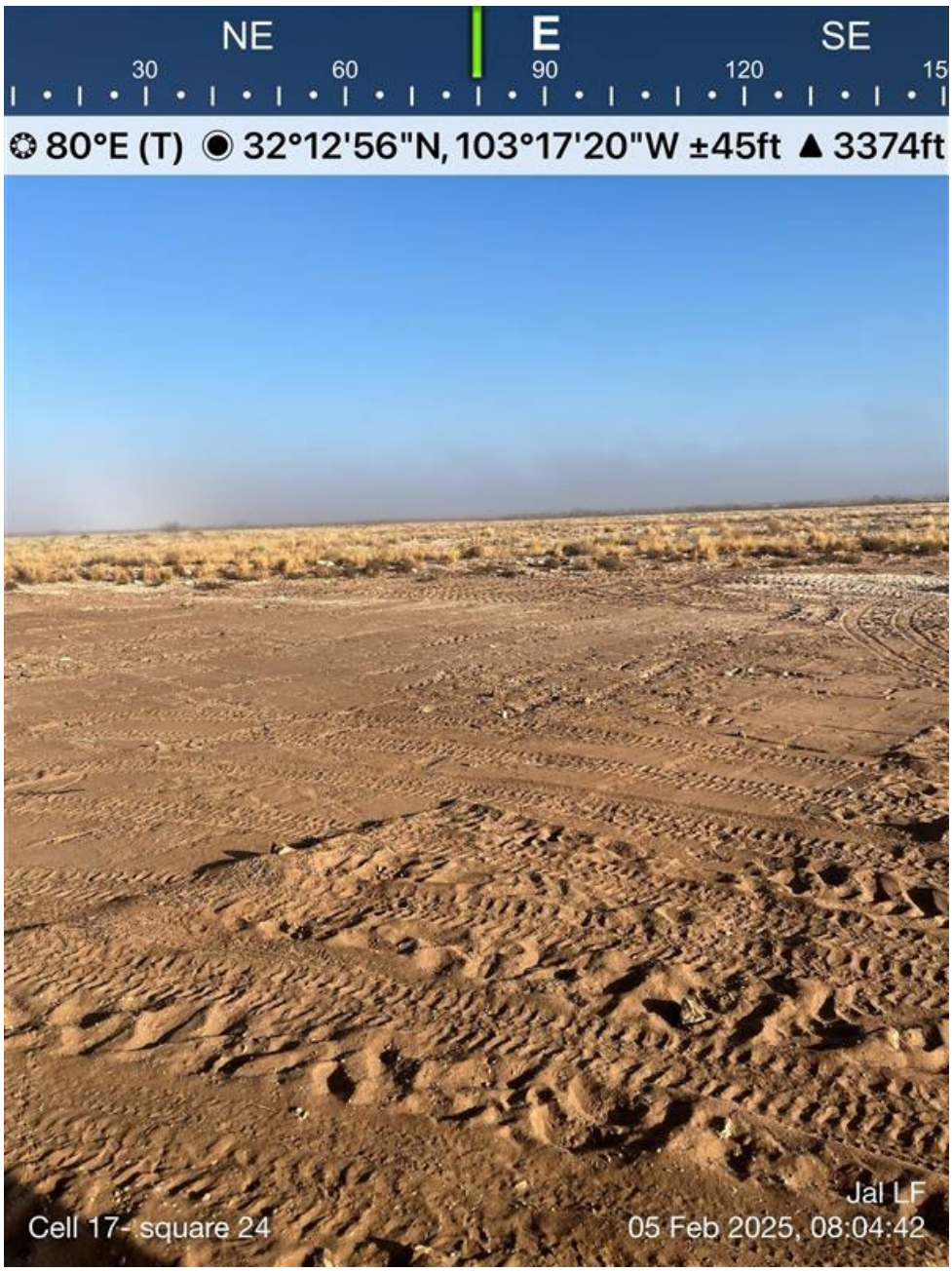
Location: Jal Landfarm, NM

Photograph taken by: Jerry Longwell

Date: 1/31/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico



Photograph: 6

Description: Cell 17 - Square 24 following backfill and compaction of clean soil.

Location: Cell 17 - Square 24

Photograph taken by: Jerry Longwell

Date: 2/5/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 7

Description: Cell 17 - Square 5 following backfill and compaction of clean soil.

Location: Cell 17 - Square 5

Photograph taken by: Jerry Longwell

Date: 2/5/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 8

Description:
Excavation extent at Cell 21 - Square 150.

Location: Cell 21 - Square 150

Photograph taken by:
Jerry Longwell

Date: 2/6/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 9

Description:
Excavation extent at Cell 21 - Square 89.

Location: Cell 21 - Square 89

Photograph taken by:
Jerry Longwell

Date: 2/6/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 10

Description:
Excavation extent at Cell 18 - Square 180.

Location: Cell 18 - Square 180

Photograph taken by:
Jerry Longwell

Date: 2/6/2025

Photograph: 11

Description:
Excavation extent at Cell 21 - Square 125.

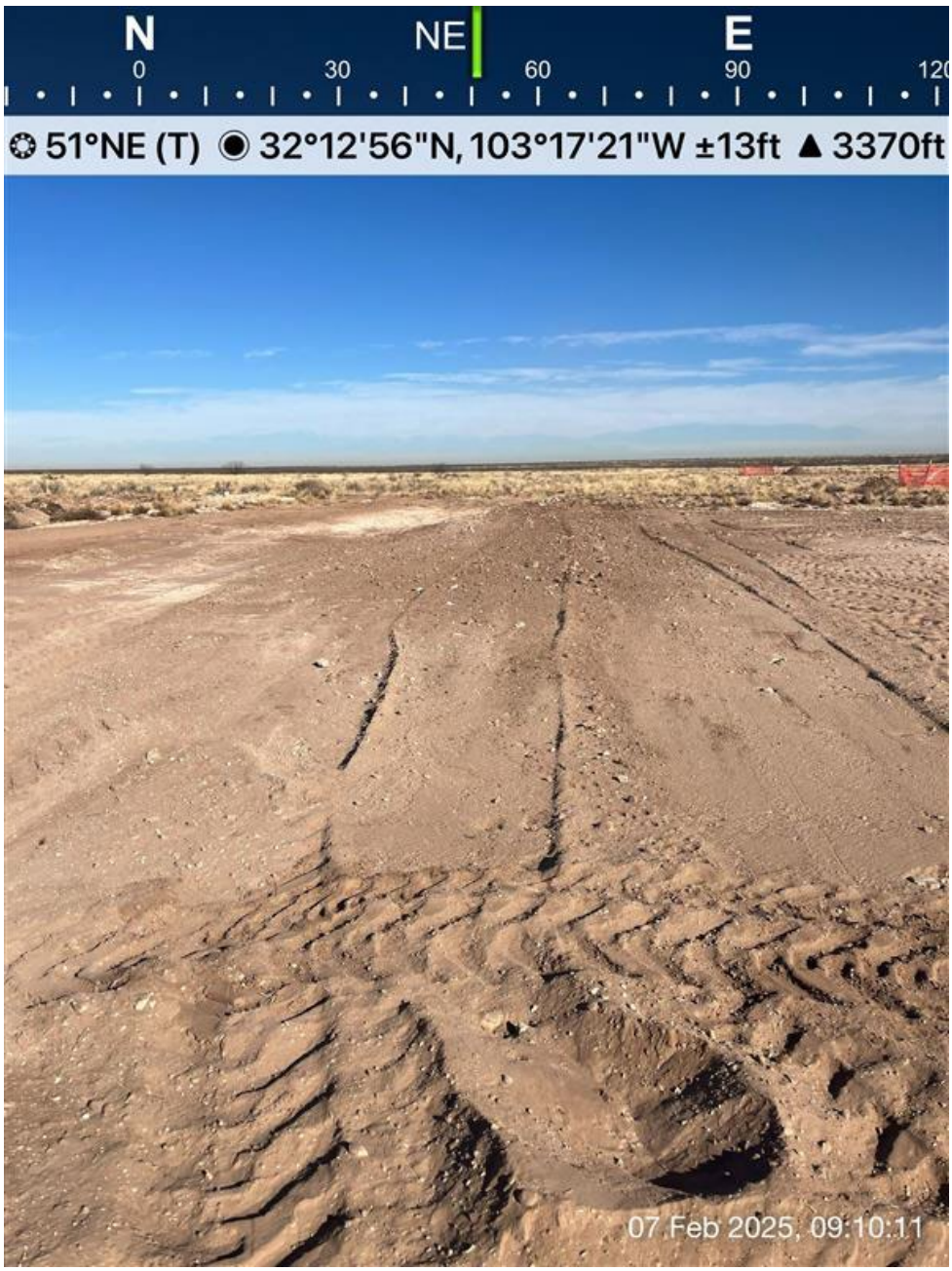
Location: Cell 21 - Square 125

Photograph taken by:
Jerry Longwell

Date: 2/6/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico



Photograph: 12

Description: Cell 17 - Square 22 following backfill and compaction of clean soil.

Location: Cell 17 – Square 22

Photograph taken by: Jerry Longwell

Date: 2/7/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 13

Description: Cell 17 - Square 66 following backfill and compaction of clean soil.

Location: Cell 17 – Square 66

Photograph taken by: Jerry Longwell

Date: 2/7/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 14

Description: Cell 21 - Square 44 following backfill and compaction of clean soil.

Location: Cell – Square 44

Photograph taken by: Jerry Longwell

Date: 2/7/2025

Photograph: 15

Description: Cell 21 - Square 89 following backfill and compaction of clean soil.

Location: Cell 21 – Square 89

Photograph taken by: Jerry Longwell

Date: 2/7/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

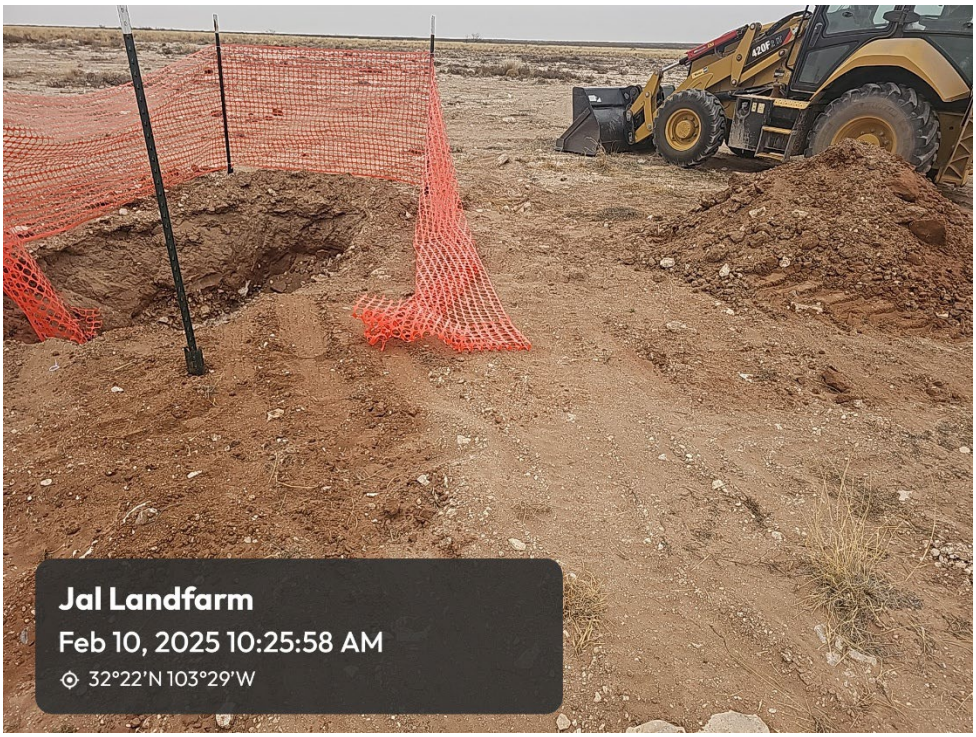
Photograph: 16

Description: Cell 21 - Square 150 following backfill and compaction of clean soil.

Location: Cell 21 – Square 150

Photograph taken by: Jerry Longwell

Date: 2/7/2025



Photograph: 17

Description: Cell 21 - Square 125 prior to backfill.

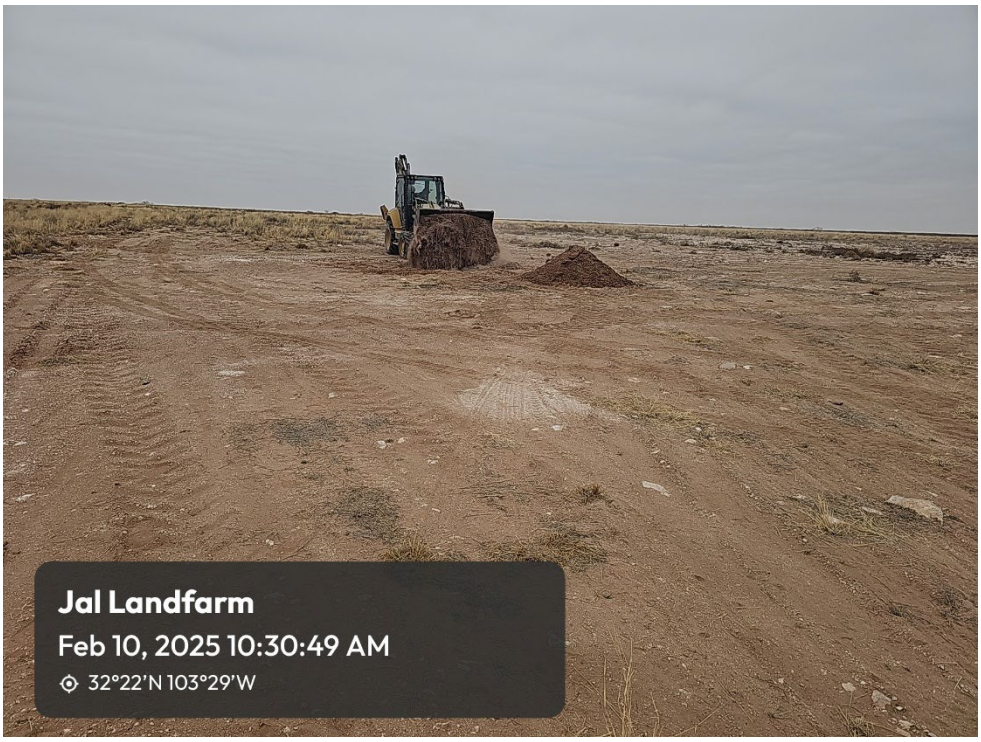
Location: Cell 21 - Square 125

Photograph taken by: Luis Esparza

Date: 2/10/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico



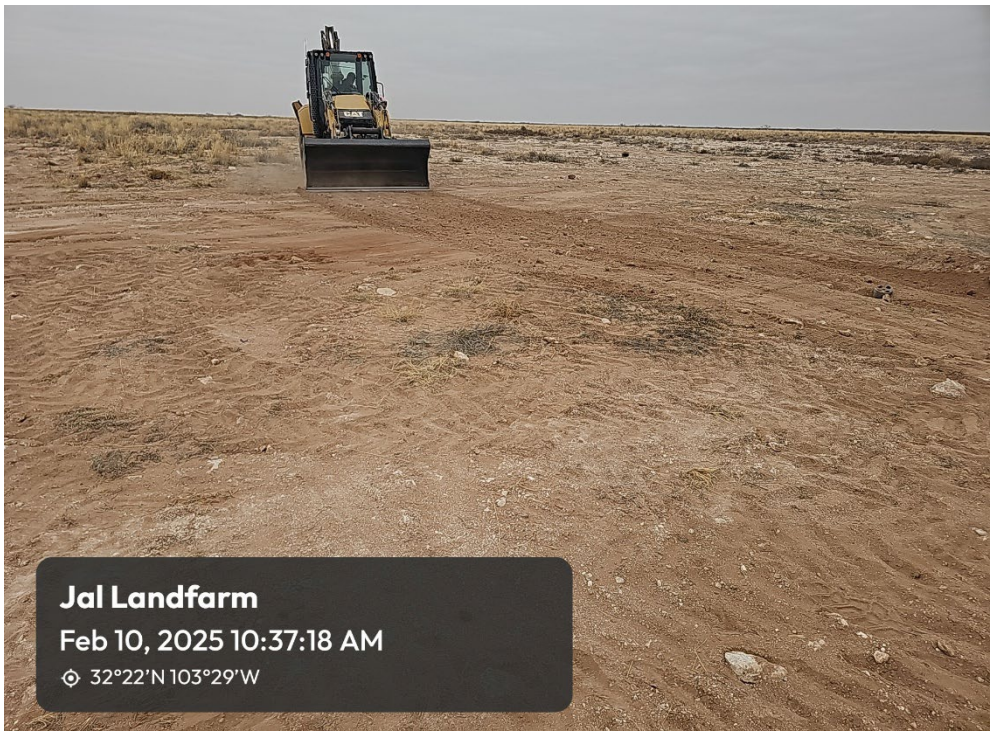
Photograph: 18

Description: Cell 18 - Square 180 during backfill and compaction of clean soil.

Location: Cell 18 - Square 180

Photograph taken by: Luis Esparza

Date: 2/10/2025



Photograph: 19

Description: Cell 18 - Square 180 after backfill and compaction of clean soil.

Location: Cell 18 - Square 180

Photograph taken by: Luis Esparza

Date: 2/10/2025

Photograph Log

Appendix D
Remediation Summary and Soil Closure Request Report
Jal, New Mexico

Photograph: 20

Description: Excavation extent at Cell 21 - Square 125.

Location: Cell 21 - Square 125

Photograph taken by: Luis Esparza

Date: 2/10/2025

Photograph: 21

Description: Site following backfill and compaction

Location: Jal Landfarm

Photograph taken by: Luis Esparza

Date: 2/10/2025

Appendix E

Disposal Manifests

CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 12

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Chevron U.S.A, Inc.	32.210056, -103.282861			02-03-25
PHONE NO. 505-690-5408	CITY Jal	STATE NM	ZIP 88252	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract: SO 0064 WBS code UWDBU-M4098

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

24-HOUR EMERGENCY NO. Chevron OL Contact - Armando Martinez - 505-690-5408

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Nadine Balmaceda OBO Chevron	Nadine Balmaceda	02-03-25

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Talon LPE Truck: 12 Phone: 575-631-4733 Name: Rene Quezada	NAME
IN CASE OF EMERGENCY CONTACT: David Adkins	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 575-746-8768	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE 02-03-25	SIGNATURE DATE

FACILITY DISPOSAL

FACILITY NAME:	ADDRESS:	PHONE:
Gandy – Marley Inc. - Gandy Marley Landfarm	7210 E 2nd Street	(575) 347-0434
PERMIT NO. 2739	20. COMMENTS	

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: Approved By:

If rejected provide details:

By checking the "Approved" box you are accepting the art as well as size and placement of the logos and text.

Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

PLEASE PROOF CAREFULLY! Once you approve this proof, full responsibility for the accuracy of the copy, size and positioning of the imprint is YOURS. Please pay particular attention to spelling, capitalization, addresses and phone numbers.

CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 12

GENERATOR

3. COMPANY NAME / PHONE NO.	4. ADDRESS	CITY	STATE	ZIP	5. PICK-UP DATE	6.
Chevron U.S.A, Inc. 505-690-5408	32.210056, -103.282861	Jal	NM	88252	02-03-25	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract: SO 0064 WBS code UWDBU-M4098

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT — 24-HOUR EMERGENCY NO.: Chevron OL Contact - Armando Martinez - 505-690-5408

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Nadine Balmaceda OBO Chevron	Nadine Balmaceda	02-03-25

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Talon LPE Truck: 12 Phone: 575-631-4733 Name: Rene Quezada	NAME
IN CASE OF EMERGENCY CONTACT: David Adkins	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 575-746-8768	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Rene Q.	PRINTED/TYPED NAME:
SIGNATURE: DATE: 02-03-25	SIGNATURE: DATE:

FACILITY DISPOSAL

FACILITY NAME:	ADDRESS:	PHONE:
Gandy – Marley Inc. - Gandy Marley Landfarm	7210 E 2nd Street	(575) 347-0434

PERMIT NO.	20. COMMENTS
2739	

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: Approved By:

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Artwork produced by: RF

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CHEVRON - 11"X8.5" FORM PAGE 2

Types of Container

BA = Burlap, cloth, paper, or plastic bags	DT = Dump truck
CF = Fiber or plastic boxes, cartons, cases	DW = Wooden drums, barrels, kegs
CM = Metal boxes, cartons, cases (including roll-offs)	HG = Hopper or gondola cars or trash trailers
CW = Wooden boxes, cartons, cases	TC = Tank cars
CY = Cylinders	TP = Portable tanks
DF = Fiberboard or plastic drums, barrels, kegs	TT= Tank trucks or cargo tanks
DM = Metal drums, barrels, kegs	

Units of Measurement

G = Gallons (liquids only)	N = Cubic Meters
K = Kilograms	P = Pounds
L = Liters (liquids only)	T = Tons (2,000 Pounds)
M = Metric Tons (1,000 Kilograms)	Y = Cubic Yards
BBL = Barrels (42 gallons)	F = Cubic Feet

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: _____ Approved By: _____ Submit ☐

If rejected provide details:

By checking the "Approved" box you are accepting the art as well as size and placement of the logos and text.

Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

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CHEVRON - 11"X8.5" FORM PAGE 2

Types of Container

BA = Burlap, cloth, paper, or plastic bags	DT = Dump truck
CF = Fiber or plastic boxes, cartons, cases	DW = Wooden drums, barrels, kegs
CM = Metal boxes, cartons, cases (including roll-offs)	HG = Hopper or gondola cars or trash trailers
CW = Wooden boxes, cartons, cases	TC = Tank cars
CY = Cylinders	TP = Portable tanks
DF = Fiberboard or plastic drums, barrels, kegs	TT= Tank trucks or cargo tanks
DM = Metal drums, barrels, kegs	

Units of Measurement

G = Gallons (liquids only)	N = Cubic Meters
K = Kilograms	P = Pounds
L = Liters (liquids only)	T = Tons (2,000 Pounds)
M = Metric Tons (1,000 Kilograms)	Y = Cubic Yards
BBL = Barrels (42 gallons)	F = Cubic Feet

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: _____ Approved By: _____ Submit ☐

If rejected provide details:

By checking the "Approved" box you are accepting the art as well as size and placement of the logos and text.

Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

PLEASE PROOF CAREFULLY! Once you approve this proof, full responsibility for the accuracy of the copy, size and positioning of the imprint is YOURS. Please pay particular attention to spelling, capitalization, addresses and phone numbers.

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CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 21

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Chevron U.S.A, Inc.	32.210056, -103.282861			02-04-25
PHONE NO. 505-690-5408	CITY Jal	STATE NM	ZIP 88252	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract: SO 0064 WBS code UWDBU-M4098

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

24-HOUR EMERGENCY NO.: Chevron OL Contact - Armando Martinez - 505-690-5408

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Nadine Balmaceda OBO Chevron | SIGNATURE: Nadine Balmaceda | DATE: 02-04-25

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Talon LPE Phone: 915-540-3350 Truck: 21 Name: Jose M. Garcia	NAME
IN CASE OF EMERGENCY CONTACT: David Adkins	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 575-746-8768	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Jose M.	PRINTED/TYPED NAME:
SIGNATURE:	DATE: 02-04-25 SIGNATURE: DATE:

FACILITY DISPOSAL

FACILITY NAME:	ADDRESS:	PHONE:
Gandy – Marley Inc. - Gandy Marley Landfarm	7210 E 2nd Street	(575) 347-0434

PERMIT NO.	20. COMMENTS
2739	

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: Approved By: Submit

If rejected provide details:

By checking the "Approved" box you are accepting the art as well as size and placement of the logos and text.

Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

PLEASE R… …y, size and positioning … numbers.

This artw… …rohibited.

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CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 02 | 5. PICK-UP DATE 02-Oct-25

GENERATOR

3. COMPANY NAME: Chevron U.S.A, Inc. | PHONE NO.: 505-690-5408
4. ADDRESS: 32.210056, -103.282861 | CITY: Jal | STATE: NM | ZIP: 88252
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

13. WASTE PROFILE NO.

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract: SO 0064 WBS code UWDBU-M4098

14. IN CASE OF EMERGENCY OR SPILL, CONTACT: Chevron OL Contact - Armando Martinez - 505-690-5408 | 24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Nadine Balmaceda OBO Chevron | SIGNATURE: Nadine Balmaceda | DATE: 02-Oct-25

TRANSPORTERS

16. TRANSPORTER (1) NAME: Talon LPE Phone: 575-552-6885 Truck: 02 Name: Edwin Muñoz
IN CASE OF EMERGENCY CONTACT: David Adkins
EMERGENCY PHONE: 575-746-8768
18. TRANSPORTER (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: [illegible] | SIGNATURE: [illegible] | DATE: 02/01/25

17. TRANSPORTER (2) NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:
19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: | SIGNATURE: | DATE:

FACILITY DISPOSAL

FACILITY NAME: Gandy – Marley Inc. - Gandy Marley Landfarm | ADDRESS: 7210 E 2nd Street | PHONE: (575) 347-0434
PERMIT NO.: 2739
20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE | CELL NO. | DATE | TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: Approved By:

If rejected provide details:

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Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

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CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 07

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Chevron U.S.A, Inc.	32.210056, -103.282861			02/07/25
PHONE NO. 505-690-5408	CITY Jal	STATE NM	ZIP 88252	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract SO 0064 WBS code UWDBU-M4098

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

24-HOUR EMERGENCY NO. Chevron OL Contact - Armando Martinez - 505-690-5408

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Nadine Balmaceda OBO Chevron | SIGNATURE: Nadine Balmaceda | DATE: 02/07/25

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Talon LPE Phone: 385-354-8793 Truck: 07 Name: Jan Bruyman	NAME
IN CASE OF EMERGENCY CONTACT: David Adkins	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 575-746-8768	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: [illegible]	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 02/07/25	SIGNATURE: DATE:

FACILITY DISPOSAL

FACILITY NAME:	ADDRESS:	PHONE:
Gandy – Marley Inc. - Gandy Marley Landfarm	7210 E 2nd Street	(575) 347-0434
PERMIT NO. 2739	20. COMMENTS	

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: Approved By:

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Estimated size will measure: 8.5" (w) x 11" (h)
Artwork produced by: RF

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CHEVRON - 11"X8.5" FORM PAGE 1

CHEVRON
MCBU

NON-HAZARDOUS WASTE MANIFEST NO: 1 | 1. PAGE 1 OF 2 | 2. TRAILER NO. 02

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Chevron U.S.A, Inc.	32.210056, -103.282861			02/07/25
PHONE NO. 505-690-5408	CITY Jal	STATE NM	ZIP 88252	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Soil - E&P Exempt	1	DT	20	Y	N/A
b.					N/A
c.					N/A
d.					N/A

12. COMMENTS OR SPECIAL INSTRUCTIONS: Contract SO 0064 WBS code UWDBU-M4098

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT — 24-HOUR EMERGENCY NO.: Chevron OL Contact - Armando Martinez - 505-690-5408

15. GENERATOR'S CERTIFICATION: Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Nadine Balmaceda OBO Chevron	Nadine Balmaceda	02/07/25

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Talon LPE Phone: 575-552-0385 Truck: 02 Name: Edwin Munoz	NAME
IN CASE OF EMERGENCY CONTACT: David Adkins	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 575-746-8768	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE 02/07/25	SIGNATURE DATE

FACILITY DISPOSAL

FACILITY NAME:	ADDRESS:	PHONE:
Gandy – Marley Inc. - Gandy Marley Landfarm	7210 E 2nd Street	(575) 347-0434

PERMIT NO.	20. COMMENTS
2739	

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

Version Date: April-12-2016

☐ Approved ☐ Rejected

Date: ☐ Approved By: ☐

If rejected provide details:

By checking the "Approved" box you are accepting the art as well as size and placement of the logos and text.

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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 452637

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 452637
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2113741693**
Incident Name	**NAPP2113741693 JAL LANDFARM @ 0**
Incident Type	**Other**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fEEM0112332673] JAL LANDFARM**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JAL LANDFARM
Date Release Discovered	04/21/2021
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*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	Cause: | | Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0 .
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The Site operates as a surface waste management facility; however, no new waste material has been received since 2007. Waste received at the facility consisted of soil/solids impacted with exempt hydrocarbons. Minor impacts of TPH and Chloride to the vadose zone (2 – 3 feet below native ground surface) have been measured.

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 452637
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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/16/2025

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QUESTIONS (continued)

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	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 100 and 500 (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 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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 500 and 1000 (ft.)
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	Yes

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 Cl B)	1550
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	510
GRO+DRO (EPA SW-846 Method 8015M)	1690
BTEX (EPA SW-846 Method 8021B or 8260B)	19.8
Benzene (EPA SW-846 Method 8021B or 8260B)	1
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	01/27/2025
On what date will (or did) the final sampling or liner inspection occur	01/29/2025
On what date will (or was) the remediation complete(d)	02/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	1525469
What is the estimated volume (in cubic yards) that will be reclaimed	140
What is the estimated surface area (in square feet) that will be remediated	1200
What is the estimated volume (in cubic yards) that will be remediated	140
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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QUESTIONS (continued)

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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	GANDY MARLEY LANDFARM/LANDFILL [fEEM0112338393]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(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 efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I 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: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/16/2025
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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QUESTIONS (continued)

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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

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**424003**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/27/2025**
What was the (estimated) number of samples that were to be gathered	**6**
What was the sampling surface area in square feet	**12000**

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	1200
What was the total volume (cubic yards) remediated	140
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)	Reclamation will be ongoing as part of the landfarm 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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 04/16/2025

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QUESTIONS (continued)

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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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CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
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CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	4/28/2025
amaxwell	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. The 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.	4/28/2025