# E N S O L U M

December 14, 2023

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Deferral Request Bell Lake North Pad 1 Incident Number nAPP2326452170 Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Kaiser-Francis Oil Company (Kaiser-Francis), has prepared this *Deferral Request* to document excavation and soil sampling activities at the Bell Lake North Pad 1 (Site). The purpose of the Site assessment and soil sampling activities was to address impacts to soil following a release of produced water after an equipment failure, which resulted in a fire. Based on field observations, field screening activities, and soil sample laboratory analytical results, Kaiser-Francis is submitting this *Deferral Request*, describing Site assessment and excavation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2326452170 until the Site is reconstructed and/or the well pad is plugged and abandoned, and the deferral area is safely accessible.

### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in in Unit L, Section 01, Township 23 South, Range 33 East, in Lea County, New Mexico (32.333215°, -103.5332435°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On September 20, 2023, there was an equipment failure that resulted in a fire on pad surrounding the tank battery. This resulted in the release of approximately 33 barrels (bbls) of produced water outside of containment. Kaiser-Francis submitted a Release Notification Form C-141 (Form C-141) to the New Mexico Oil Conservation Division (NMOCD) on September 20, 2023. The release was assigned Incident Number nAPP2326452170 (Appendix A).

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 00872 POD 1 with a depth to water measurement greater than

300 feet below ground surface (bgs) and is approximately 10,612 feet east of the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 2,709 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Potential site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

### SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on September 21, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. A 48-Hour Liner Inspection Notice was submitted to NMOCD; however, upon arrival to the Site, it was determined the liner integrity had been compromised and delineation of the area compromised by the equipment fire was completed. The release that breeched containment was found to be contained on pad and did not impact areas off pad; satellite imagery in Figures 2 through 5 do not show an up-to-date image of current Site conditions.

Since the release remained on pad, an assessment of cultural properties had already been completed prior to the construction of the well pad and as such, the Cultural Properties Protection Rule (CPP) has been followed. No additional cultural resource surveys were completed in connection with this release.

From September 27 through September 29, 2023, 13 delineation soil samples (SS01 through SS13) were collected outside of the containment area to assess the lateral extent of impacted soil at surface The release extent and delineation soil samples outside of containment can be found in Figure 2. Ensolum personnel also completed seven boreholes (BH01 through BH07) via hand auger inside the containment along with two potholes (PH01 and PH02) outside of containment with a backhoe. Delineation sample locations within containment can be seen in Figure 3. Lithologic Sample Logs are included and can be seen in Appendix C.

Delineation soil samples were field screened for chloride utilizing Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips and MOHR Titration Method, and TPH utilizing PetroFLAG<sup>®</sup> soil reagents. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figures 2 and 3. Photographic documentation was collected, and a photographic log is included in Appendix D.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico, for



analysis of the following contaminants of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results from delineation soil samples SS01 through SS13 were in compliance with the Site Closure Criteria, which is the strictest criteria per NMOCD Table I. Laboratory analytical results from boreholes BH01 through BH07 and results from potholes PH01 and PH02 indicated all COC concentrations were all in compliance with the Site Closure Criteria at their terminal depths. All vertical delineation points had concentrations above the strictest criteria per NMOCD Table I and Site Closure Criteria of chloride within the ground surface soil sample except PH01. Table 1 summarizes laboratory analytical results. The laboratory analytical report and chain-of-custody documentation are included in Appendix E.

The presence of impacted soil as identified in potholes PH01 and boreholes BH01 through BH04 and BH07 from the ground surface to maximum depths of 3 feet bgs indicated the need for remedial actions.

### **EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES**

Excavation of impacted soil was completed utilizing a track hoe, backhoe, and belly dump trucks. To direct excavation activities, soil was field screened for TPH and chloride. The excavation area ranged in depth from 0.5 feet to 5 feet bgs and photographic documentation of excavation activities is included in Appendix F.

A confirmation soil sampling variance was submitted to NMOCD prior to collecting confirmation samples, which was approved by Mr. Nelson Velez on November 1, 2023 (see Appendix G). Following the approved sampling variance, 5-point composite soil samples were collected every 200 square feet from the sidewalls and every 400 square feet from the floor of the excavation beginning on November 20, 2023. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 and SW02 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. Composite sidewall samples SW03 and SW04 were collected from the sidewalls of the excavation at depths ranging from ground surface to 2 feet bgs. Composite sidewall samples SW05 through SW07 as well as SW09 and SW10 were collected from the sidewalls of the excavation at depths ranging from ground surface to 5 feet bgs. Composite sidewall sample SW08 was collected from the sidewalls of the excavation at depths ranging from ground surface to 3 feet bgs. Composite soil samples FS01 through FS51 were collected from the floor of the excavation at depths ranging from ground surface to 5 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. Excavation extent and confirmation soil sample locations can be seen in Figure 4.

Due to the presence of existing equipment not damaged by the equipment fire, certain areas were not excavated to the extent as to meet Site Closure Criteria. The remaining, undamaged, tanks within the battery hindered excavation to the west and north of confirmation sample locations FS13 through FS24. Electric panels to the east of these sample locations also hindered excavation efforts. Confirmation sample location FS23 also was unable to meet Site Closure Criteria due to the presence of subsurface electric lines that run through the entirety of the area. All impacted soil that was removed from these was done so as to not affect the safe operation of this equipment.



The final excavation extent measured approximately 13,193 square feet. A total of approximately 982 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The soil was transported and properly disposed of at the Northern Delaware Basin Disposal Facility. The excavation extent and excavation soil sample locations are presented in Figure 4.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation sidewall samples SW01 through SW05 and excavation floor samples FS01 through FS03, FS05, FS06, FS08 trough FS11, FS13 through FS22, and FS24 through FS 51 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the reclamation requirement. Side wall samples SW06 through SW10 were unable to meet Site Closure criteria for chloride due to their proximity to active oil and gas production equipment. Confirmation sample locations FS04, FS07, FS12, and FS23 were unable to meet Site closure Criteria due to underlaying active oil and gas production equipment and electrical equipment.

Laboratory analytical results are summarized in Tables 2 and 3 and laboratory analytical reports are included as Appendix D.

The estimated area of remaining impacted soil measures approximately 2,957 square feet and assuming an average depth of 3 feet based on the analytical results for delineation boreholes BH02@4', BH03@2', BH04@3', BH05@2', BH06@0.5', BH07@3', a total of approximately 329 cubic yards of impacted soil remains in place. The deferral areas are depicted on Figure 5.

The release remained on the well pad that is currently in operation for oil and gas production purposes. As such, the release area is not expected to be reclaimed until the oil and gas well is plugged and abandoned (P&A'd) and the well pad is reclaimed. The Reclamation Plan for this release will default to the NMSLO-approved Reclamation Plan for the well pad per 19.2.100.67 NMAC.

### DEFFERAL REQUEST

Kaiser-Francis is requesting deferral of final remediation due to the presence of active production equipment and process piping preventing full excavation of impacted soil. The impacted soil is limited to the area beneath production equipment and surface piping, where remediation would require a major facility deconstruction. Kaiser-Francis was able to excavate approximately 982 cubic yards of accessible impacted soil on the east side of the produced water tanks. The impacted soil remaining in place is laterally defined by delineation soil samples SS12, SS13, and SS06 at ground surface as well as the confirmation samples FS13 through FS24 and vertically defined by borehole samples BH03@2', BH05@2', BH06@0.5', and BH07@3'.

Kaiser-Francis does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Any gross impacts were removed during the initial cleanup.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Kaiser-Francis requests deferral of final remediation for Incident Number nAPP2326452170 until final reclamation of the well pad or major construction, whichever comes first.



If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.

Sincerely, Ensolum, LLC

Ashley Giovengo Senior Engineer

Daniel R. Moir, PG Senior Managing Geologist

cc: Hutton Andrew, Kaiser-Francis Oil Company NMSLO

### Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Delineation Soil Sample Locations (Containment)
- Figure 4 Confirmation Soil Sample Locations
- Figure 5 Area of Requested Deferral
- Table 1Delineation Soil Samples
- Table 2Excavation Floor Samples
- Table 3
   Excavation Side Wall Samples
- Appendix A Form C-141
- Appendix B Referenced Well Records
- Appendix C Photographic Log
- Appendix D Lithologic / Soil Sampling Logs
- Appendix E Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix F NMOCD Notifications





# FIGURES

Received by OCD: 5/1/2024 9.28.40 AM

Page 7 of 306













# TABLES

				Kaise	TABLE 1         LE ANALYTICA         Bell Lake North 7         r-Francis Oil Cor         County, New Me	l mpany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Delineati	on Soil Samples	(On-Pad)				
SS01	9/27/2023	0	<0.0250	<0.0250	<20.0	52.5	<50.0	52.5	52.5	37.7
SS02	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	110
SS03	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS04	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS05	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS06	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	34.9
SS07	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS08	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS09	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS10	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS11	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
SS12	9/29/2023	0	<0.0250	<0.0250	<20.0	27.4	<50.0	27.4	27.4	29.5
SS13	9/29/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH01	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	24.6
PH01	9/27/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
PH02	9/27/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	4,260
PH02	9/27/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

- GRO: Gasoline Range Organics DRO: Diesel Range Organics
- ORO: Oil Range Organics
- TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Received

by OCD: 5/1/2024 9:28:40 AM

Page 14 of 306



				SOIL SAMP Be Kaise	ABLE 1 CONT LE ANALYTICA Il Lake North Pa r-Francis Oil Cor County, New Me	L RESULTS d 1 npany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Delir	neation Soil Sam	ples				
BH01 BH01	9/27/2023 9/27/2023	0	<0.0250 <0.0250	<0.0250 <0.0250	<20.0 <20.0	<25.0 <25.0	<50.0 <50.0	<20.0 <20.0	<20.0 <20.0	<b>5,320</b> 49.9
BH01 BH02	9/28/2023	0	<0.0250	2.2156	<20.0	<25.0	1160	2070	<20.0	15,200
BH02	9/28/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	5,770
BH02	9/28/2023	2	<0.0250	< 0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	2,080
BH02	9/28/2023	3	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	27.1	27.1	1,370
BH02	9/28/2023	4	< 0.0250	< 0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	60.3
BH03	9/28/2023	0	<0.0250	<0.0250	<20.0	98.9	<50.0	<20.0	98.9	4,060
BH03	9/28/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	10,000
BH03	9/28/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	77.8
BH04	9/28/2023	0	< 0.0250	< 0.0250	<20.0	7,950	4,740	7,950	12,690	4,830
BH04	9/28/2023	1	< 0.0250	< 0.0250	<20.0	90.7	51.6	90.7	233	8,470
BH04	9/28/2023	2	0.0371	0.069	<20.0	34.1	<50.0	34.1	68.2	683
BH04	9/28/2023	3	<0.0250	<0.0250	<20.0	59.8	<50.0	59.8	119.6	215
BH05	9/29/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	679
BH05	9/29/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	336
BH05	9/29/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	22.2
BH06	9/29/2023	0	<0.0250	<0.0250	<20.0	29.7	<50.0	29.7	29.7	228
BH06	9/29/2023	0.5	<0.0250	<0.0250	<20.0	36.5	<50.0	36.5	36.5	66.3
BH07	9/29/2023	0	<0.0250	<0.0250	<20.0	34.7	<50.0	34.7	34.7	5,590
BH07	9/29/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	7,490
BH07	9/29/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	7,280
BH07	9/29/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<20.0	398

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

### Released to Imaging: 5/20/2024 8:25:25 AM

ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Page 15 of 306



				Be Kaise	TABLE 2         LE ANALYTICA         III Lake North Particular         r-Francis Oil Corr         County, New Me	d 1 npany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	tion Floor Soil S	amples				
FS01	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	597
FS02	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	247
FS03	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS04	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,210
FS05	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	347
FS06	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	182
FS07	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,210
FS08	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	74.3
FS09	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	28.1
FS10	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	337
FS11	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	118
FS12	10/16/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,500
FS13	12/1/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	126
FS14	12/1/2023	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS15	12/1/2023	5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	392
FS16	12/1/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS17	12/1/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS18	12/1/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	185
FS19	11/21/2023	1.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	326
FS20	11/30/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	29.4
FS21	11/30/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	86.4
FS22	11/30/2023	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS23	11/30/2023	2.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1040

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

Released to Imaging: 5/20/2024 8:25:25 AM

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Page 16 of 306



				SOIL SAMP Be Kaise	ABLE 2 CONT LE ANALYTICA Il Lake North Pa r-Francis Oil Cor County, New Me	L RESULTS d 1 npany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	tion Floor Soil S	amples	•	•		
FS24	11/29/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	441
FS25	11/2/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	120
FS26	11/10/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	165
FS27	11/10/2023	4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	117
FS28	11/10/2023	3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	59.6
FS29	12/1/2023	3.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	582
FS30	11/2/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	570
FS31	11/2/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	28.0
FS32	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	47.2
FS33	11/10/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	97
FS34	11/10/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS35	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	89.4
FS36	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	134
FS37	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS38	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	61
FS39	11/3/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS40	11/3/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	235
FS41	11/20/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	135
FS42	11/10/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	121
FS43	11/20/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	138
FS44	11/2/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	66

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics
DRO: Diesel Range Organics
ORO: Oil Range Organics
TPH: Total Petroleum Hydrocarbon
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Page 17 of 306



				SOIL SAMP Be Kaise	ABLE 2 CONT LE ANALYTICA Il Lake North Pa r-Francis Oil Cor County, New Me	L RESULTS d 1 npany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excava	tion Floor Soil S	amples				
FS45	11/2/2023	0.5	<0.0250	<0.0250	<20.0	41	<50.0	41	41	35.1
FS46	11/2/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	46
FS47	11/2/2023	0.5	<0.0250	<0.0250	<20.0	74.3	56.4	74.3	130.7	114
FS47	11/10/2023	0.5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	146
FS48	11/2/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	114
FS49	11/2/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	371
FS50	11/2/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS51	11/2/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	30

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Page 18 of 306



				Be Kaise	TABLE 3         LE ANALYTICA         II Lake North Pa         r-Francis Oil Con         County, New Me	d 1 npany				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria (	(NMAC 19.15.29)	10	50	NE	NE	NE	NE	100	600
				Excavat	ionSidewall Soil	Samples				
SW01	11/3/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	221
SW02	11/3/2023	0-4	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	47.3
SW03	11/10/2023	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	41.8
SW04	11/10/2023	0-2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	185
SW05	12/1/2023	0-5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	61
SW06	12/1/2023	0-5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,700
SW07	12/1/2023	0-5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,710
SW08	12/1/2023	0-3	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,730
SW09	12/1/2023	0-5	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	1,200
SW10	12/1/2023	0-5	<0.0250	<0.0250	<20.0	43.3	<50.0	43.3	43	1,600

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



# APPENDIX A

Form C-141

20 of 306 District I 1625 N. French Dr., Hobbs, NM 88240 Page 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	nAPP2326452170
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Felephone (918) 494-0000
# (assigned by OCD)
t

# **Location of Release Source**

Latitude 32.333215

Longitude -103.5332435

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bell Lake North 1	Site Type Oil Well Pad
Date Release Discovered 09/20/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County	
L	01	23S	33E	Lea	

Surface Owner: X State Federal Tribal Private (Name:

# **Nature and Volume of Release**

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 33 bbls	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	pment failure which resulted in a fire and accidental relate = $\left( Saturated Soil Volume (ft^3) / 4.21 \left( \frac{ft^3}{bbl} eq \right) \right)$	
	+ Recovered Fluids (bbl)	")

		Mexico	Incident ID	nAPP2326452170
e 2	Oil Conservatio	on Division	District RP	
<b>je 2</b> Na od Acestra od			Facility ID	
			Application ID	
Was this a major	If YES, for what reason(s) Volume exceeded 25 bbls.		consider this a major release	2
release as defined by 19.15.29.7(A) NMAC?	Volume exceeded 23 dols.			
Yes 🗌 No				
	notice given to the OCD? By		and by what means (phone,	email, etc)?
Immediate notice was g	iven to NMOCD on 09/21/202	23 via web portal.		
		Initial Response		
The responsibl	e party must undertake the following		nuld create a safety hazard that wou	ld result in injury
The source of the re	lease has been stopped.			
The impacted area h	has been secured to protect hu	man health and the environ	nent.	
2026년 2월	have been contained via the us	se of herms or dikes absorb	ent nads or other containme	nt devices
Released materials l	have been contained via the us			nt devices.
<ul><li>Released materials I</li><li>All free liquids and</li></ul>	have been contained via the us recoverable materials have be ed above have <u>not</u> been under	een removed and managed a		nt devices.
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attach	recoverable materials have be ed above have <u>not</u> been under MAC the responsible party ma 1 a narrative of actions to date	een removed and managed a taken, explain why: ay commence remediation i e. If remedial efforts have	ppropriately. mmediately after discovery of been successfully completed	of a release. If remediation 1 or if the release occurred
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attach within a lined containme I hereby certify that the inf	recoverable materials have be ed above have <u>not</u> been under MAC the responsible party ma a narrative of actions to date ent area (see 19.15.29.11(A)(5 formation given above is true and	een removed and managed a taken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my know	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that pur	of a release. If remediation 1 or if the release occurrec losure evaluation. rsuant to OCD rules and
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attack within a lined containment I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investia addition, OCD acceptance	recoverable materials have be ed above have <u>not</u> been under MAC the responsible party ma 1 a narrative of actions to date ent area (see 19.15.29.11(A)(5	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my known rtain release notifications and p 11 report by the OCD does not in that pose a threat to groundw	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that purp perform corrective actions for re- relieve the operator of liability s ater, surface water, human healt	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attack within a lined containmed I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations.	recoverable materials have be ed above have <u>not</u> been under MAC the responsible party ma n a narrative of actions to date ent area (see 19.15.29.11(A)(5 formation given above is true and e required to report and/or file cen ment. The acceptance of a C-14 igate and remediate contamination of a C-141 report does not relieved	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my kno rtain release notifications and p 11 report by the OCD does not n that pose a threat to groundw e the operator of responsibility	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that purp perform corrective actions for re- relieve the operator of liability s ater, surface water, human healt	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attach within a lined containmed I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations.	recoverable materials have be ed above have <u>not</u> been under MAC the responsible party ma n a narrative of actions to date ent area (see 19.15.29.11(A)(5 formation given above is true and e required to report and/or file cen ment. The acceptance of a C-14 igate and remediate contamination of a C-141 report does not relieved	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my kno rtain release notifications and p 11 report by the OCD does not n that pose a threat to groundw e the operator of responsibility	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that pur perform corrective actions for re relieve the operator of liability s ater, surface water, human healt for compliance with any other f <u>Representative</u>	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attack within a lined containment I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Huttfon Signature:	recoverable materials have be red above have <u>not</u> been under MAC the responsible party ma h a narrative of actions to data ent area (see 19.15.29.11(A)(5 formation given above is true and e required to report and/or file cent nment. The acceptance of a C-14 igate and remediate contamination of a C-141 report does not relieved and rew	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my kno rtain release notifications and p 11 report by the OCD does not : n that pose a threat to groundw e the operator of responsibility 	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that pur perform corrective actions for re relieve the operator of liability s ater, surface water, human healt for compliance with any other f <u>Representative</u>	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attach within a lined containmed I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Hutton Signature: email: huttona@kfoc.ne	recoverable materials have be red above have <u>not</u> been under MAC the responsible party ma h a narrative of actions to data ent area (see 19.15.29.11(A)(5 formation given above is true and e required to report and/or file cent nment. The acceptance of a C-14 igate and remediate contamination of a C-141 report does not relieved and rew	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my kno rtain release notifications and p 11 report by the OCD does not : n that pose a threat to groundw e the operator of responsibility 	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that pur perform corrective actions for re relieve the operator of liability s ater, surface water, human healt for compliance with any other f <u>Representative</u> <u>1/2023</u>	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In
Released materials I All free liquids and If all the actions describ Per 19.15.29.8 B. (4) NI has begun, please attack within a lined containment I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Huttfon Signature:	recoverable materials have be red above have <u>not</u> been under MAC the responsible party ma h a narrative of actions to data ent area (see 19.15.29.11(A)(5 formation given above is true and e required to report and/or file cent nment. The acceptance of a C-14 igate and remediate contamination of a C-141 report does not relieved and rew	een removed and managed a rtaken, explain why: ay commence remediation i e. If remedial efforts have 5)(a) NMAC), please attach complete to the best of my kno rtain release notifications and p 11 report by the OCD does not : n that pose a threat to groundw e the operator of responsibility 	ppropriately. mmediately after discovery of been successfully completed all information needed for cl owledge and understand that pur perform corrective actions for re relieve the operator of liability s ater, surface water, human healt for compliance with any other f <u>Representative</u> <u>1/2023</u>	of a release. If remediation 1 or if the release occurred losure evaluation. rsuant to OCD rules and cleases which may endanger should their operations have th or the environment. In

## State of New Mexico Oil Conservation Division

Incident ID	nAPP2326452170
District RP	
Facility ID	
Application ID	

# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>305 (ft bgs)</u>
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗆 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗋 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🔲 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes 🛛 No

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

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

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

🛛 Field data

Reci

- Data table of soil contaminant concentration data
- Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 5/1/2024 9:28	::40 AM			Page 23 of 3
<b>A 1 1 1</b>	04-4CN			
'otm C-141	State of Ner		Incident ID	nAPP2326452170
age 4	Oil Conservat	ion Division	District RP	
			Facility ID	
			Application I	D
Addition, OCD acceptance and/or regulations. Printed Name: <u>Hutton A</u>	of a C-141 report does not relie		S Representative	ier iederal, state, or local laws
Signature:	n N	Date: <u>09/</u>	<u>21/2023</u>	
email: <u>huttona@kfoc.ne</u>	ət	Telephone	e: ( <u>918)-494-0000</u>	
OCD Only				
Received by:		Da	te:	
그는 것 그 방송은 강경한 그는 영향을				

orm C-141	State	of New Mexico	an a	ent ID	nAPP2326452170
age 5	Oil Con	servation Division	Distri		IIATT2320432170
			Facili		
			the second se	cation ID	
		Remediation	n Plan		
Remediation Plan C	hecklist: Each of the fo	llowing items must be include	ed in the plan.		
<ul> <li>Scaled sitemap w</li> <li>Estimated volume</li> <li>Closure criteria is</li> </ul>		wing delineation points		) approval is	required)
Deferral Requests O	nly: Each of the followi	ing items must be confirmed	as part of any request f	or deferral o	f remediation.
Contamination m	ust be in areas immediate	ely under or around productior	a equipment where remo	ediation could	d cause a major facility
Contamination m deconstruction.	ust be in areas immediate nination must be fully del		equipment where remo	ediation could	d cause a major facility
Contamination m deconstruction.	nination must be fully del				d cause a major facility
Contamination m deconstruction. Extents of contam Contamination do hereby certify that the rules and regulations a which may endanger hability should their of surface water, human	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen	lineated.	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
<ul> <li>Contamination m deconstruction.</li> <li>Extents of contam</li> <li>Contamination do</li> <li>I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com</li> </ul>	nination must be fully del bes not cause an imminen ne information given abou all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the environment and complete to the to report and/or file certain re- ronment. The acceptance of a adequately investigate and ren it. In addition, OCD acceptan ederal, state, or local laws and/	vironment, or groundwa best of my knowledge a lease notifications and C-141 report by the OC nediate contamination the ce of a C-141 report do 'or regulations.	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do I hereby certify that ff rules and regulations a which may endanger liability should their of surface water, human responsibility for com	nination must be fully del bes not cause an imminen ne information given abou all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren it. In addition, OCD acceptan ederal, state, or local laws and/ 	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do for regulations. <u>EHS Representative</u>	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do I hereby certify that ff rules and regulations a which may endanger liability should their of surface water, human responsibility for com	nination must be fully del bes not cause an imminen ne information given abou all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren it. In addition, OCD acceptan ederal, state, or local laws and/ 	vironment, or groundwa best of my knowledge a lease notifications and C-141 report by the OC nediate contamination the ce of a C-141 report do 'or regulations.	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do Contamination do I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com Printed Name: Hurton Signature:	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ Title: Date:	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do for regulations. <u>EHS Representative</u>	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do hereby certify that the rules and regulations a which may endanger p iability should their of surface water, human responsibility for com Printed Name: Hurton Signature:	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ Title: Date:	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do for regulations. <u>EHS Representative</u> <u>09/21/2023</u>	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
<ul> <li>☑ Contamination m deconstruction.</li> <li>☑ Extents of contam</li> <li>☑ Contamination do</li> <li>I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com</li> <li>Printed Name: Hutton</li> <li>Signature:</li> <li>email: huttona@kfoc.</li> </ul>	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ Title: Date:	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do for regulations. <u>EHS Representative</u> <u>09/21/2023</u>	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com Printed Name: Hutton Signature: Huttona@kfoc.	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe	lineated. t risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ Title: Date: Telepl	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do for regulations. <u>EHS Representative</u> <u>09/21/2023</u>	ter. Ind understan perform corre D does not r nat pose a thr	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
Contamination m deconstruction. Extents of contam Contamination do I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com Printed Name: Hutton Signature: Huttona@kfoc.	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe Andrew	lineated. t risk to human health, the env ve is true and complete to the to report and/or file certain re onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ Title: Date: Telepl	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do or regulations. <u>EHS Representative</u> 09/21/2023 hone: (918)-494-0000	ter. Ind understan perform corre D does not r at pose a thr es not relieve	d that pursuant to OCD ective actions for release elieve the operator of eat to groundwater,
<ul> <li>☑ Contamination m deconstruction.</li> <li>☑ Extents of contam</li> <li>☑ Contamination do</li> <li>I hereby certify that the rules and regulations a which may endanger p liability should their of surface water, human responsibility for com</li> <li>Printed Name: Hutton Signature:</li> <li>mail: huttona@kfoc.</li> <li>OCD Only</li> <li>ceceived by:</li> <li>] Approved</li> </ul>	nination must be fully del bes not cause an imminen ne information given abov all operators are required public health or the enviro operations have failed to a health or the environmen opliance with any other fe Andrew	lineated. It risk to human health, the env ve is true and complete to the to report and/or file certain re- onment. The acceptance of a adequately investigate and ren nt. In addition, OCD acceptan ederal, state, or local laws and/ 	vironment, or groundwa best of my knowledge a lease notifications and j C-141 report by the OC nediate contamination th ce of a C-141 report do or regulations. <u>EHS Representative</u> 09/21/2023 hone: (918)-494-0000	ter. und understam perform corre D does not re at pose a thr es not relieve	d that pursuant to OCD active actions for releases elieve the operator of eat to groundwater, the operator of



# APPENDIX B

**Referenced Well Records** 



Released to Imaging: 5/20/2024 8:25:25 AM

# New Mexico Office of the State Engineer Point of Diversion Summary

			(1				E 3=SW () largest)	4=SE)	(NAD83	3 U	ΓM in meters)	
Well Tag		<b>Number</b> 00872 POD1	••				Tws 23S	<b>Rng</b> 34E		X	Y 3577504*	
	CIU	00721001	1	1	1	00	255	JTL	04122		5577504	
Driller Lic	ense:	1184	Drille	r Con	ipan	ıy:	WE	ST TE	XAS WAT	ΈI	R WELL SERV	ICE
Driller Nar	me:	COLLIS, ROBER	ΤЕ.									
Drill Start	Date:	09/29/1997	Drill F	inish	Dat	e:	10	)/03/19	97	Ph	ug Date:	
Log File Da	ate:	12/01/1997	PCW	Rcv I	)ate:	:	03	8/01/19	99	So	urce:	Shallow
Pump Type	e:	SUBMER	Pipe D	oischa	rge	Size:	1.	5		Es	timated Yield:	30 GPM
Casing Size	e:	7.00	Depth	Well	:		49	94 feet		De	pth Water:	305 feet
	Wate	er Bearing Stratific	cations:		То	рE	Bottom	Desc	ription			
					35	0	415	Sand	lstone/Gra	ve]	l/Conglomerate	
					41	8	460	Othe	r/Unknow	'n		
					46	1	481	Othe	r/Unknow	'n		
		Casing Perfo	orations:		То	рE	Bottom					
					35	0	494					
	Mete	er Number:	8472			N	Meter N	Make:		S	EAMETRICS	
	Mete	er Serial Number:	0420180	0124	3	N	Meter N	Multip	lier:	1.	0000	
	Num	ber of Dials:	8			N	Meter 7	Гуре:		D	iversion	
	Unit	of Measure:	Barrels 4	42 gal		F	Return	Flow I	Percent:			
						-		g Freq		~	uarterly	

<b>Read Date</b>	Year	Mtr Reading	Flag	Rdr Comment	Mtr Amount Online
12/11/1999	1999	653040	А	jw	0
04/04/2000	2000	653040	А	jw	0
07/03/2000	2000	825869	А	jw	5.304

12/31/2000	2000	1142618	А	jw		9.721
03/31/2001	2001	1170037	А	jw		0.841
06/30/2001	2001	1347781	А	jw		5.455
09/30/2001	2001	1480212	А	jw		4.064
12/31/2001	2001	1697970	А	jw		6.683
03/31/2002	2002	1707596	А	jw		0.295
07/14/2002	2002	1785094	А	jw		2.378
09/30/2002	2002	1844508	А	jw		1.823
01/01/2003	2003	1934739	А	jw		2.769
03/31/2003	2003	2051807	А	jw		3.593
06/30/2003	2003	2197495	А	jw		4.471
09/30/2003	2003	2346900	А	jw		4.585
01/01/2004	2004	33991	R	jw	Meter has been replaced	235.908
04/01/2004	2004	315287	А	jw		8.633
06/29/2004	2004	585026	А	jw		8.278
08/16/2004	2004	716546	А	jw		4.036
09/30/2004	2004	125830	R	jw	New Meter	288.760
01/01/2005	2005	735508	А	jw		0
01/18/2005	2005	387193	А	jw		8.021
04/06/2005	2005	756024	А	jw		0.630
07/11/2005	2005	170600	А	jw		0
10/14/2005	2005	363300	А	jw		5.914
12/29/2005	2005	509100	А	RPT		4.474
05/16/2006	2006	793630	А	RPT		8.732
08/05/2006	2006	1071018	А	RPT		8.513
10/31/2006	2006	1380530	А	RPT		9.499
01/07/2019	2019	0	А	RPT	New Meter	0
03/31/2019	2019	105049	А	RPT		13.540
07/01/2019	2019	175266	А	RPT		9.051
10/01/2019	2019	266350	А	RPT		11.740
01/07/2020	2019	266350	А	RPT		0
04/01/2020	2020	335809	А	RPT		8.953
07/02/2020	2020	430850	А	RPT		12.250
10/09/2020	2020	430850	А	RPT		0

.

ad	А	788994	2021	10/05/2021
ad	А	788994	2022	01/01/2022
ad	А	897531	2022	04/01/2022
ad	А	1003301	2022	07/10/2022
ad	А	1003301	2022	10/10/2022
ad	А	1237886	2023	07/03/2023
ad	А	1299937	2023	10/09/2023
Amount		Year	er Amounts:	**YTD Met
0		1999		
15.025		2000		
		2000		
17.043		2000		
17.043 4.496				
		2001		
4.496		2001 2002		
4.496 15.418		2001 2002 2003		
4.496 15.418 545.615		2001 2002 2003 2004		
4.496 15.418 545.615 19.039		2001 2002 2003 2004 2005		
4.496 15.418 545.615 19.039 26.744		2001 2002 2003 2004 2005 2006		
4.496 15.418 545.615 19.039 26.744 34.331		2001 2002 2003 2004 2005 2006 2019		
4.496 15.418 545.615 19.039 26.744 34.331 21.203		2001 2002 2003 2004 2005 2006 2019 2020		
4.496 15.418 545.615 19.039 26.744 34.331 21.203 46.162		2001 2002 2003 2004 2005 2006 2019 2020 2021		

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

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

10/30/23 12:26 PM

POINT OF DIVERSION SUMMARY

46.162

30.236 7.998

0 13.990 13.633 0



# APPENDIX C

Lithologic Soil Sampling Logs

			Sample Name: BH01	Date: 9/27/23
	<b>NSOLU</b>	R.A	Site Name: Bell Lake Norh Pad 1	
			Incident Number: nAPP23264521	70
			Job Number: 03A2431002	
LITHOLOG	GIC / SOIL SAMPLING LOG		Logged By: Cole Burton	Method: Hand Auger
Coordinates: 32.33288, -10			Hole Diameter: 3"	Total Depth: 1'
Comments: Field screening soil to distilled water. No c	g conducted with the MOHR titration n orrection factors included.	nethod for	<sup>-</sup> chloride. Chloride test performed	with 1:1 dilution factor of
Moisture Content Chloride (ppm) Vapor (ppm)	OSampleadDepthddDepthdd(ft bgs)	USCS/Rock Symbol	Lithologic De	scriptions
M	Y BH01 0 1 0	CCHE	Caliche: Light brown, Staini	ng, Med grade
D 100 M	N ВН01 0 1	SP-SM	Light brown sand/silt: No	ncohesive, Med grade
	Terminal	Depth @	) 1 ft bgs	

								Sample Name: BH02	Date: 9/28/23
			N	C	ΟΙ		Μ	Site Name: Bell Lake Norh Pa	
								Incident Number: nAPP2326	452170
							Job Number: 03A2431002		
		LITHOL	OGI	C / SOIL S	SAMPLING	6 LOG		Logged By: Cole Burton	Method: Hand Auger
		2.33231, -						Hole Diameter: 3"	Total Depth: 1'
					vith the MOF ors included		method fo	r chloride. Chloride test perfo	ormed with 1:1 dilution factor of
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologi	c Descriptions
М			Y	BH02	0	0	CCHE	Caliche: Light brov	vn, Staining, Med grade
М	5000		N	BH02	- 1 -		SP-SM	C C	
М	3500		N	BH02	2	2	SP-SM	Light brown sand/silt	: Noncohesive, Med grade
D	700		N	BH02	3	3	SP-SM	Light brown sand/sit	
Л	100		Ν	BH02	<u> </u>		SP-SM		
N	100			DITOL		Terminal		0 4 ft bgs	

								Sample Name: BH03	Date: 9/28/23
				C		LU		Site Name: Bell Lake Norh Pad 1	
				3				Incident Number: nAPP2326452	
								Job Number: 03A2431002	
		LITHOL	OGI	C / SOIL S		6 LOG		Logged By: Cole Burton	Method: Hand Auger
Coord	inates: 32	2.33256, -	103.5	53281				Hole Diameter: 3"	Total Depth: 1'
			-		ith the MO⊦ ors included		nethod fo	r chloride. Chloride test perform	ed with 1:1 dilution factor of
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic D	escriptions
М			Y	BH04	0 1	L 0	CCHE	Caliche: Light brown,	Staining, Med grade
м			N	BH04	- - 1 _ -		SP-SM	,	6,
D	500		N	BH04	2	2	SP-SM	Light brown sand/silt: N	oncohesive, Med grade
D	100		N	BH04	-3	– 3	SP-SM		
K				21.0		Terminal		) 3 ft bgs	

Ste Name: Bell Lake North Pad 1         Incident Number: nAPP3226452170         Job Number: NAPP3226452170         Job Number: S032431002         Introduct Conditionates: 32.332570, 103.532824         Hole Diameter: 31       Total Depth: 31         Coordinates: 32.332570, 103.532824       Hole Diameter: 31       Total Depth: 31         Coordinates: 32.332570, 103.532824       Hole Diameter: 31       Total Depth: 31         Coordinates: 32.332570, 103.532824       Hole Diameter: 31       Total Depth: 31         Contract: Field Screening Conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         any storing of the screening Conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         any storing of the screening Conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         any storing of the screening Conducted with MOHR Titration Method for chloride. Screening Conducted water is the screening Conducted with MOHR Titration Method for chloride. Screening Conducted water is the screening Conducted water in the screening Conducted water is the		Sample Name: BH04 Date: 09/28/2023
Job Number: 03A2431002         LITHOLOGIC / SOIL SAMPLING LOG       Logged By: Cole Burton       Method: Hand Auger         Coordinates: 32.332570, -103.532824       Hole Diameter: 3"       Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3'         Option of the screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3'         Total Depth: 3'         Option of the screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3'         Option of the screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3''         Option of the screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Miles of the screening conducted with MOHR Titration Method for CHL method (from screening conducted water. No correction factor		Site Name: Bell Lake North Pad 1
LITHOLOGIC / SOIL SAMPLING LOG       Logged By: Cole Burton       Method: Hand Auger         Coordinates: 32.332570, -103.532824       Hole Diameter: 3"       Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.       Itel Depth         and to distilled water. No correction factors       and ang and ang and ang		Incident Number: nAPP2326452170
Coordinates: 32.332570, -103.532824       Hole Diameter: 3"       Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3'         Total Depth: 3'         Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 3'         Total Depth: 3'         Total Depth: 1:1 dilution factor of soil to distilled water. No correction factors included.         Total Depth: 1:1 dilution factor of soil         Total Depth: 3'         Digrad of the base of the b		Job Number: 03A2431002
Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         and to distilled water. No correction factors included.       Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         and to distilled water. No correction factors included.       Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         and to distilled water. No correction factors included.       Comments: Field screening conducted with MOHR Titration Method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         and to distilled water. No correction factors included.       Depth (ft bgs)       Depth (ft b		
to distilled water. No correction factors included.		
M       Y       BH04       0       I       0       CCHE       Caliche: Light brown, Staining, Med grade         D       N       BH04       1       1       SP-SM       SP-SM         D       500       N       BH04       2       2       SP-SM       Light brown sand/silt: Noncohesive, Med grade         D       100       N       BH04       3       3       SP-SM		chloride. Chloride test performed with 1:1 dilution factor of soil
D       N       BH04       1       1       SP-SM         D       500       N       BH04       2       2       SP-SM         Light brown sand/silt: Noncohesive, Med grade         D       100       N       BH04       3       3       SP-SM		
D       N       BH04       1       1       SP-SM         D       500       N       BH04       2       2       SP-SM         Light brown sand/silt: Noncohesive, Med grade         D       100       N       BH04       3       3	М У ВНО4 О 🛄 О ССН	E Caliche: Light brown, Staining, Med grade
D 100 N BH04 3 T 3 SP-SM	D N BH04 1 1 SP-S	
	D 500 N BH04 2 1 2 SP-5	M Light brown sand/silt: Noncohesive, Med grade
		м

			Sample Name: BH05	Date: 09/29/2023				
	N S O L		Site Name: Bell Lake North Pad 1	•				
	NJUL		Incident Number: nAPP23264521	70				
		Job Number: 03A2431002						
	OGIC / SOIL SAMPLING L	Logged By: Ashley Giovengo	Method: Hand Auger					
Coordinates: 32.332354			Hole Diameter: 3"	Total Depth: 2'				
Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content Chloride (ppm) Vapor (ppm)		Lithologic Descriptions						
M 4.6	Y ВНО5 0 Ш -	0 CCHE	Caliche: Light brown, S	itaining, Med grade				
D 3.1	N BH05 1 -	1 SP-SM						
	‡		Light brown sand/silt: No	ncohesive, Med grade				
D <1.0	N BH05 2	2 SP-SM minal Depth @						

							Sample Name: BH06	Date: 09/28/2023		
		NI	C		_ U	NЛ	Site Name: Bell Lake North Pad 1	• • •		
					- 0		Incident Number: nAPP23264521	70		
					Job Number: 03A2431002					
			-	AMPLING	i LOG		Logged By: Ashley Giovengo	Method: Hand Auger		
Coordinates: 3							Hole Diameter: 3"	Total Depth: 0.5'		
Comments: Field screening conducted with MOHR Titration Method PID for chloride and vapor, respectively. Chloride test perform with 1:1 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content Chloride Chlo							scriptions			
М	4	Y	BH06	0	0	CCHE	Caliche: Light brown, S	taining, Med grade		
D	<1.0	Ν	BH06	0.5	0.5	SP-SM	Light brown sand/silt: No			
				Те	rminal De	pth @ 0	.5 feet bgs.			

ENSOLUM       Site Name: Bell Lake North Pad 1         Incident Number: nAPP2326452170         Job Number: 03A2431002         LITHOLOGIC / SOIL SAMPLING LOG         Logged By: Ashley Giovengo         Method: Hand Auger         Coordinates: 32.332484, -103.532893         Hole Diameter: 3"         Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.									Sample Name: BH07	Date: 09/28/2023
Job Number: 03A2431002         LITHOLOGIC / SOIL SAMPLING LOG       Logged By: Ashley Giovengo       Method: Hand Auger         Coordinates: 32.332484, -103.532893       Hole Diameter: 3"       Total Depth: 3"         Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test         Deptiments: field screening conducted with (ft bgs)         Upper total beptiments       Deptiments       <					C			RA		
LITHOLOGIC / SOIL SAMPLING LOG       Logged By: Ashley Giovengo       Method: Hand Auger         Coordinates: 32.332484, -103.532893       Hole Diameter: 3"       Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.       Interview of the sector					3					
Coordinates: 32.332484, -103.532893       Hole Diameter: 3"       Total Depth: 3'         Coordinates: 32.332484, -103.532893       Hole Diameter: 3"       Total Depth: 3'         Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.         Output: 90 (E.G. Semple Depth (ft bgs)       CCHE       Caliche: Light brown, Staining, Med grade         D       6       N       BH07       1       1       SP-SM       Light brown sand/silt: Noncohesive, Med grade         D       N       BH07       3       3       SP-SM       Light brown sand/silt: Noncohesive, Med grade										
Comments: Field screening conducted with MOHR Titration Method and PID for chloride and vapor, respectively. Chloride test berformed with 1:1 dilution factor of soil to distilled water. No correction factors included.         and tip of	LITHOLOGIC / SOIL SAMPLING LOG							Logged By: Ashley Giovengo	Method: Hand Auger	
M       4       Y       BH07       0       O       CCHE       Caliche: Light brown, Staining, Med grade         D       6       N       BH07       2       2       SP-SM       Lithologic Descriptions         D       N       BH07       3       3       SP-SM       Light brown sand/silt: Noncohesive, Med grade	Coord	inates: 3	2.332484	, -103	.532893				Hole Diameter: 3"	Total Depth: 3'
M       4       Y       BH07       0       I       0       CCHE       Caliche: Light brown, Staining, Med grade         D       6       N       BH07       1       1       SP-SM       Caliche: Light brown, Staining, Med grade         D       6       N       BH07       1       1       SP-SM       SP-SM         D       N       BH07       2       2       SP-SM       Light brown sand/silt: Noncohesive, Med grade         D       N       BH07       3       3       SP-SM       SP-SM								tively. Chloride test		
D       6       N       BH07       1       1       SP-SM         D       N       BH07       2       2       SP-SM       Light brown sand/silt: Noncohesive, Med grade         D       N       BH07       3       3       SP-SM       Light brown sand/silt: Noncohesive, Med grade	Moisture Content	Moisture ContentContent ContentChloride (ppm)Chloride 						Lithologic De	escriptions	
D     N     BH07     2     2     SP-SM     Light brown sand/silt: Noncohesive, Med grade       D     N     BH07     3     3     SP-SM	Μ		4	Y	BH07	0	0	CCHE	Caliche: Light brown,	Staining, Med grade
D N BH07 3 3 SP-SM	D		6	N	BH07	1		SP-SM		
	D			Ν	BH07	2	2	SP-SM	Light brown sand/silt: No	oncohesive, Med grade
	D			N	BH07	3	3	SP-SM		
	l									
•

		Sample Name: PH01 Date: 9/27/23	
	NSOLU		
	NJOLO	Incident Number: nAPP2326452170	
		Job Number: 03A2431002	
	OLOGIC / SOIL SAMPLING LOG	Logged By: Cole Burton Method: Backho	e
Coordinates: 32.3322		Hole Diameter: 3' Total Depth: 1'	
	ening conducted with the MOHR titration r No correction factors included.	method for chloride. Chloride test performed with 1:1 dilution	actor of
Moisture Content Chloride (ppm) Vapor	Image: Second conditionImage: Second		
M 200	Y BH01 0 1 0	CCHE Caliche: Light brown, Staining, Med g	ade
D 100	N BH01 0 1	SP-SM Light brown sand/silt: Noncohesive, Med	l grade
		Depth @ 1 ft bgs	0

•

E					Sample Name: PH02	Date: 9/27/23
		SOI		M	Site Name: Bell Lake Norh Pad	1
		301			Incident Number: nAPP23264	52170
					Job Number: 03A2431002	
		C / SOIL SAMPLING	6 LOG		Logged By: Cole Burton	Method: Backhoe
Coordinates: 32.33246, -103.53257					Hole Diameter: 3'	Total Depth: 1'
		ection factors included		nethod foi	chloride. Chloride test perfor	ned with 1:1 dilution factor of
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	OSampleadDepthKey(ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic	Descriptions
M 3700	Y	BH01 0 <u> </u> -	L 0	CCHE	Caliche: Light browr	n, Staining, Med grade
		BH01 0		SP-SM	Red sand/silt: Non	cohesive, Med grade
D 200	N		<u> </u>			



APPENDIX D

Photographic Log

Released to Imaging: 5/20/2024 8:25:25 AM



W 270



Date: 9/21/2023

Photograph 5 Description: Initial Release Area View: South

Burned equipment Ensolum, LLC

> Photograph 6 Description: Initial Release Area View: South

Burned equipmer

Ensolum, LLC

Date: 9/21/2023

ake North Pad 1

Sep 2023, 11:11:15 AM

















# APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to: Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E309221

Job Number: 23078-0001

Received: 9/29/2023

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 9/29/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 9/29/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E309221 Date Received: 9/29/2023 6:30:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 6:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
SS02-0'	6
SS03-0'	7
SS04-0'	8
SS05-0'	9
SS06-0'	10
SS07-0'	11
SS08-0'	12
SS09-0'	13
SS10-0'	14
SS11-0'	15
BH01-0'	16
BH01-1'	17
PH01-0'	18
PH01-1'	19
PH02-0'	20
PH02-1'	21
Definitions and Notes	22
Chain of Custody etc.	23

#### Sample Summary

		Sample Sum	mary		
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Bell Lake North Pa 23078-0001 Ashley Giovengo	d 1	<b>Reported:</b> 09/29/23 17:36
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E309221-01A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S02-0'	E309221-02A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S03-0'	E309221-03A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
'S04-0'	E309221-04A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
'S05-0'	E309221-05A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
'S06-0'	E309221-06A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S07-0'	E309221-07A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S08-0'	E309221-08A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S09-0'	E309221-09A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
S10-0'	E309221-10A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
SS11-0'	E309221-11A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
BH01-0'	E309221-12A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
BH01-1'	E309221-13A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
'H01-0'	E309221-14A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
H01-1'	E309221-15A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
'H02-0'	E309221-16A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.
H02-1'	E309221-17A	Solid	09/27/23	09/29/23	Glass Jar, 2 oz.



		ampic D	utu			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numb		Lake North Pa 78-0001	d 1		Reported:
Carlsbad NM, 88220	Project Manag		ley Giovengo			9/29/2023 5:36:12PM
		SS01-0'				
		E309221-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
o-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	52.5	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		85.8 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	yst: RAS		Batch: 2339108
Chloride	37.7	20.0	1	09/29/23	09/29/23	



	2	bample D	ลเล			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Num	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS02-0'				
		E309221-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
oluene	ND	0.0250	1	09/29/23	09/29/23	
-Xylene	ND	0.0250	1	09/29/23	09/29/23	
,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
urrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.5 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
urrogate: n-Nonane		91.6 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2339108
Chloride	110	20.0	1	09/29/23	09/29/23	



	2	bample D	ลเล			
Kaiser Francis Oil Company	Project Name		Lake North Pad	1		
1224 Standpipe Rd	Project Num		78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS03-0'				
		E309221-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Foluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		86.7 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



	2	bample D	ala			
Kaiser Francis Oil Company	Project Name		Lake North Pac	11		
1224 Standpipe Rd	Project Numl		78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS04-0'				
		E309221-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Foluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		100 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



	2	bample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Num		Lake North Pa 78-0001	d 1		Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS05-0'				
		E309221-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Foluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.7 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Gurrogate: n-Nonane		91.0 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



	5	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Numb	ber: 230	Lake North Pad 78-0001	1		Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS06-0'				
		E309221-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		84.2 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339108
Chloride	34.9	20.0	1	09/29/23	09/29/23	



	2	bample D	ลเล			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pa	d 1		
1224 Standpipe Rd	Project Num	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS07-0'				
		E309221-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		90.2 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



	2	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pa	d 1		
1224 Standpipe Rd	Project Numl	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS08-0'				
		E309221-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		103 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



	3	ample D	ata			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo		9/29/2023 5:36:12PM	
		SS09-0'				
		E309221-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
p,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		102 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



		ampic D	ala			
Kaiser Francis Oil Company	Project Name		Lake North Pad 1			
1224 Standpipe Rd	Project Num	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo	9/29/2023 5:36:12PM		
		SS10-0'				
		E309221-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY	Batch: 2339096	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.3 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		107 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numb	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		SS11-0'				
		E309221-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		102 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	

#### Sample Data

	3	ample D	ata			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numl	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo	9/29/2023 5:36:12PM		
		BH01-0'				
		E309221-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		102 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2339108
Chloride	5320	100	5	09/29/23	09/29/23	

#### Sample Data

	D	ample D	ata			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo	9/29/2023 5:36:12PM		
		BH01-1'				
		E309221-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
urrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
urrogate: n-Nonane		103 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2339108
Chloride	49.9	20.0	1	09/29/23	09/29/23	

#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			9/29/2023 5:36:12PM
		PH01-0'				
		E309221-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
foluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Total Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		105 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339108
Chloride	24.6	20.0	1	09/29/23	09/29/23	

# Sample Data

	3	ample D	ata			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numl	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo	9/29/2023 5:36:12PM		
		PH01-1'				
		E309221-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		91.7 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	

	D	ampic D	ala			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad 1			
1224 Standpipe Rd	Project Num	ber: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	nger: Ash	ley Giovengo		9/29/2023 5:36:12PM	
		PH02-0'				
		E309221-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
p-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: IY			Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		85.5 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2339108
Chloride	4260	40.0	2	09/29/23	09/29/23	



# Sample Data

	S	sample D	ata			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Num	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			9/29/2023 5:36:12PM
		PH02-1'				
		E309221-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2339096
Benzene	ND	0.0250	1	09/29/23	09/29/23	
Ethylbenzene	ND	0.0250	1	09/29/23	09/29/23	
Toluene	ND	0.0250	1	09/29/23	09/29/23	
o-Xylene	ND	0.0250	1	09/29/23	09/29/23	
o,m-Xylene	ND	0.0500	1	09/29/23	09/29/23	
Fotal Xylenes	ND	0.0250	1	09/29/23	09/29/23	
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2339096
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	09/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	09/29/23	09/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2339100
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	09/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/29/23	09/29/23	
Surrogate: n-Nonane		93.9 %	50-200	09/29/23	09/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2339108
Chloride	ND	20.0	1	09/29/23	09/29/23	



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/29/23 17:36

ND	Analyte NOT DETECTED at or above the reporting limit
1.2	maryte no i bbilbe ibb at of acove are reporting initi

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



**Project Information** 

Releasea

3

Imaging:

S

2

8:2

2

AM

	Kaiser-Franci				Bill To						se On				T.	AT	EPA P	rogram
	Bell Lake No				Attention: Hutton Andrew		Lab	WO	#122		Job Number			2D	3D		CWA	SDWA
	Manager: As				Address: 6733 Tale Ave		E3	09	122			1000-870				12000		
	: 3122 Natio				City, State, Zip: Tulsa OK, 7413	6					Analy	sis and Metho	d	~			1	RCRA
	te, Zip Carls		88220		Phone: 580-307-7363			yd C		100								
	575-988-005 giovengo@e		Sau .		Email: huttona@kfoc.net			/OR(								1	State	
	due by:	ensolum.c	tom					DRO	021	60	10	0.00	WN		XL	NM CO	UT AZ	TX
Time						Lab		RO/	by 8(	y 82	s 60:	de 3	N	1		×		
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	ł.
12:29	9/27/2023	Soil	1 Jar		SS01 - 0'								x					
	9/27/2023	Soil	1 Jar		SS02 - 0'	2							x					
	9/27/2023	Soil	1 Jar		SS03 - 0'	3							x					
	9/27/2023	Soil	1 Jar		SS04 - 0'	4							x					
	9/27/2023	Soil	1 Jar		SS05 - 0'	5							х					
	9/27/2023	Soil	1 Jar		SS06 - 0'	6							x		-			
11:54	9/27/2023	Soil	1 Jar		SS07 - 0'	7							х					
	9/27/2023	Soil	1 Jar		SS08 - 0'	8							x					
	9/27/2023	Soil	1 Jar		SS09 - 0'	9							x					
12:02	9/27/2023	Soil	1 Jar		SS10 - 0'	10							x					
ddition	al Instruction	ns: Plea	ise CC: cl	ourton@ensol	um.com, agiovengo@ensolum.com,	chamilton@e	nsol	um.c	com,	ehaf	t@er	solum.com						
				ty of this sample. I y be grounds for le	am aware that tampering with or intentionally mi gal action. <u>Sampled by:</u> C A	slabelling the samp $\ell$	e locat	tion,								aceived on ice the day less than 6 °C on subs		led or
linquishe	ed by: (Signatur Le H ed by: (Signatur	e)		Time	Received by: (Signature) Received by: (Signature) Received by: (Signature)	Date 9280 Date	23	Time D	700		Rece	ived on ice:		ab Us / N	se Or	nly		
Nice	rela tu	upels		18:23 15	15 Kennety Gurule	9-25-2	3	15	15		T1	in the second second	T2			<u>T3</u>		
	ed by: (Signatur	10	Date	Time 6-23 211	Received by: (Signature)	Date 9/29/2		Time	30			Temp °C_4						

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Page |

envirotech

lient: Kaiser-Francis Oil Company					Bill To			Lab Use Only					TAT			rogram
Project: Bell Lake North Pad 1					Attention: Hutton Andrew					Number	1D 2D	3D	Standard	CWA	SDWA	
Project Manager: Ashley Giovengo					Address: 6733 Tale Ave		E309221			307800			more			
Address: 3122 National Parks Hwy					City, State, Zip: Tulsa OK, 74136			Analysis and M					1 1		-	RCRA
City, State, Zip Carlsbad NM, 88220					Phone: 580-307-7363			1		T			TT			
Phone: 575-988-0055					Email: huttona@kfoc.net		RO								State	
Email: agiovengo@ensolum.com							0/0				0.	WN		NM CO	UTAZ	TX
Report o							/DR	8021	3260	010	300		TX	×		
Time			No. of	C 1 10		Lab	GRO	p A	p A	als 6	ride	00	C			
Sampled	Date Sampled	Matrix	Containers	Sample ID		Number	TPH GRO/DRO/ORO by	8015 BTEX bv 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	GDOC		Remarks	1.1
12:05	9/27/2023	Soil	1 Jar		SS11 - 0'	11						x				rogram SDWA RCRA
11:27	9/27/2023	Soil	1 Jar		BH01 - 0'	12			+			x				
11:30	9/27/2023	Soil	1 Jar		BH01 - 1'				+	-		x				
10:28	9/27/2023				PH01 - 0'	13		+	+	-	$\left  \right $	-	+			
10:33	9/27/2023	Soil	1 Jar		PH01 - 1'	14		-	-	-		x				
		Soil	1 Jar			15		_	-	-		x				
	9/27/2023	Soil	1 Jar		PH02 - 0'	16						x				
10:45	9/27/2023	Soil	1 Jar		PH02 - 1'	17						x				
														1		
														-		
ddition	al Instructio	ns: Plea	ase CC: cl	ourton@ensolum	.com, agiovengo@ensolum.com, cl	namilton@e	ensolum	.com	n, eha	ft@e	ensolum.co	m				
				ty of this sample. I am a y be grounds for legal a	ware that tampering with or intentionally mislate tion. <u>Sampled by:</u>	pelling the samp	ole location	,		10000		and the second		eived on ice the day ess than 6 °C on subs		led or
elinquish	ed by: (Signatur	S Michelle Currele	Date 9-28-	Lab Use Only <u>0900</u> Received on ice: <u>V</u> / N												
elinquish Micl	ed by: (Signatur	re)	Date	28-23 1515	Received by: (Signature)	Date 9-25-2	Tim			T1		T2		Т3		
	ed by: (Signatur	e	Date	Time 5-73 ZIII	Received by: (Signature)	Date 9/29	Tim	e 063		AVG	6 Temp °C_	4				
21.11	trix: S - Soil, Sd - S	olid Se - Shu			mappy - Hur			_	_	_		mber glass,	V - VOA			
					s other arrangements are made. Hazardou										analysis of	the above
					y with this COC. The liability of the laborate							e chent exper	int	- open for the		
#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	Kaiser Francis Oil Company Da	te Received:	09/29/23 06:3	0	We	ork Order ID:	E309221
Phone:	(505) 382-1211 Da	te Logged In:	09/28/23 17:3	0	Lo	gged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com Du	e Date:	10/02/23 17:0	00 (1 day TAT)			
<u>Chain o</u>	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
2. Does t	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Cou	rier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes				
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes	_		<u>Commen</u>	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was th	he sample(s) received intact, i.e., not broken?		No				
10. Were	e custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ten	nperature: <u>4°</u>	<u>c</u>				
Sample	Container	-					
	aqueous VOC samples present?		No				
15. Are '	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
1 7 117	a trip blank (TB) included for VOC analyses?		NA				
17. Was	VOC 1 11 11 1 1		Yes				
	non-VOC samples collected in the correct containers?		103				
18. Are 1	appropriate volume/weight or number of sample containers?	collected?	Yes				
18. Are 1	appropriate volume/weight or number of sample containers	collected?					
<ol> <li>18. Are 1</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	appropriate volume/weight or number of sample containers <u>abel</u> e field sample labels filled out with the minimum inform		Yes				
<ol> <li>18. Are 1</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID?		Yes Yes				
18. Are 1 19. Is the Field La 20. Were	appropriate volume/weight or number of sample containers <u>abel</u> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes Yes				
18. Are n 19. Is the Field La 20. Were	appropriate volume/weight or number of sample containers <u>ubel</u> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes				
18. Are a 19. Is the Field La 20. Were 5 I 0 Sample	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes Yes Yes				
18. Are n 19. Is the Field La 20. Were S I C Sample 21. Does	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	Yes Yes Yes Yes No				
18. Are n 19. Is the Field La 20. Were 20. Were 5 1 0 21. Does 21. Does 22. Are s	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were preses sample(s) correctly preserved?	ation: rved?	Yes Yes Yes Yes				
18. Are n 19. Is the Field La 20. Were 20. Were 21. Does 22. Are s 24. Is lat	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ation: rved?	Yes Yes Yes Yes No NA				
18. Are 1 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lat Multiph	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> a the COC or field labels indicate the samples were prese sample(s) correctly preserved? to filteration required and/or requested for dissolved meta <b>nase Sample Matrix</b>	ation: rved?	Yes Yes Yes No NA No				
<ul> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lat</li> <li>Multiph</li> <li>26. Does</li> </ul>	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ation: rved? ls?	Yes Yes Yes No NA No No				
<ul> <li>18. Are n</li> <li>19. Is the Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lat</li> <li>Multiph</li> <li>26. Does</li> <li>27. If yet</li> </ul>	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were prese sample(s) correctly preserved? to filteration required and/or requested for dissolved meta <b>tase Sample Matrix</b> is the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: rved? ls?	Yes Yes Yes No NA No				
<ul> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lat</li> <li>Multiph</li> <li>26. Does</li> <li>27. If yet</li> <li>Subcont</li> </ul>	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were prese sample(s) correctly preserved? to filteration required and/or requested for dissolved meta <b>tase Sample Matrix</b> is the sample have more than one phase, i.e., multiphase?	ation: rved? ls?	Yes Yes Yes No NA No No				

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



envirotech Inc.

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E309239

Job Number: 23078-0001

Received: 9/30/2023

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 10/2/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 10/2/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E309239 Date Received: 9/30/2023 8:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 8:00:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

**Southern New Mexico Area Lynn Jarboe** Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH05 - 0'	5
BH05 - 1'	6
BH05 - 2'	7
BH06 - 0'	8
BH06 - 0.5'	9
BH07 - 0'	10
BH07 - 1'	11
BH07 - 2'	12
BH07 - 3'	13
SS12 - 0'	14
SS13 - 0'	15
QC Summary Data	16
QC - Volatile Organics by EPA 8021B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
Definitions and Notes	19
Chain of Custody etc.	20

#### Sample Summarv

		Sample Sum	mai y		
Kaiser Francis Oil Company		Project Name: Bell Lake North Pad 1			Reported:
1224 Standpipe Rd		Project Number:	23078-0001		Keporteu.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		10/02/23 13:09
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05 - 0'	E309239-01A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H05 - 1'	E309239-02A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H05 - 2'	E309239-03A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H06 - 0'	E309239-04A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H06 - 0.5'	E309239-05A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H07 - 0'	E309239-06A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H07 - 1'	E309239-07A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
3H07 - 2'	E309239-08A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
BH07 - 3'	E309239-09A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
S12 - 0'	E309239-10A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.
S13 - 0'	E309239-11A	Soil	09/29/23	09/30/23	Glass Jar, 2 oz.



	~	ample D					
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 2307	Lake North 78-0001 ley Gioveng				<b>Reported:</b> 10/2/2023 1:09:25PM
	110,000 1110100			,0			
		BH05 - 0'					
		E309239-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	1	Analyst: l	Y		Batch: 2339120
Benzene	ND	0.0250	1		09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1		09/30/23	09/30/23	
Toluene	ND	0.0250	1		09/30/23	09/30/23	
o-Xylene	ND	0.0250	1		09/30/23	09/30/23	
p,m-Xylene	ND	0.0500	1		09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1		09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130		09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: l	Y		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130		09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	ХM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1		09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1		09/30/23	09/30/23	
Surrogate: n-Nonane		97.6 %	50-200		09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: I	BA		Batch: 2339125
Chloride	679	20.0	1		09/30/23	10/02/23	



	3	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numb		Lake North Pad 78-0001	1		Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		BH05 - 1'				
		E309239-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
urrogate: n-Nonane		90.4 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2339125
Chloride	336	20.0	1	09/30/23	10/02/23	



	5	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numbe		Lake North Pad 1 78-0001	1		Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		BH05 - 2'				
		E309239-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
urrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
urrogate: n-Nonane		100 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2339125
Chloride	22.2	20.0	1	09/30/23	10/02/23	



	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	:: Bell	Lake North Pa	1 1		
1224 Standpipe Rd	Project Numb	ber: 230	78-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		BH06 - 0'				
		E309239-04				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
p-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	29.7	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		100 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2339125
Chloride	228	20.0	1	09/30/23	10/02/23	



		impic D	ucu			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 1:09:25PM
	]	BH06 - 0.5'				
	]	E309239-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	36.5	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		99.8 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2339125
Chloride	66.3	20.0	1	09/30/23	10/02/23	



	5	ample D	ลเล			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numbe	er: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		BH07 - 0'				
		E309239-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
p-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	34.7	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		99.7 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2339125
Chloride	5590	40.0	2	09/30/23	10/02/23	



	25	ample D	ลเล			
Kaiser Francis Oil Company	Project Name:		Lake North Pad 78-0001	1		Demented
1224 Standpipe Rd Carlsbad NM, 88220	Project Numbe Project Manag		/8-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 1:09:25PM
Carisbad Nivi, 88220	Project Manag	er. Asn	ley Glovengo			10/2/2023 1.09.23FW
		BH07 - 1'				
	-	E309239-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
p,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		96.5 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2339125
Chloride	7490	40.0	2	09/30/23	10/02/23	



	3	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numb		Lake North Pad 1 78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		BH07 - 2'				
		E309239-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
o-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		91.0 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2339125
Chloride	7280	40.0	2	09/30/23	10/02/23	



	Di	ample D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numbe		Lake North 78-0001	Pad 1			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Gioveng	j0			10/2/2023 1:09:25PM
		BH07 - 3'					
		E309239-09					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2339120
Benzene	ND	0.0250	1		09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1		09/30/23	10/01/23	
Toluene	ND	0.0250	1		09/30/23	10/01/23	
o-Xylene	ND	0.0250	1		09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1		09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1		09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130		09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130		09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	4		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1		09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1		09/30/23	10/01/23	
Surrogate: n-Nonane		103 %	50-200		09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2339125
Chloride	398	20.0	1		09/30/23	10/02/23	



# Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North P	ad 1		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		SS12 - 0'				
		E309239-10				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	27.4	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		104 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2339125
Chloride	29.5	20.0	1	09/30/23	10/02/23	

### Sample Data

	3	ample D	ata			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North Pad	11		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 1:09:25PM
		SS13 - 0'				
		E309239-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339120
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
o-Xylene	ND	0.0250	1	09/30/23	10/01/23	
p,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2339120
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.3 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2339124
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		97.9 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2339125
Chloride	ND	20.0	1	09/30/23	10/02/23	

# **QC Summary Data**

				v					
Kaiser Francis Oil Company		Project Name:	Be	ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	23	8078-0001					
Carlsbad NM, 88220		Project Manager:	As	shley Gioveng	go				10/2/2023 1:09:25PM
		Volatile Or	rganics b	oy EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2339120-BLK1)							Prepared: 0	9/30/23 A	analyzed: 09/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
LCS (2339120-BS1)							Prepared: 0	9/30/23 A	analyzed: 09/30/23
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.1	70-130			
Toluene	4.79	0.0250	5.00		95.7	70-130			
p-Xylene	4.75	0.0250	5.00		95.0	70-130			
o,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			
Matrix Spike (2339120-MS1)				Source:	E309234-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Benzene	4.64	0.0250	5.00	ND	92.9	54-133			
Ethylbenzene	4.50	0.0250	5.00	ND	90.1	61-133			
Toluene	4.67	0.0250	5.00	ND	93.4	61-130			
p-Xylene	4.61	0.0250	5.00	ND	92.2	63-131			
o,m-Xylene	9.34	0.0500	10.0	ND	93.4	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
Matrix Spike Dup (2339120-MSD1)				Source:	E309234-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Benzene	4.91	0.0250	5.00	ND	98.2	54-133	5.55	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	5.34	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	5.38	20	
p-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	5.52	20	
o,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	5.18	20 20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	5.29		

# **QC Summary Data**

		QC D	u 111 111	ary Data	u				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Bell Lake North 23078-0001 Ashley Gioveng					<b>Reported:</b> 10/2/2023 1:09:25PM
	No	nhalogenated C		, ,		RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2339120-BLK1)							Prepared: 0	9/30/23 A	nalyzed: 09/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.9	70-130			
LCS (2339120-BS2)							Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0		79.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.3	70-130			
Matrix Spike (2339120-MS2)				Source:	E309234-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			
Matrix Spike Dup (2339120-MSD2)				Source:	E309234-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	1.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			

# **QC Summary Data**

		QC D		ary Data	e .				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		Bell Lake North 23078-0001 Ashley Gioveng					<b>Reported:</b> 10/2/2023 1:09:25PM
	Nonh	alogenated Org	anics b	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2339124-BLK1)							Prepared: 0	9/30/23 A	Analyzed: 09/30/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							
Surrogate: n-Nonane	66.4		50.0		133	50-200			
LCS (2339124-BS1)							Prepared: 0	9/30/23 A	Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	66.7		50.0		133	50-200			
Matrix Spike (2339124-MS1)				Source:	E309239-	03	Prepared: 0	9/30/23 A	Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	250	25.0	250	ND	99.9	38-132			
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			
Matrix Spike Dup (2339124-MSD1)				Source:	E309239-	03	Prepared: 0	9/30/23 A	Analyzed: 09/30/23
Diesel Range Organics (C10-C28)	256	25.0	250	ND	103	38-132	2.60	20	
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			

QC Summary Report Comment:

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



Γ	Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
	1224 Standpipe Rd	Project Number:	23078-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/02/23 13:09

ND	Analyte NOT DETECTED at or above the reporting limit
	· · · · · · · · · · · · · · · · · · ·

- NR Not Reported
- Relative Percent Difference RPD
- DNI Did Not Ignite

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

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



Page 92 of 306

Relea

	1
Page	1 0
, -B	

Received by OCD: 5/1/2024 9:28:40 AM

12.5		terie er i reirien	s Oil Con	ipany		Bill TO	Bill To				Lab Use Only							TAT						
Pro	oject:	Bell Lake No	orth Pad	1		Attention: Hutton Andrew		Lab V	VO#				Numb		1D	2D	3D	Standard	CWA	SDWA				
Pre	ject N	Manager: As	shley Gio	vengo		Address: 6733 Tale Ave		E3	09:	230	1	220	578-	$\alpha \alpha l$	X									
		3122 Natio				City, State, Zip: Tulsa OK, 74136	1 mar 1							Metho	d					RCRA				
Cit	y, Stat	e, Zip Carls	bad NM,	88220		Phone: 580-307-7363		-	ha															
1000		575-988-005				Email: huttona@kfoc.net		000	OKO										State					
En	ail: a	giovengo@e	ensolum.	com				0	KU	=	0	-	0.0		WN		×	NM CO	UT AZ	TX				
Re	port d	ue by:				24				y 802	826	601(	e 30		1000		TX	×						
	lime mpled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		1PH GRO/DRU/URU BY 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks					
1	0:20	9/29/2023	Soil	1 Jar		BH05 - 0'	1								x									
1	0:31	9/29/2023	Soil	1 Jar	-	BH05 - 1'	2								x									
1	1:20	9/29/2023	Soil	1 Jar		BH05 - 2'	3								x									
1	0:36	9/29/2023	Soil	1 Jar		BH06 - 0'	ų								x									
1	0:58	9/29/2023	Soil	1 Jar		BH06 - 0.5'	5								x									
1	1:25	9/29/2023	Soil	1 Jar		6								x										
1	1:30	9/29/2023	Soil	1 Jar		1								x										
1	1:40	9/29/2023	Soil	1 Jar		BH07 - 2'	8								x									
1	2:17	9/29/2023	Soil	1 Jar		BH07 - 3'	9								x									
1	2:29	9/29/2023	Soil	1 Jar		SS12 - 0'	10								x									
Ad	dition	al Instructio	ns: Ple	ase CC: cl	burton@ensol	um.com, agiovengo@ensolum.com, o	chamilton@	ensolu	im.co	om,	ehaf	t@e	nsolu	m.com										
					ity of this sample. I ay be grounds for le	am aware that tampering with or intentionally misk gal action. <u>Sampled by:</u>	abelling the samp	ole locati	ion,									ceived on ice the day ess than 6 °C on sub:		led or				
	h	ed by: (Signatu	0		-29-23 Time		Date Gala-a	23	Time 15	51		Rece	eived	on ice:		ab U	se On I	ly						
N	Mag		up			130 Received by: (Signature)	Date 9-29	23		30	2	<u>T1</u>			<u>T2</u>			<u>T3</u>						
Rel	Pauish	ed by: (Signatur	re	Date 9-a		336 Received by: (Signature)	Date 09 30	B		:00				°c_4			-			-				
_		rix: S - Soil, Sd - S				0	Containe				-													
						inless other arrangements are made. Hazardo								f at the o	lient e	xpens	se. Th	e report for the	analysis of	the above				
						ratory with this COC. The liability of the labora								t.				e report for the						
												C	3		0			/I MA	-+	0				
						~						6	-		E				UL	E				

Rel Project Information

Page \_\_\_\_\_ of

Received by OCD: 5/1/2024 9:28:40 AM

	Kaiser-Franci						S	Bill To					100 million (1990)	e On					TA			EPA Pr	
	Bell Lake No						ntion: Hutto			Lab	WO#	220		I dol	Numb	er son	1D	2D	3D	Stand	lard	CWA	SDWA
	Manager: As			-																			
	3122 Natio							lsa OK, 74136		-				Analy	sis and	Metho	d	-		_	-		RCRA
	te, Zip Carls 575-988-005		88220				e: 580-307-7			-	(q O			1						-		Chaba	
	giovengo@e		om		Email: huttona@kfoc.net												-			DID	AL COL	State	TVI
Report d		insolum.c	UIII								DRO	021	60	10	00.00	0.00	NN		¥	1	1	UT AZ	
Time		1.1		1					Lab		SRO/	by 8	oy 82	ls 60	ide		8		U	×			
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)				Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
12:30	9/29/2023	Soil	1 Jar			5	SS13 - 0'		11								x						
												-	_		-		-	-		1. Ale			
												-											
													-		-		-	-					
			_	A																			
												-	_				-	-					_
	1																						
ddition	al Instructio	ns: Plea	se CC: cl	L burton@e	ensolum.	com, a	agiovengo@e	nsolum.com, ch	amilton@	enso	lum.c	om, e	ehaf	t@er	nsolui	m.com	<u> </u>						
field sam	oler) attest to th	e validity and	1 authentici	ity of this sag	unle Lamau	vare tha	t tampering with	r intentionally mislabe	alling the com	ala loca	tion			Sample	s requiri	og thermal	oreservi	ation m	ist be rec	reived on in	e the day t	hey are samp	ed or
ate or time	of collection is c	onsidered fr					<u>Sampl</u>		and the same	pie ioca	nion,											quent days.	
	ed by: (Signatur			29-23	Time 3:5	1	Received by: (Sig	Court	Date 9-A-	23	Time	551	6	Rece	eived o	on ice:	6	ab U	se Onl I	ly .			
alinquish	ed by: (Signatur	e)	Date G-0	29-23	Time (730	F	Received by: (Sig	nature) //	Date 9-29-	23	Time	30	>	T1			<u>T2</u>			<u>T3</u>			
elinquist	ed by: (Signatur	re)	Date		Time 2331	OF	Received by: (Sig	nature)	Date 09 30	23	Time	100		AVG	Tem								
ample Mat	rix: S-Soil, Sd - S	olid, Sg - Slue			ier		0.	0'	Containe	er Typ	-							ass, v	- VOA	1			
								e made. Hazardous	samples wil	ll be re	turne	d to cli	ient c	or disp	osed o	f at the c	lient e	expense	se. The	e report f	for the a	nalysis of t	he above
amples is	applicable only	to those sa	imples rec	eived by the	e laboratory	y with t	his COC. The liab	ility of the laborato	ry is limited	to the	amou	nt paic	d for	on the	repor	t.	-		-		-	ot	
														-	2		-						

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company Da	ate Received:	09/30/23	08:00	Work Order ID:	E309239
Phone:	(505) 382-1211 Da	te Logged In:	09/29/23	19:15	Logged In By:	Alexa Michaels
Email:	agiovengo@ensolum.com Du	ie Date:	10/02/23	17:00 (0 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<u>Commen</u>	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	a sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
-	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
2	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes			
13. If no	minutes of sampling o visible ice, record the temperature. Actual sample ten		<u>C</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum information	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
	Preservation		• •			
	s the COC or field labels indicate the samples were prese	ervea?	No			
	sample(s) correctly preserved?	1-9	NA			
	b filteration required and/or requested for dissolved meta	us <i>?</i>	No			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	es, does the COC specify which phase(s) is to be analyzed	1?	NA			
Subcont	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: na		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E309240

Job Number: 23078-0001

Received: 9/30/2023

Revision: 0

Report Reviewed By:

Draft Walter Hinchman Laboratory Director 10/2/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 10/2/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E309240 Date Received: 9/30/2023 8:00:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2023 8:00:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH02 - 0'	5
BH02 - 1'	6
BH02 - 2'	7
BH02 - 3'	8
BH02 - 4'	9
BH03 - 0'	10
BH03 - 1'	11
BH03 - 2'	12
BH04 - 0'	13
BH04 - 1'	14
BH04 - 2'	15
BH04 - 3'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
Definitions and Notes	20
Chain of Custody etc.	21

#### Sample Summary

		Sample Sum	mar y		
Kaiser Francis Oil Company		Project Name:			Reported:
1224 Standpipe Rd		Project Number:			Reporteu.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		10/02/23 14:49
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3H02 - 0'	E309240-01A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H02 - 1'	E309240-02A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H02 - 2'	E309240-03A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H02 - 3'	E309240-04A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H02 - 4'	E309240-05A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H03 - 0'	E309240-06A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H03 - 1'	E309240-07A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H03 - 2'	E309240-08A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H04 - 0'	E309240-09A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H04 - 1'	E309240-10A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H04 - 2'	E309240-11A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.
3H04 - 3'	E309240-12A	Soil	09/28/23	09/30/23	Glass Jar, 2 oz.



	50	ampie D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 1 78-0001 ley Giovengo	L		<b>Reported:</b> 10/2/2023 2:49:15PM
		BH02 - 0'				
	-	E309240-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	0.159	0.0250	1	09/30/23	09/30/23	
Toluene	0.0416	0.0250	1	09/30/23	09/30/23	
p-Xylene	0.299	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	0.706	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	1.01	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: RAS			Batch: 2339123
Diesel Range Organics (C10-C28)	2070	50.0	2	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	1160	100	2	09/30/23	09/30/23	
Surrogate: n-Nonane		92.0 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2339126
Chloride	15200	400	20	09/30/23	10/02/23	



	50	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 10/2/2023 2:49:15PM
		BH02 - 1'				
		E309240-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Foluene	ND	0.0250	1	09/30/23	09/30/23	
p-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2339123
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		93.4 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2339126
Chloride	5770	100	5	09/30/23	10/02/23	



	50	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 2:49:15PM
		BH02 - 2'				
		E309240-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
p-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.7 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2339123	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		95.6 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2339126
Chloride	2080	40.0	2	09/30/23	10/02/23	



	56	imple D	ata			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North Pad 1			
1224 Standpipe Rd	Project Numbe	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo			10/2/2023 2:49:15PM
		BH02 - 3'				
		E309240-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Foluene	ND	0.0250	1	09/30/23	09/30/23	
p-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2339123	
Diesel Range Organics (C10-C28)	27.1	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		93.4 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2339126
Chloride	1370	20.0	1	09/30/23	10/02/23	



	5	ample D	ala			
Kaiser Francis Oil Company	Project Name:	Bell	Lake North Pad 1			
1224 Standpipe Rd	Project Numbe	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 2:49:15PM
		BH02 - 4'				
		E309240-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	09/30/23	
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23	
Toluene	ND	0.0250	1	09/30/23	09/30/23	
o-Xylene	ND	0.0250	1	09/30/23	09/30/23	
o,m-Xylene	ND	0.0500	1	09/30/23	09/30/23	
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	09/30/23	09/30/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2339123	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	09/30/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	09/30/23	
Surrogate: n-Nonane		92.6 %	50-200	09/30/23	09/30/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2339126
Chloride	60.3	20.0	1	09/30/23	10/02/23	



			ata				
Kaiser Francis Oil Company	Project Name:		Lake North Pad 1				
1224 Standpipe Rd	Project Numbe		78-0001			Reported:	
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/2/2023 2:49:15PM	
		BH03 - 0'					
		E309240-06					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2339121	
Benzene	ND	0.0250	1	09/30/23	09/30/23		
Ethylbenzene	ND	0.0250	1	09/30/23	09/30/23		
Toluene	ND	0.0250	1	09/30/23	09/30/23		
o-Xylene	ND	0.0250	1	09/30/23	09/30/23		
p,m-Xylene	ND	0.0500	1	09/30/23	09/30/23		
Total Xylenes	ND	0.0250	1	09/30/23	09/30/23		
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	09/30/23	09/30/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	Analyst: IY		Batch: 2339121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	09/30/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	09/30/23	09/30/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2339123	
Diesel Range Organics (C10-C28)	98.9	25.0	1	09/30/23	10/01/23		
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23		
Surrogate: n-Nonane		94.9 %	50-200	09/30/23	10/01/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2339126	
Chloride	4060	40.0	2	09/30/23	10/02/23		



	56	ample D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numbe		Lake North Pad 1 78-0001			Reported:
Carlsbad NM, 88220	Project Manag		ley Giovengo			10/2/2023 2:49:15PM
		BH03 - 1'				
		E309240-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst:	IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
p,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2339123
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		90.6 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst:	BA		Batch: 2339126
Chloride	10000	200	10	09/30/23	10/02/23	



	D.	ample D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pad 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 2:49:15PM
		BH03 - 2'				
		E309240-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2339123	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		93.3 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2339126
Chloride	77.8	20.0	1	09/30/23	10/02/23	



	5	ampic D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 2:49:15PM
· · · · · · · · · · · · · · · · · · ·	, ,	BH04 - 0'	, ,			
		БП04 - 0 Е309240-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst:	IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Foluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Total Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339121	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2339123	
Diesel Range Organics (C10-C28)	7950	50.0	2	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	4740	100	2	09/30/23	10/01/23	
Surrogate: n-Nonane		90.8 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	BA		Batch: 2339126
Chloride	4830	100	5	09/30/23	10/02/23	


	Di	ample D	ala			
· ·	Project Name: Project Numbe		Lake North Pad 1 78-0001			Reported:
* *	Project Manag		ley Giovengo			10/2/2023 2:49:15PM
		BH04 - 1'				
		E309240-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	IY		Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.7 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	RAS		Batch: 2339123
Diesel Range Organics (C10-C28)	90.7	25.0	1	09/30/23	10/01/23	
Oil Range Organics (C28-C36)	51.6	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		92.8 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	BA		Batch: 2339126
Chloride	8470	200	10	09/30/23	10/02/23	



	56	impic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 2:49:15PM
		BH04 - 2'				
		E309240-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2339121
Benzene	0.0371	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Toluene	0.0319	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: RAS		Batch: 2339123
Diesel Range Organics (C10-C28)	34.1	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		91.6 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2339126
Chloride	683	20.0	1	09/30/23	10/02/23	



	50	ampie D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/2/2023 2:49:15PM
		BH04 - 3'				
		E309240-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: IY		Batch: 2339121
Benzene	ND	0.0250	1	09/30/23	10/01/23	
Ethylbenzene	ND	0.0250	1	09/30/23	10/01/23	
Foluene	ND	0.0250	1	09/30/23	10/01/23	
p-Xylene	ND	0.0250	1	09/30/23	10/01/23	
o,m-Xylene	ND	0.0500	1	09/30/23	10/01/23	
Fotal Xylenes	ND	0.0250	1	09/30/23	10/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: IY		Batch: 2339121
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/23	10/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	09/30/23	10/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: RAS		Batch: 2339123
Diesel Range Organics (C10-C28)	59.8	25.0	1	09/30/23	10/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/30/23	10/01/23	
Surrogate: n-Nonane		90.9 %	50-200	09/30/23	10/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: BA		Batch: 2339126
Chloride	215	20.0	1	09/30/23	10/02/23	



# **QC Summary Data**

				v					
Kaiser Francis Oil Company		Project Name:	Be	ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	23	8078-0001			•		
Carlsbad NM, 88220		Project Manager:	As	shley Gioveng	go				10/2/2023 2:49:15PM
		Volatile Or	rganics b	oy EPA 802	21B				Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
Blank (2339121-BLK1)							Prepared: 0	0/30/23	Analyzed: 09/30/23
	ND	0.0250					Tiepareu. 0	9/30/23 1	Anaryzeu. 09/30/23
Benzene	ND ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene Total Xylenas	ND	0.0500 0.0250							
Total Xylenes		0.0250	0.00		04.4	70.120			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			
LCS (2339121-BS1)							Prepared: 0	9/30/23	Analyzed: 09/30/23
Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.1	70-130			
Matrix Spike (2339121-MS1)				Source:	E309240-	04	Prepared: 0	9/30/23	Analyzed: 09/30/23
Benzene	4.93	0.0250	5.00	ND	98.6	54-133			
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133			
Toluene	4.93	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			
Matrix Spike Dup (2339121-MSD1)				Source:	E309240-(	04	Prepared: 0	9/30/23	Analyzed: 09/30/23
Benzene	4.93	0.0250	5.00	ND	98.6	54-133	0.0436	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133	0.219	20	
Toluene	4.92	0.0250	5.00	ND	98.4	61-130	0.280	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	63-131	0.684	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	0.296	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	0.424	20	



# **QC Summary Data**

		$\mathbf{x} \in \mathbf{z}$		ary Dun	~				
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	Bell Lake North 3078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	А	shley Gioveng	0				10/2/2023 2:49:15PM
	No	nhalogenated C	Organics	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2339121-BLK1)							Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			
LCS (2339121-BS2)							Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike (2339121-MS2)				Source:	E309240-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			
Matrix Spike Dup (2339121-MSD2)				Source:	E309240-	04	Prepared: 0	9/30/23 A	analyzed: 09/30/23
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130	8.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			



# **QC Summary Data**

		QU D	u 111111	ary Date						
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:		Bell Lake North 23078-0001	Pad 1				Reported:	
Carlsbad NM, 88220	Project Manager: Ashley Giovengo							10/2/2023 2:49:151		
	Nonha	alogenated Org	anics by	7 EPA 8015I	) - DRO	/ORO			Analyst: KM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2339123-BLK1)							Prepared: 0	9/30/23 A	Analyzed: 09/30/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	46.8		50.0		93.7	50-200				
LCS (2339123-BS1)							Prepared: 0	9/30/23 A	Analyzed: 09/30/23	
Diesel Range Organics (C10-C28)	243	25.0	250		97.2	38-132				
Surrogate: n-Nonane	46.7		50.0		93.3	50-200				
Matrix Spike (2339123-MS1)				Source:	E309240-	07	Prepared: 0	9/30/23 A	Analyzed: 09/30/23	
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132				
Surrogate: n-Nonane	42.7		50.0		85.4	50-200				
Matrix Spike Dup (2339123-MSD1)				Source:	E309240-	07	Prepared: 0	9/30/23 A	Analyzed: 09/30/23	
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	38-132	1.10	20		
Surrogate: n-Nonane	42.8		50.0		85.7	50-200				

QC Summary Report Comment:

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



Kaiser Francis Oil C	ompany	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd		Project Number:	23078-0001	Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo	10/02/23 14:49

ND	Analyte NOT DETECTED at or above the reporting limit
1.2	maryte no i bbilbe ibb at of acove are reporting initi

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Page \_\_\_\_

ent: k	Kaiser-Francis	s Oil Com	vnag		Bill To		T	-	Labl	Jse O	nlv		1	T	AT	EPA P	rogram
	Bell Lake No				Attention: Hutton Andre		Lab WO					1D 2			CWA	SDWA	
	Manager: As				Address: 6733 Tale Ave		E 30	924	10			1000-	X				
Address:	: 3122 Natio	nal Parks	s Hwy		City, State, Zip: Tulsa OK	74136				Anal	ysis ar	d Metho					RCRA
City, Sta	te, Zip Carls	bad NM,	88220		Phone: 580-307-7363		þ	T	1								
Phone:	575-988-005	5			Email: huttona@kfoc.ne		ORO			1						State	
Email: a	giovengo@e	ensolum.	com				30/02				0.		WN		NM C	J UT AZ	TX
Report d	lue by:						10/0	500	826(	2010	300	201-1		X	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 PTCV h.	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	GDOC		Remarks	
13:07	9/28/2023	Soil	1 Jar		BH02 - 0'	1							x				rogram SDWA RCRA
13:11	9/28/2023	Soil	1 Jar		BH02 - 1'	2							x				
13:15	9/28/2023	Soil	1 Jar		BH02 - 2'	3							x				
14:05	9/28/2023	Soil	1 Jar		BH02 - 3'	ų							x				
14:12	9/28/2023	Soil	1 Jar		BH02 - 4'	5							x				
13:17	9/28/2023	Soil	1 Jar		BH03 - 0'								x				
13:20	9/28/2023	Soil	1 Jar		BH03 - 1'	7							x				
13:23	9/28/2023	Soil	1 Jar		BH03 - 2'	8							x				
13:30	9/28/2023	Soil	1 Jar		BH04 - 0'	9							x	-			
13:36	9/28/2023	Soil	1 Jar		BH04 - 1'	10							x				
Additior	al Instructio	ns: Ple	ase CC: cl	burton@ensolum.	com, agiovengo@ensolun	n.com, chamilton@	ensolum	1.cor	m, eh	aft@e	ensolu	m.com					
, (field sam date or time	pler), attest to the of collection is a	e validity ar considered f	nd authentici fraud and ma	ty of this sample. I am a ay be grounds for legal ac	ware that tampering with or intention. Sampled by:	Cole Burto	ple location	l,							eceived on ice the d less than 6 °C on su		oled or
Relinquish	ed by: (Signatu	nto	n 9-	30-23 Time	7 Received by: (Signature)	h Date 9-29-0	23 <sup>Tim</sup>	10	15	Rec	eived	on ice:	Lab (Y)	Use Or N	nly		1. 1.1
Relinquish	ed by: (Signatu	re) mje	Date	29.23 ITHE	Received by: (Signature)	Date 9=29-5	Tim	1e	30	100			<u>T2</u>		<u>T3</u>		
Relinquish	ied by: (Signatu	re	Date	29.23 Time 233	Received by: (Signature)	Date 09/30/	B	ne 8:0	0	AVO	G Tem	p°c_4	0				
	trix: S - Soil, Sd - S						er Type: g	_		poly/	plastic	, ag - am	ber glass				
					s other arrangements are made.								lient exp	ense. Th	ne report for th	e analysis of	the above
ote: Sam	ples are discard	ded 30 day	s after resu	Its are reported unles	s other arrangements are made. y with this COC. The liability of t	Hazardous samples wil	ll be retur	ned to	o clien	t or dis	posed	of at the c				e analysis of	the above

Release

Received by OCD: 5/1/2024 9:28:40 AM Page 2 of

	aiser-Francis					Bill To					Use						TA	100 C C C C C		EPA PI	rogram
	Bell Lake No					ention: Hutton Andrew		Lab V	VQ#	un	JC	ob N	lumb	er	1D	2D	3D	Star	ndard	CWA	SDWA
	Anager: As					Iress: 6733 Tale Ave	c	E 3	046	10	0	22	5 16	-0001	X	_		-			DCDA
	3122 Natio					y, State, Zip: Tulsa OK, 7413	6	-	-		An	nalys	is and	Metho	d	-	-				RCRA
	e, Zip Carlst 575-988-005		88220			ne: 580-307-7363														State	-
	giovengo@e		om		Em	ail: huttona@kfoc.net			10/1				~		-			N	MICO	UT AZ	TY
Report d		115010111.0	.0111		-			1000	LUKU	8021	260	010	300.0		MN		¥			UT AL	
Time			No. of	1.5.28535			Lab		OHD	by 8	by 8	ils 60	ide		8		U	-	×		
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number	1101	1PH 6к0/0к0/0к0 ву 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
13:43	9/28/2023	Soil	1 Jar			BH04 - 2'	1								x						
14:22	9/28/2023	Soil	1 Jar			BH04 - 3'	12								x						
										-	-	+	-		-	-		-			
								-													
				1			-		_	-	-	+		-	-	-					
															-						
1.00																					
			1																		
							-		-	-	-	-	-		-	-					
	S. (												. 11								
												1			1	-					
								. 10		- 10		-	_	-				0.2			
م ما ما ند ا	al Inchrycht -			hurton	alum ears	ngiauango@anaalum	chamilton Q			-	hafte		Colum								
Addition	ai instructio	ns: Piea	ase cc: c	burton@enso	Jum.com	, agiovengo@ensolum.com,	, chamilton@	ensoiu	ini.co	, ei	narte	wen	solun	n.com							
						hat tampering with or intentionally mi Sampled by:		ole locati	on,	_										they are samp	led or
	of collection is o ed by: (Signatu		raud and m Date	ay be grounds for		Sampled by: C-1- Received by: (Signature)	Date		lime	-	-						se On				
	Zey P	un	9	-29-23 7	207	Michele Europe	9-29.	23	101	5	R	ece	ived c	on ice:		JIN		ity			
	ed by: (Signatu	ust	Date	-29-D I	745=	Received by: (Signature)	Date 9/29/-	23	Time	30	<u>T</u> :	1			<u>T2</u>			T	3		
Relinquish	ed by: (Signatu	re)	Date	-29.23	2330	Received by: (Signature)	Date 9 30 7		Time	)0	A	VG	Temp	°c 4	.0						
Sample Mat	rix: S - Soil, Sd - S	Solid, Sg - Slu	udge, A - Aq	ueous, O - Other _		0.00-	Containe									ass, v	- VO	Ą			
						r arrangements are made. Hazar	dous samples wil	l be ret	urned	to clie	nt or a	dispo	osed of	at the c					t for the	analysis of	the above
samples is	applicable only	to those s	amples re	ceived by the lab	oratory with	n this COC. The liability of the labo	ratory is limited	to the a	moun	t paid	for on	the	report		_						
											1	C	3						10		-
												F	2		E					JC	e
						F	Page 22 of 2	~				-			-		-	-	-		-

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company	Date Received:	09/30/23	08:00	Work Order ID:	E309240
Phone:	(505) 382-1211	Date Logged In:	09/29/23	19:19	Logged In By:	Alexa Michaels
Email:	agiovengo@ensolum.com	Due Date:	10/02/23	17:00 (0 day TAT)		
Chain of	f Custody (COC)					
	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location mat	ch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic		Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	Cooler					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was tl	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
Sample	Container					
14. Are a	aqueous VOC samples present?		No			
15. Are V	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was :	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	non-VOC samples collected in the correct containers?	•	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes			
<u>Field La</u>	bel					
	field sample labels filled out with the minimum info	rmation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		Yes			
_	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	xe?	No			
	s, does the COC specify which $phase(s)$ is to be analy		No			
		2001	NA			
Subcont	ract Laboratory	0	37			
Subcont 28. Are s	ract Laboratory_ samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: na		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E310117

Job Number: 23078-0001

Received: 10/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/23/23

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

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E310117 Date Received: 10/18/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/18/2023 8:15:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com



•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS01 - 0'	5
FS02 - 0'	6
FS03 - 0'	7
FS04 - 0'	8
FS05 - 0'	9
FS06 - 0'	10
FS07 - 0'	11
FS08 - 0'	12
FS09 - 0'	13
FS10 - 0'	14
FS11 - 0'	15
FS12 - 0'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

#### Sample Summarv

		Sample Sum	mary		
Kaiser Francis Oil Company		Project Name:	Bell Lake North Pa	ıd 1	Reported:
1224 Standpipe Rd		Project Number:	23078-0001		Reported.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		10/23/23 11:13
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 - 0'	E310117-01A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS02 - 0'	E310117-02A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS03 - 0'	E310117-03A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS04 - 0'	E310117-04A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS05 - 0'	E310117-05A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS06 - 0'	E310117-06A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS07 - 0'	E310117-07A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS08 - 0'	E310117-08A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS09 - 0'	E310117-09A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS10 - 0'	E310117-10A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
FS11 - 0'	E310117-11A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.
'S12 - 0'	E310117-12A	Soil	10/16/23	10/18/23	Glass Jar, 2 oz.



	5	ampie D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230	Lake North P 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 10/23/2023 11:13:00AM
		FS01 - 0'				
		E310117-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
oluene	ND	0.0250	1	10/18/23	10/19/23	
-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
urrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		83.1 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2342055
Chloride	597	20.0	1	10/18/23	10/19/23	

#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manas	ber: 230	Lake North I 78-0001 ley Giovengo			<b>Reported:</b> 10/23/2023 11:13:00AM
Carisbau Ivivi, 00220			icy Gloveligo	,		10/23/2023 11:13:00/10
		FS02 - 0'				
		E310117-02				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		89.0 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2342055
Chloride	347	20.0	1	10/18/23	10/19/23	



	0	ampie D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manaş	per: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 10/23/2023 11:13:00AM
		FS03 - 0'				
		E310117-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Fotal Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.3 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		95.4 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2342055
Chloride	182	20.0	1	10/18/23	10/19/23	



	3	ample D	ลเส			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pa 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 10/23/2023 11:13:00AM
		FS04 - 0'				
		E310117-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
o-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		88.8 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2342055
Chloride	1210	20.0	1	10/18/23	10/19/23	



	50	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/23/2023 11:13:00AM
		FS05 - 0'				
		E310117-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Foluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		85.0 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2342055
Chloride	347	20.0	1	10/18/23	10/19/23	



	D	ampic D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 10/23/2023 11:13:00AM
		FS06 - 0'				
		E310117-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst	: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
thylbenzene	ND	0.0250	1	10/18/23	10/19/23	
oluene	ND	0.0250	1	10/18/23	10/19/23	
-Xylene	ND	0.0250	1	10/18/23	10/19/23	
,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
urrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
urrogate: n-Nonane		87.3 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2342055
Chloride	182	20.0	1	10/18/23	10/19/23	



#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North I	Pad 1		
1224 Standpipe Rd	Project Numb	ber: 230	78-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			10/23/2023 11:13:00AM
		FS07 - 0'				
		E310117-07				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/18/23	
oluene	ND	0.0250	1	10/18/23	10/18/23	
-Xylene	ND	0.0250	1	10/18/23	10/18/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/18/23	
urrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	10/18/23	10/18/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/18/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	10/18/23	10/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
urrogate: n-Nonane		91.2 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2342055
Chloride	1210	20.0	1	10/18/23	10/19/23	



	5	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 10/23/2023 11:13:00AN
		FS08 - 0'				
		E310117-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Fotal Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		95.8 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2342053	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		90.3 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: BA		Batch: 2342055
Chloride	74.3	20.0	1	10/18/23	10/19/23	



	5	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 230'	Lake North I 78-0001 ley Giovengo			<b>Reported:</b> 10/23/2023 11:13:00AM
		FS09 - 0'				
		E310117-09				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
o-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/18/23	10/19/23	
urrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM		Batch: 2342053	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		89.8 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2342055
Chloride	28.1	20.0	1	10/18/23	10/19/23	



#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North I	Pad 1		
1224 Standpipe Rd	Project Numb	per: 230	78-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/23/2023 11:13:00AM
		FS10 - 0'				
		E310117-10				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Foluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Fotal Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		89.7 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: BA		Batch: 2342055
Chloride	337	20.0	1	10/18/23	10/19/23	



#### Sample Data

	D	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	Lake North P 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 10/23/2023 11:13:00AM
		FS11 - 0'				
		E310117-11				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
o-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Fotal Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		84.9 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2342055
Chloride	118	20.0	1	10/18/23	10/19/23	



#### Sample Data

	3	ample D	ลเล			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North I	Pad 1		
1224 Standpipe Rd	Project Numb	er: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			10/23/2023 11:13:00AM
		FS12 - 0'				
		E310117-12				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2342049
Benzene	ND	0.0250	1	10/18/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/18/23	10/19/23	
Toluene	ND	0.0250	1	10/18/23	10/19/23	
p-Xylene	ND	0.0250	1	10/18/23	10/19/23	
o,m-Xylene	ND	0.0500	1	10/18/23	10/19/23	
Fotal Xylenes	ND	0.0250	1	10/18/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2342049
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/18/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	10/18/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2342053
Diesel Range Organics (C10-C28)	ND	25.0	1	10/18/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/18/23	10/19/23	
Surrogate: n-Nonane		88.8 %	50-200	10/18/23	10/19/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: BA		Batch: 2342055
Chloride	1500	20.0	1	10/18/23	10/19/23	



# **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ell Lake North 6078-0001 shley Gioveng					<b>Reported:</b> 10/23/2023 11:13:00AM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342049-BLK1)							Prepared: 1	0/18/23 A	Analyzed: 10/18/23
Benzene	ND	0.0250							•
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61	010220	8.00		95.1	70-130			
LCS (2342049-BS1)							Prepared: 1	0/18/23 A	Analyzed: 10/18/23
Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.57	0.0250	5.00		91.4	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.61	0.0250	5.00		92.1	70-130			
p,m-Xylene	9.31	0.0500	10.0		93.1	70-130			
Total Xylenes	13.9	0.0250	15.0		92.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			
Matrix Spike (2342049-MS1)				Source:	E310117-(	07	Prepared: 1	0/18/23 A	Analyzed: 10/18/23
Benzene	4.49	0.0250	5.00	ND	89.8	54-133			
Ethylbenzene	4.45	0.0250	5.00	ND	89.0	61-133			
Toluene	4.50	0.0250	5.00	ND	89.9	61-130			
o-Xylene	4.50	0.0250	5.00	ND	90.1	63-131			
p,m-Xylene	9.08	0.0500	10.0	ND	90.8	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			
Matrix Spike Dup (2342049-MSD1)				Source:	E310117-(	)7	Prepared: 1	0/18/23 A	Analyzed: 10/18/23
Benzene	4.63	0.0250	5.00	ND	92.5	54-133	2.91	20	
Ethylbenzene	4.59	0.0250	5.00	ND	91.7	61-133	3.00	20	
Toluene	4.63	0.0250	5.00	ND	92.6	61-130	2.86	20	
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131	2.61	20	
p,m-Xylene	9.36	0.0500	10.0	ND	93.6	63-131	3.05	20	
17 V									
Total Xylenes	14.0	0.0250	15.0	ND	93.2	63-131	2.90	20	



# **QC Summary Data**

		$\mathbf{v} \mathbf{v} \mathbf{v}$	u	ary Dau	•				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Bell Lake North 23078-0001 Ashley Gioveng					<b>Reported:</b> 10/23/2023 11:13:00AM
Carisbad NM, 88220		Project Manager:	1	Ashley Gloveng	0				10/23/2023 11.13.00AM
	Noi	nhalogenated C	Organics	s by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342049-BLK1)							Prepared: 1	0/18/23 A	nalyzed: 10/18/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.7	70-130			
LCS (2342049-BS2)							Prepared: 1	0/18/23 A	nalyzed: 10/18/23
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
Matrix Spike (2342049-MS2)				Source:	E310117-	07	Prepared: 1	0/18/23 A	nalyzed: 10/18/23
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			
Matrix Spike Dup (2342049-MSD2)				Source:	E310117-	07	Prepared: 1	0/18/23 A	nalyzed: 10/18/23
Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130	2.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

# **QC Summary Data**

		$\chi \cup \omega$		ary Date					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	-	Bell Lake North 23078-0001	Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:	A	Ashley Gioveng	go			1	0/23/2023 11:13:00AM
	Nonha	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342053-BLK1)							Prepared: 1	0/18/23 Ar	nalyzed: 10/19/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.5	50-200			
LCS (2342053-BS1)							Prepared: 1	0/18/23 Ar	nalyzed: 10/19/23
Diesel Range Organics (C10-C28)	288	25.0	250		115	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			
Matrix Spike (2342053-MS1)				Source:	E310115-0	03	Prepared: 1	0/18/23 Ar	nalyzed: 10/19/23
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			
Matrix Spike Dup (2342053-MSD1)				Source:	E310115-(	03	Prepared: 1	0/18/23 Ar	nalyzed: 10/19/23
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	6.05	20	
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			



## **QC Summary Data**

		L L		J					
Kaiser Francis Oil Company		Project Name:	В	Bell Lake North	h Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager	: A	shley Gioveng	go				10/23/2023 11:13:00A1
		Anions	by EPA	<b>300.0/9056</b> A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342055-BLK1)							Prepared: 1	0/18/23	Analyzed: 10/18/23
Chloride	ND	20.0							
LCS (2342055-BS1)							Prepared: 1	0/18/23	Analyzed: 10/18/23
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2342055-MS1)				Source:	E310115-(	02	Prepared: 1	0/18/23	Analyzed: 10/18/23
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2342055-MSD1)				Source:	E310115-0	02	Prepared: 1	0/18/23	Analyzed: 10/18/23
Chloride	253	20.0	250	ND	101	80-120	0.299	20	

QC Summary Report Comment:

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



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	10/23/23 11:13

ND	Analyte NOT DETECTED at or above the reporting limit
----	--

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



Proi	iert	Information	
FIU	ELL	mormation	

Client: Kaiser-Francis Oil Company

Project: Bell Lake North Pad 1

Lab Use Only

Bill To

Received by OCD: 5/1/2024 9:28:40 AM

	TA	Т		12	E	PA Pr	ogra	m
D	3D	Sta	nda	ard	CV	VA	SD	WA
			х					
-		_					RC	RA
		+			Sta	ate	-	-
	×	Ī	NM	CO	UT	AZ	ΤX	1
	-		×	6.41				
	GDOC TX				Rem	arks		

Released to Imaging: 5/20/2024 8:25:25 AM

Project:	Bell Lake Nor	rth Pad 1			Attention: Hutton Andrew	1	Lab WO	#		Job	Number	1D	2D	3D	Standard	CWA	SDWA
Project	Manager: Ash	nley Giov	engo		Address: 6733 Tale Ave		Lab WO	)//	7	23	078.0001				x		
Address	: 3122 Nation	nal Parks	Hwy		City, State, Zip: Tulsa OK, 7	4136					sis and Meth						RCRA
City, Sta	te, Zip Carlsb	ad NM, 8	38220		Phone: 580-307-7363		by										
	575-988-0055				Email: huttona@kfoc.net		ORO									State	
Email: a	agiovengo@er	nsolum.co	om				80/0	-		- 1	0.0	MN			NM CO	UT AZ	TX
Report of	due by:						10/0	802	826(	5010	300			1 1	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	
9:35	10/16/2023	Soil	1 Jar		FS01 - 0'	1						x					
10:14	10/16/2023	Soil	1 Jar		FS02 - 0'	2						×					
10:16	10/16/2023	Soil	1 Jar		FS03 - 0'	3						x					
10:17	10/16/2023	Soil	1 Jar		FS04 - 0'	4						x					
10:22	10/16/2023	Soil	1 Jar		FS05 - 0'	5						x					
10:23	10/16/2023	Soil	1 Jar		FS06 - 0'	6						x					
10:25	10/16/2023	Soil	1 Jar		FS07 - 0'	7						x					
10:31	10/16/2023	Soil	1 Jar		FS08 - 0'	8						x					
10:32	10/16/2023	Soil	1 Jar		FS09 - 0'	9						x					
10:33	10/16/2023	Soil	1 Jar		FS10 - 0'	10						x					
Addition	nal Instruction	ns: Plea	se CC: cb	urton@ensolum	com, agiovengo@ensolum.co	om, chamilton@er	nsolum.co	om, e	haft	@en	solum.com						
				y of this sample. I am be grounds for legal a	aware that tampering with or intentionally action. <u>Sampled by:</u>	y mislabelling the sample	location,				s requiring thermal d packed in ice at a						led or
Relinquist	ed by: (Signature	the	Date	Time	3.5 (Received by: (Signature) Received by: (Signature)	Xelly Date	·231	15	7	Rece	ived on ice:		Lab U	se Only N			
an	ned by: (Signature	all	Date	)·17.2372	Received by (Signature)	So 10.17.	13/1	23	0	<u>T1</u>		<u>T2</u>	-	_	<u>T3</u>		
An	drew r	10950	10	.17.23 24	to Caitles Me	2m 10.18.	23 8.	15		AVG	Temp °C 4	1	-			<i>p</i>	
	trix: S - Soil, Sd - So	and the second sec									astic, ag - am						
					ss other arrangements are made. Has							ient e	xpense	e. The re	eport for the a	halysis of th	ne above
samples is	applicable only	to those sa	inples rece	ived by the laborato	ory with this COC. The liability of the la	noor actory is limited to	the amour	ic paid	for o	n the r							
										0	3	-	10		i MA		0
										C		C		IV	irc		E (

Released to Imaging: 5/20/2024 8:25:25 AM

Bill To       TAT         Project: Kaiser-Francis Oil Company       TAT         Attention: Hutton Andrew       Lab Use Only       TAT         Address: 6733 Tale Ave       Tale Ave       TAT         Address: 6733 Tale Ave       Tale Ave       Tale Ave         City, State, Zip: Tulsa OK, 74136       Tale Ave       Tale Ave         Tale Ave       Tale Ave       Tale Ave         Tale Ave       Tale Ave       Tale Ave         Tale Ave       Tale Ave       Tale Ave       Tale Ave       Tale Ave         Tale Ave       Tale Ave       Tale Ave       Tale Ave         Tale Ave       Tale Ave       Tale Ave       Tale Ave         <	EPA Program       CWA     SDWA       RCRA     RCRA       State     I       UT     AZ     TX       Remarks     I
Address:     Address:     6733 Tale Ave     E36/17     23078 0001     x       Address:     3122 National Parks Hwy            City, State, Zip     Carlsbad NM, 88220            Phone:     575-988-0055             Email:     agiovengo@ensolum.com             Report due by:               10:37     10/16/2023     Soil     1 Jar     FS11 - 0'	State UT AZ TX
Address:       3122 National Parks Hwy       City, State, Zip: Tulsa OK, 74136       Analysis and Method         City, State, Zip: Carlsbad NM, 88220       Phone:       575-988-0055       Imail: huttona@kfoc.net       Imail: huttona@kfoc.net	State UT AZ TX
Phone: 575-988-0055     Email: huttona@kfoc.net     Op/OV/OV       10:37     10/16/2023     Soil     1 Jar     FS11-0'     ///     I <td< td=""><td>UT AZ TX</td></td<>	UT AZ TX
10:37 10/16/2023 Soil 1 Jar FS11-0' // // // // // // // // // // // // //	UT AZ TX
10:37 10/16/2023 Soil 1 Jar FS11-0' // // // // // // // // // // // // //	
10:37 10/16/2023 Soil 1 Jar FS11 - 0' // // // <b>x</b>	Remarks
10:37 10/16/2023 Soil 1 Jar FS11 - 0' // // // <b>x</b>	Remarks
10:37 10/16/2023 Soil 1 Jar FS11 - 0' // // // // // // // // // // // // //	
10:38       10/16/2023       Soil       1 Jar       FS12 - 0'       12       I <thi< th="">       I       <t< td=""><td></td></t<></thi<>	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, ehaft@ensolum.com	
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, ate or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sampled by: Sampled by: Sampled by:	
elinquished by: (Signature) Date Time (Received by: (Signature) 10/17/2.3 9:35 (DALLAN OLD DATE DATE OF NO. 12, 2015 elinquished by: (Signature) Date Time (Received on ice: ) Lab Use Only elinquished by: (Signature) Date Time (Received on ice: ) N	
Relinquished by: (Signature) bate Time ReQved by (Signature) Date Time T1 T2 T3	
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	

Page 141 of 306 n

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company D	ate Received:	10/18/23 0	8:15	Work Order ID:	E310117
Phone:	(505) 382-1211 D	ate Logged In:	10/17/23 1	6:31	Logged In By:	Caitlin Mars
Email:		ue Date:	10/24/23 1	7:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	<u>Turn Around Time (TAT)</u>					
6. Did tl	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13 If no	visible ice, record the temperature. Actual sample ter	nnerature: 4º	C			
	Container	<u></u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		Yes			
-	Preservation	10				
11 Dec	s the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?	-1-9	NA			
22. Are		ais?	No			
22. Are 24. Is la	b filteration required and/or requested for dissolved meta					
22. Are 24. Is la <u>Multiph</u>	nase Sample Matrix					
22. Are 24. Is la <u>Multiph</u> 26. Does	nase Sample Matrix		No			
22. Are 24. Is la <u>Multiph</u> 26. Does	nase Sample Matrix		No NA			
<ol> <li>Are</li> <li>Are</li> <li>Is la</li> <li>Multiph</li> <li>Doe:</li> <li>T. If ye</li> </ol>	nase Sample Matrix					
<ul> <li>22. Are</li> <li>24. Is la</li> <li>Multiph</li> <li>26. Does</li> <li>27. If yes</li> <li>Subcontinues</li> </ul>	nase Sample Matrix_ s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	d?				



Date

envirotech Inc.

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





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311041

Job Number: 23078-0001

Received: 11/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/9/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/9/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311041 Date Received: 11/3/2023 6:00:00AM

Ashley Giovengo,



Page 144 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/3/2023 6:00:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com
•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS30-1'	5
FS25-1'	6
FS44-0.5'	7
FS46-0.5'	8
FS47-0.5'	9
FS48-0'	10
FS49-0'	11
FS50-0'	12
FS51-0'	13
FS45-0.5'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

### Sample Summarv

		Sample Sum	mai y		
Kaiser Francis Oil Company		Project Name:	Bell Lake North Pa	nd 1	Reported:
1224 Standpipe Rd		Project Number:	23078-0001		Keportu.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		11/09/23 14:12
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS30-1'	E311041-01A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS25-1'	E311041-02A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS44-0.5'	E311041-03A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS46-0.5'	E311041-04A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS47-0.5'	E311041-05A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS48-0'	E311041-06A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS49-0'	E311041-07A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS50-0'	E311041-08A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS51-0'	E311041-09A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.
FS45-0.5'	E311041-10A	Soil	11/02/23	11/03/23	Glass Jar, 2 oz.



		ampic D	ala			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad 1			
1224 Standpipe Rd	Project Num	ber: 230'	78-0001	Reported:		
Carlsbad NM, 88220	Project Mana	ager: Ash	ley Giovengo			11/9/2023 2:12:32PM
		FS30-1'				
		E311041-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Toluene	ND	0.0250	1	11/04/23	11/04/23	
p-Xylene	ND	0.0250	1	11/04/23	11/04/23	
p,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Fotal Xylenes	ND	0.0250	1	11/04/23	11/04/23	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: KM		Batch: 2344112
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
urrogate: n-Nonane		89.1 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2345042
Chloride	570	20.0	1	11/07/23	11/07/23	



	5	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	er: 230'	Lake North Pac 78-0001 ley Giovengo	11		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS25-1'	, ,			
		E311041-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Foluene	ND	0.0250	1	11/04/23	11/04/23	
o-Xylene	ND	0.0250	1	11/04/23	11/04/23	
p,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/04/23	
urrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	Batch: 2344112		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		87.7 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2345042
Chloride	120	20.0	1	11/07/23	11/07/23	



	5	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	per: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS44-0.5'				
		E311041-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Toluene	ND	0.0250	1	11/04/23	11/04/23	
p-Xylene	ND	0.0250	1	11/04/23	11/04/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/04/23	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Batch: 2344112		
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		86.9 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345042
Chloride	66.1	20.0	1	11/07/23	11/07/23	



	5	ampic D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	per: 230	Lake North Pa 78-0001 ley Giovengo	ıd 1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS46-0.5'				
		E311041-04				
		Reporting				
Analyte	Result	Limit	Dilutior	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
thylbenzene	ND	0.0250	1	11/04/23	11/04/23	
oluene	ND	0.0250	1	11/04/23	11/04/23	
-Xylene	ND	0.0250	1	11/04/23	11/04/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/04/23	
urrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2344112
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		84.3 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2345042
Chloride	45.0	20.0	1	11/07/23	11/07/23	



	D	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 230	Lake North Pa 78-0001 ley Giovengo	ıd 1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS47-0.5'				
		E311041-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Toluene	ND	0.0250	1	11/04/23	11/04/23	
p-Xylene	ND	0.0250	1	11/04/23	11/04/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/04/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana		Batch: 2344112	
Diesel Range Organics (C10-C28)	74.3	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	56.4	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		88.3 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2345042
Chloride	114	20.0	1	11/07/23	11/07/23	



	5	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS48-0'				
		E311041-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Toluene	ND	0.0250	1	11/04/23	11/04/23	
p-Xylene	ND	0.0250	1	11/04/23	11/04/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/04/23	
urrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2344112
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		83.0 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: BA		Batch: 2345042
Chloride	114	20.0	1	11/07/23	11/07/23	



	6	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS49-0'				
		E311041-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/04/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/04/23	
Toluene	ND	0.0250	1	11/04/23	11/04/23	
p-Xylene	ND	0.0250	1	11/04/23	11/04/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/04/23	
Fotal Xylenes	ND	0.0250	1	11/04/23	11/04/23	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	11/04/23	11/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2344112
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Gurrogate: n-Nonane		85.8 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2345042
Chloride	371	20.0	1	11/07/23	11/07/23	



	0	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	Lake North Pa 78-0001 ley Giovengo	d 1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS50-0'				
		E311041-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/05/23	
Toluene	ND	0.0250	1	11/04/23	11/05/23	
p-Xylene	ND	0.0250	1	11/04/23	11/05/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/05/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	11/04/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	11/04/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2344112
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/04/23	
Surrogate: n-Nonane		87.5 %	50-200	11/04/23	11/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2345042
Chloride	ND	20.0	1	11/07/23	11/07/23	



	6	ampic D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manaş	ber: 230	Lake North Pa 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 11/9/2023 2:12:32PM
		FS51-0'				
		E311041-09				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/05/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/05/23	
Toluene	ND	0.0250	1	11/04/23	11/05/23	
p-Xylene	ND	0.0250	1	11/04/23	11/05/23	
o,m-Xylene	ND	0.0500	1	11/04/23	11/05/23	
Fotal Xylenes	ND	0.0250	1	11/04/23	11/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.6 %	70-130	11/04/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	11/04/23	11/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana		Batch: 2344112	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/23	11/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/05/23	
Surrogate: n-Nonane		93.0 %	50-200	11/04/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2345042
Chloride	30.1	20.0	1	11/07/23	11/07/23	



	5	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 11/9/2023 2:12:32PM
		FS45-0.5'				
		E311041-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2344106
Benzene	ND	0.0250	1	11/04/23	11/07/23	
Ethylbenzene	ND	0.0250	1	11/04/23	11/07/23	
Toluene	ND	0.0250	1	11/04/23	11/07/23	
p-Xylene	ND	0.0250	1	11/04/23	11/07/23	
p,m-Xylene	ND	0.0500	1	11/04/23	11/07/23	
Total Xylenes	ND	0.0250	1	11/04/23	11/07/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/04/23	11/07/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2344106
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/23	11/07/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	11/04/23	11/07/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	, Analyst: KM			Batch: 2344112
Diesel Range Organics (C10-C28)	41.0	25.0	1	11/04/23	11/05/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/04/23	11/05/23	
Surrogate: n-Nonane		90.5 %	50-200	11/04/23	11/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: BA		Batch: 2345042
Chloride	35.1	20.0	1	11/07/23	11/07/23	



# **QC Summary Data**

Kaiser Francis Oil Company		Project Name:		ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	23	3078-0001					
Carlsbad NM, 88220		Project Manager:	Α	shley Gioveng	go				11/9/2023 2:12:32PM
		Volatile O	rganics l	oy EPA 802	21B				Analyst: RKS
Analyte		Reporting Limit	Spike Level	Source Result	Dee	Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	Rec %	%	%	%	Notes
Blank (2344106-BLK1)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Benzene	ND	0.0250					1		<b>y</b>
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Fotal Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.91	0.0200	8.00		98.9	70-130			
LCS (2344106-BS1)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Benzene	5.40	0.0250	5.00		108	70-130			
Ethylbenzene	5.32	0.0250	5.00		106	70-130			
Toluene	5.39	0.0250	5.00		108	70-130			
p-Xylene	5.35	0.0250	5.00		107	70-130			
o,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			
Matrix Spike (2344106-MS1)				Source:	E311041-0	1	Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Benzene	5.24	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.21	0.0250	5.00	ND	104	61-130			
o-Xylene	5.17	0.0250	5.00	ND	103	63-131			
,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Fotal Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			
Matrix Spike Dup (2344106-MSD1)					E311041-0				analyzed: 11/04/23
Benzene	5.38	0.0250	5.00	ND	108	54-133	2.60	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	2.88	20	
Toluene	5.34	0.0250	5.00	ND	107	61-130	2.44	20	
o-Xylene	5.33	0.0250	5.00	ND	107	63-131	2.97	20	
o,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	2.85	20	
	16.1	0.0250	15.0	ND	100	(2.121	2.00	20	
fotal Xylenes	10.1	0.0230	8.00	ND	108 97.5	63-131 70-130	2.89	20	



# **QC Summary Data**

		QU D		ary Date	-				
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	3ell Lake North 23078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	A	Ashley Gioveng	;o				11/9/2023 2:12:32PM
	Noi	nhalogenated C	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344106-BLK1)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			
LCS (2344106-BS2)							Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			
Matrix Spike (2344106-MS2)				Source:	E311041-	01	Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2344106-MSD2)				Source:	E311041-(	01	Prepared: 1	1/04/23 A	nalyzed: 11/04/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.3	70-130	0.531	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130			



# **QC Summary Data**

		QU D		ary Data					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	Bell Lake North 23078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	1	Ashley Gioveng	go				11/9/2023 2:12:32PM
	Nonh	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2344112-BLK1)							Prepared: 1	1/04/23 A	nalyzed: 11/06/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.1		50.0		86.3	50-200			
LCS (2344112-BS1)							Prepared: 1	1/04/23 A	analyzed: 11/04/23
Diesel Range Organics (C10-C28)	227	25.0	250		90.8	38-132			
Surrogate: n-Nonane	44.4		50.0		88.8	50-200			
Matrix Spike (2344112-MS1)				Source:	E311041-	07	Prepared: 1	1/04/23 A	analyzed: 11/04/23
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike Dup (2344112-MSD1)				Source:	E311041-	07	Prepared: 1	1/04/23 A	analyzed: 11/04/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.2	38-132	0.673	20	
Surrogate: n-Nonane	44.3		50.0		88.6	50-200			



# **QC Summary Data**

		<b>C</b>	-						
Kaiser Francis Oil Company		Project Name:	E	Bell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager:	A	Ashley Gioveng	go				11/9/2023 2:12:32PM
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345042-BLK1)							Prepared: 1	1/07/23 A	analyzed: 11/07/23
Chloride	ND	20.0							
LCS (2345042-BS1)							Prepared: 1	1/07/23 A	analyzed: 11/07/23
Chloride	246	20.0	250		98.5	90-110			
Matrix Spike (2345042-MS1)				Source:	E311051-0	6	Prepared: 1	1/07/23 A	analyzed: 11/07/23
Chloride	525	20.0	250	275	100	80-120			
Matrix Spike Dup (2345042-MSD1)				Source:	E311051-0	6	Prepared: 1	1/07/23 A	analyzed: 11/07/23
Chloride	521	20.0	250	275	98.7	80-120	0.759	20	

QC Summary Report Comment:

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



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/09/23 14:12

ND Analyte NOT DETECTED at or above	the reporting limit
-------------------------------------	---------------------

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



Reference Project Information

Received by OCD: 5/1/2024 9:28:40 AM

chent.	Kaiser-Franci	s Oil Con	npany		Bill To	1-3			Lat	o Us	se On					A	AT		EPA Pi	rogram
Project		ke North			Attention: Hutton Andrew		Lab	WO#			Job				2D	3D	Sta	ndard	CWA	SDWA
Project	Manager: As	shley Gio	vengo		Address: 6733 Tale Ave		七?	5116	141		2	507	1000-87					Х		
	: 3122 Natio		1 . F		City, State, Zip: Tulsa OK, 7413	36					Analy	sis a	nd Metho	d					1	RCRA
City, Sta	ate, Zip Carls	bad NM,	88220		Phone: 580-307-7363			yd (			-									
	575-988-005				Email: huttona@kfoc.net			ORC			1							a second	State	
	agiovengo@e	ensolum.	com					RO/	51	0	0	0.0		MN		X		NM CO	UT AZ	TX
Report	due by:					1		0/0	/ 80	826	601	e 30				1.96		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:43	11/2/2023	Soil	1		FS30 - 1'									x						
13:09	11/2/2023	Soil	1		FS25 - 1'	2								x						
12:16	11/2/2023	Soil	1		FS44 - 0.5'	3								x						
12:15	11/2/2023	Soil	1		FS46 - 0.5'	4								x						
13:25	11/2/2023	Soil	1	<u></u>	FS47 - 0.5'	5								x						
13:25	11/2/2023	Soil	1		FS48 - 0'	Q								x						
13:28	11/2/2023	Soil	1		FS49 - 0'	7								x						
13:24	11/2/2023	Soil	1	15-	FS50 - 0'	8								x						
13:33	11/2/2023	Soil	1		FS51 - 0'	9								x						
13:20	11/2/2023	Soil	1		FS45 - 0.5'	0								x						
Kept I, (field sar	on ice apler), attest to th	ne validity ar	nd authentic	ity of this sample. I ar	m.com, agiovengo@ensolum.com	islabelling the samp		22	om, e	ehaf	Sample	es requ	um.com iring thermal p ed in ice at an							ed or
				ay be grounds for lega			_		_		receive	u pack	eu innee at an				_	ro con subse	quent days.	
90	hed by: (Signatu	104		13/23 070		- 1132	3	Time 10	Б	1	Rece	eivec	l on ice:		ab U		nly			
Mic		anjal		-323 17:			.23	Time / C Time	30		<u>T1</u>			<u>T2</u>			_ 3	Т3		
And	hed by: (Signatu	2650	Date	3.23 24	Received by: (Signature)		3	6	60		AVG	_		Ł						
	trix: S - Soil, Sd - S									-			c, ag - amb							
Note: Sar					ess other arrangements are made. Hazar tory with this COC. The liability of the labo									lient	expens	se. Th	ne repo	ort for the a	inalysis of t	ne above

### **Envirotech Analytical Laboratory**

### Sample Receipt Checklist (SRC)

lient:	Kaiser Francis Oil Company Da	ate Received:	11/03/23	06:00	Work Order ID:	E311041
Phone:	(505) 382-1211 Da	ate Logged In:	11/03/23	16:30	Logged In By:	Jordan Montano
Email:	agiovengo@ensolum.com Du	le Date:	11/09/23	17:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	the COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •		100			
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?					
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e.	6°±2°C	NA			
12. was t	Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample tem	nperature: <u>4°</u>	<u>C</u>			
Sample	<u>Container</u>					
14. Are a	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform.	ation:				
	Sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation		110			
	s the COC or field labels indicate the samples were prese	rved?	No			
	sample(s) correctly preserved?		NA			
	b filteration required and/or requested for dissolved meta	ıls?	No			
<u>Multiph</u>	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed		NA			
	tract Laboratory_					
	samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
_>	Instruction		. 1/ 1	Subcontact Edu, 147		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311052

Job Number: 23078-0001

Received: 11/7/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/14/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/14/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311052 Date Received: 11/7/2023 8:25:00AM

Ashley Giovengo,



Page 165 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/7/2023 8:25:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW01-0-4'	5
SW02- 0-4'	6
FS40-1'	7
FS38-2'	8
FS39-2'	9
FS36-2'	10
FS37-2'	11
FS31-2'	12
FS35-2'	13
FS32-2'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc.	20

### Sample Summarv

		Sampic Sum	mai y		
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	Bell Lake North Pa 23078-0001	nd 1	Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		11/14/23 14:51
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-4'	E311052-01A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
SW02- 0-4'	E311052-02A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS40-1'	E311052-03A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS38-2'	E311052-04A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS39-2'	E311052-05A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS36-2'	E311052-06A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS37-2'	E311052-07A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS31-2'	E311052-08A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
F\$35-2'	E311052-09A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.
FS32-2'	E311052-10A	Soil	11/03/23	11/07/23	Glass Jar, 2 oz.



	D.	ample D	ata			
Kaiser Francis Oil Company	Project Name:	: Bell	Lake North Pac	11		
1224 Standpipe Rd	Project Numb	er: 230'	78-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giovengo			11/14/2023 2:51:54PM
		SW01-0-4'				
		E311052-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2345054
Benzene	ND	0.0250	1	11/08/23	11/08/23	
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23	
Toluene	ND	0.0250	1	11/08/23	11/08/23	
p-Xylene	ND	0.0250	1	11/08/23	11/08/23	
p,m-Xylene	ND	0.0500	1	11/08/23	11/08/23	
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2345054
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2345114
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23	
Surrogate: n-Nonane		76.1 %	50-200	11/10/23	11/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2345115
Chloride	221	20.0	1	11/10/23	11/13/23	



	5	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 11/14/2023 2:51:54PM
		SW02- 0-4'				
		E311052-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2345054
Benzene	ND	0.0250	1	11/08/23	11/08/23	
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23	
Toluene	ND	0.0250	1	11/08/23	11/08/23	
o-Xylene	ND	0.0250	1	11/08/23	11/08/23	
o,m-Xylene	ND	0.0500	1	11/08/23	11/08/23	
Fotal Xylenes	ND	0.0250	1	11/08/23	11/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2345054
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2345114
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23	
Gurrogate: n-Nonane		83.6 %	50-200	11/10/23	11/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345115
Chloride	47.3	20.0	1	11/10/23	11/13/23	



	5	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Numb	ber: 230	Lake North P 78-0001	ad 1		Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			11/14/2023 2:51:54PM
		FS40-1'				
		E311052-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2345054
Benzene	ND	0.0250	1	11/08/23	11/08/23	
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23	
Foluene	ND	0.0250	1	11/08/23	11/08/23	
p-Xylene	ND	0.0250	1	11/08/23	11/08/23	
o,m-Xylene	ND	0.0500	1	11/08/23	11/08/23	
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2345054
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2345114
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23	
Surrogate: n-Nonane		82.3 %	50-200	11/10/23	11/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2345115
Chloride	235	20.0	1	11/10/23	11/13/23	



	D	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Numb	ber: 230	Lake North Pa 78-0001	ıd 1		Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			11/14/2023 2:51:54PM
		FS38-2'				
		E311052-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054
Benzene	ND	0.0250	1	11/08/23	11/08/23	
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23	
Toluene	ND	0.0250	1	11/08/23	11/08/23	
p-Xylene	ND	0.0250	1	11/08/23	11/08/23	
o,m-Xylene	ND	0.0500	1	11/08/23	11/08/23	
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	11/08/23	11/08/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2345114
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23	
Surrogate: n-Nonane		81.5 %	50-200	11/10/23	11/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2345115
Chloride	61.4	20.0	1	11/10/23	11/13/23	



	0	ample D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo			id 1		<b>Reported:</b> 11/14/2023 2:51:54P	
		FS39-2'					
		E311052-05					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23		
Toluene	ND	0.0250	1	11/08/23	11/08/23		
p-Xylene	ND	0.0250	1	11/08/23	11/08/23		
o,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Fotal Xylenes	ND	0.0250	1	11/08/23	11/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
Surrogate: n-Nonane		81.1 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2345115	
Chloride	ND	20.0	1	11/10/23	11/13/23		



	5	ampic D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo			l		<b>Reported:</b> 11/14/2023 2:51:54P	
		FS36-2'					
		E311052-06					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23		
Toluene	ND	0.0250	1	11/08/23	11/08/23		
p-Xylene	ND	0.0250	1	11/08/23	11/08/23		
o,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Fotal Xylenes	ND	0.0250	1	11/08/23	11/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
Surrogate: n-Nonane		79.0 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2345115	
Chloride	134	20.0	1	11/10/23	11/13/23		



	6	ample D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	et Number: 23078-0001				<b>Reported:</b> 11/14/2023 2:51:54P	
		FS37-2'					
		E311052-07					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23		
Toluene	ND	0.0250	1	11/08/23	11/08/23		
p-Xylene	ND	0.0250	1	11/08/23	11/08/23		
p,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Oil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
Surrogate: n-Nonane		77.3 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2345115	
Chloride	ND	20.0	1	11/10/23	11/13/23		



	b	ample D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo					<b>Reported:</b> 11/14/2023 2:51:54PM	
		FS31-2'					
		E311052-08					
		Reporting					
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
thylbenzene	ND	0.0250	1	11/08/23	11/08/23		
oluene	ND	0.0250	1	11/08/23	11/08/23		
-Xylene	ND	0.0250	1	11/08/23	11/08/23		
,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23		
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
urrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
urrogate: n-Nonane		83.9 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2345115	
Chloride	28.0	20.0	1	11/10/23	11/13/23		



	5	ampic D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo			1		<b>Reported:</b> 11/14/2023 2:51:54PI	
		FS35-2'					
		E311052-09					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23		
Toluene	ND	0.0250	1	11/08/23	11/08/23		
p-Xylene	ND	0.0250	1	11/08/23	11/08/23		
p,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Fotal Xylenes	ND	0.0250	1	11/08/23	11/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Dil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
Surrogate: n-Nonane		80.6 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2345115	
Chloride	89.4	20.0	1	11/10/23	11/13/23		



	5	ampie D	ala				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo			d 1		<b>Reported:</b> 11/14/2023 2:51:54PI	
		FS32-2'					
		E311052-10					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Benzene	ND	0.0250	1	11/08/23	11/08/23		
Ethylbenzene	ND	0.0250	1	11/08/23	11/08/23		
Toluene	ND	0.0250	1	11/08/23	11/08/23		
p-Xylene	ND	0.0250	1	11/08/23	11/08/23		
p,m-Xylene	ND	0.0500	1	11/08/23	11/08/23		
Total Xylenes	ND	0.0250	1	11/08/23	11/08/23		
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2345054	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/08/23	11/08/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	11/08/23	11/08/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2345114	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/10/23	11/11/23		
Oil Range Organics (C28-C36)	ND	50.0	1	11/10/23	11/11/23		
Surrogate: n-Nonane		83.1 %	50-200	11/10/23	11/11/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2345115	
Chloride	47.2	20.0	1	11/10/23	11/13/23		



# **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ell Lake North 8078-0001 shley Gioveng					<b>Reported:</b> 11/14/2023 2:51:54PM
		Volatile O	rganics b		Analyst: RKS				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345054-BLK1)							Prepared: 1	1/08/23 A	nalyzed: 11/08/23
Benzene	ND	0.0250					-		
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			
LCS (2345054-BS1)							Prepared: 1	1/08/23 A	analyzed: 11/08/23
Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.62	0.0250	5.00		92.4	70-130			
Toluene	4.77	0.0250	5.00		95.4	70-130			
o-Xylene	4.76	0.0250	5.00		95.1	70-130			
o,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			
Matrix Spike (2345054-MS1)				Source:	E311052-0	04	Prepared: 1	1/08/23 A	analyzed: 11/08/23
Benzene	4.89	0.0250	5.00	ND	97.7	54-133			
Ethylbenzene	4.83	0.0250	5.00	ND	96.5	61-133			
Toluene	4.98	0.0250	5.00	ND	99.5	61-130			
p-Xylene	4.96	0.0250	5.00	ND	99.1	63-131			
o,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Fotal Xylenes	14.9	0.0250	15.0	ND	99.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			
Matrix Spike Dup (2345054-MSD1)				Source:	E311052-0	04	Prepared: 1	1/08/23 A	analyzed: 11/08/23
Benzene	4.67	0.0250	5.00	ND	93.4	54-133	4.52	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	4.17	20	
	4.77	0.0250	5.00	ND	95.3	61-130	4.29	20	
Foluene					051	63-131	4.15	20	
Toluene p-Xylene	4.76	0.0250	5.00	ND	95.1	03-131	4.15	20	
	4.76 9.58	0.0250 0.0500	5.00 10.0	ND ND	95.1 95.8	63-131	4.11	20	
o-Xylene									



# **QC Summary Data**

		QU D		ing Duc					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	ell Lake North 3078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	ço				11/14/2023 2:51:54PM
	Nor	nhalogenated C	rganics	by EPA 801	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345054-BLK1)							Prepared: 1	1/08/23 A	nalyzed: 11/08/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			
LCS (2345054-BS2)							Prepared: 1	1/08/23 A	nalyzed: 11/08/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			
Matrix Spike (2345054-MS2)				Source:	E311052-0	04	Prepared: 1	1/08/23 A	nalyzed: 11/08/23
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
Matrix Spike Dup (2345054-MSD2)				Source:	E311052-(	04	Prepared: 1	1/08/23 A	nalyzed: 11/08/23
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	81.0	70-130	6.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID									

# **QC Summary Data**

		QU D	<i></i>	ary Data					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:		Bell Lake North 3078-0001	n Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:	А	Ashley Gioveng	go				11/14/2023 2:51:54PM
	Nonh	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345114-BLK1)							Prepared: 1	1/10/23 A	nalyzed: 11/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			
LCS (2345114-BS1)							Prepared: 1	1/10/23 A	nalyzed: 11/11/23
Diesel Range Organics (C10-C28)	237	25.0	250		94.8	38-132			
Surrogate: n-Nonane	45.5		50.0		90.9	50-200			
Matrix Spike (2345114-MS1)				Source:	E311060-	06	Prepared: 1	1/10/23 A	nalyzed: 11/11/23
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			
Matrix Spike Dup (2345114-MSD1)				Source:	E311060-(	06	Prepared: 1	1/10/23 A	nalyzed: 11/11/23
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132	7.02	20	
Surrogate: n-Nonane	39.6		50.0		79.2	50-200			


## **QC Summary Data**

		•		J					
Kaiser Francis Oil Company		Project Name:	В	Bell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager:	A	Ashley Gioveng	go				11/14/2023 2:51:54PM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2345115-BLK1)							Prepared: 1	1/10/23	Analyzed: 11/13/23
Chloride	ND	20.0							
LCS (2345115-BS1)							Prepared: 1	1/10/23	Analyzed: 11/13/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2345115-MS1)				Source:	E311052-0	07	Prepared: 1	1/10/23	Analyzed: 11/13/23
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2345115-MSD1)				Source:	E311052-0	07	Prepared: 1	1/10/23	Analyzed: 11/13/23
Chloride	261	20.0	250	ND	104	80-120	0.808	20	

QC Summary Report Comment:

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



Γ	Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
	1224 Standpipe Rd	Project Number:	23078-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/14/23 14:51

ND	Analyte NOT DETECTED at or above the reporting limit
----	--

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





Release Project Information

Chain of Custody

.

Received by OCD: 5/1/2024 9:28:40 AM

Clier	t: Kaiser-F	rancis Oil (	Compa	any		Bill To				La	ab Use Only				TAT			EPA P	rogram	
Proje		ell Lake No				Attention: Hutton Andrew			WO#			Job Number			100 m	2D	3D	Standard	CWA	SDWA
Proje	ect Manage	r: Ashley	Giover	ngo		Address: 6733 Tale Ave		E	3110	52		23	500	8-0001				Х		
Add	ess: 3122	National P	arks H	lwy		City, State, Zip: Tulsa OK, 74136								nd Metho						RCRA
City,	State, Zip	Carlsbad N	IM, 88	3220		Phone: 580-307-7363			þγ							1			1	
	ne: 575-98					Email: huttona@kfoc.net			RO										State	
Ema	I: agioven	zo@ensolu	im.cor	m				1	0/0				0		5			NM CO		TX
	ort due by:								GRO/DRO/ORO by	3021	8260	010	300.		NM		TX	×		
Tin				No. of			Lab		GRO	by	by 8	ls 6	ide	1.1	8		U	× 1		
Sam	Date Sal	npled Mat	rix c	No. of Containers	Sample ID		Number		TPH (8015	BTEX by 8021	VOC by	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
9:1	.1 11/3/2	2023 So	il	1		SW01 - 0-4'	1								x					
9:1	.3 11/3/2	2023 So	11	1		SW02 - 0-4'	2								x					
9:3	3 11/3/2	2023 So	il	1		FS40 - 1'	3								x					
10:	45 11/3/2	2023 So	il	1		FS38 - 2'	4								x					
10:	47 11/3/2	2023 So	il	1		FS39 - 2'	5								x					
10:	59 11/3/2	2023 So	il	1		FS36 - 2'	6								x					
10:	57 11/3/2	2023 So	il	1		FS37 - 2'	5								х					
11:	57 11/3/2	2023 So	il	1		FS31 - 2'	8								x					
11:	55 11/3/2	2023 So	il	1		FS35 - 2'	9								x					
12:	29 11/3/2	2023 So	il	1		FS32 - 2'	10								x					
Addi	tional Instr	uctions:	Please	e CC: ck	ourton@enso	lum.com, agiovengo@ensolum.com, cł	namilton@e	enso	lum.c	om, o	ehaf	t@er	nsoli	um.com -	San	nples	kept	on ice		
date o	time of collec	tion is conside			ty of this sample. y be grounds for l		nd Ethan Haft	ole loc							avg ter	np abov	e 0 but le	eived on ice the day ess than 6 °C on subs	Contraction of the second	led or
Relinc	uished by: (S uished by: (S	Alle	2	Date Date	Time	Received by: (Signature)	Date U-(-) Date	3	Time	40			ived	l on ice:	$\sim$		se Onl	y		
	vished by: (S	gnature)	/	Date	Time	630 Adrew Husbo	11-6 Date	. 6	Time	500		<u>T1</u>			<u>T2</u>			<u></u> <u>T3</u>		
A	ndrew)	AUB			6.23 2	400 MMay	1117	23		25			_	np°C_4	٢					
-					eous, O - Other									, ag - amb						
1						unless other arrangements are made. Hazardou									ent e	expens	e. The	e report for the a	analysis of t	the above
Sampl	es is applicab	e only to the	ae sam	this let	erved by the labo	pratory with this COC. The liability of the laborate	ory is infilted t	O CHE	annou	in palo	101	un the	reho	/ L.						

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

lient:	Kaiser Francis Oil Company D	ate Received:	11/07/23	08:25	Work Order ID:	E311052
Phone:	(505) 382-1211 D	ate Logged In:	11/06/23	15:27	Logged In By:	Jordan Montano
Email:		ue Date:	11/14/23	17:00 (5 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courie	er	
4. Was t	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re-		Yes			
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample te	mnerature: 4%	С			
	Container	<u></u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	-					
	e head space less than 6-8 mm (pea sized or less)?		NA			
16. Is th	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?					
16. Is th 17. Was	a trip blank (TB) included for VOC analyses?		NA NA Yes			
16. Is th 17. Was 18. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	s collected?	NA			
16. Is th 17. Was 18. Are 19. Is the	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container	s collected?	NA Yes			
<ol> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field Late</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel_		NA Yes			
<ol> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Wer</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container		NA Yes			
<ol> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		NA Yes Yes			
<ol> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		NA Yes Yes Yes			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Wer</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	nation:	NA Yes Yes Yes No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Wer</li> </ul> Sample 21. Doe	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pres	nation:	NA Yes Yes Yes No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Wer</li> </ul> Sample 21. Doe 22. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u><b>Preservation</b></u> s the COC or field labels indicate the samples were press sample(s) correctly preserved?	nation: erved?	NA Yes Yes Yes No No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field Li</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met	nation: erved?	NA Yes Yes Yes No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>20. Were</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> <li>Multipli</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pres sample(s) correctly preserved? b filteration required and/or requested for dissolved met <b>mase Sample Matrix</b>	nation: erved? als?	NA Yes Yes No No No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field La</li> <li>20. Wer</li> <li>20. Wer</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> <li>Multipl</li> <li>26. Doe</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were pres sample(s) correctly preserved? b filteration required and/or requested for dissolved met <b>hase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase?	nation: erved? als?	NA Yes Yes No No No No			
<ul> <li>16. Is th</li> <li>17. Was</li> <li>18. Are</li> <li>19. Is the</li> <li>Field L:</li> <li>20. Wer</li> <li>20. Wer</li> <li>21. Doe</li> <li>22. Are</li> <li>24. Is la</li> <li>Multipl</li> <li>26. Doe</li> <li>27. If ye</li> </ul>	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met mase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	nation: erved? als?	NA Yes Yes No No No			
16. Is th 17. Was 18. Are 19. Is the Field La 20. Wer 21. Doe 22. Are 24. Is la Multiph 26. Doe 27. If ye Subcon	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met <b>hase Sample Matrix</b> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzet <b>tract Laboratory</b>	nation: erved? als? d?	NA Yes Yes No No No No No			
16. Is th 17. Was 18. Are 19. Is the Field La 20. Wer 21. Doe 22. Are 24. Is la Multiph 26. Doe 27. If ye Subcon 28. Are	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were press sample(s) correctly preserved? b filteration required and/or requested for dissolved met mase Sample Matrix s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	nation: erved? als? d?	NA Yes Yes No No No No	Subcontract Lab:		



Date

envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311117

Job Number: 23078-0001

Received: 11/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/21/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/21/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311117 Date Received: 11/14/2023 8:45:00AM

Ashley Giovengo,



Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/14/2023 8:45:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
FS27-4'	6
FS28-3'	7
FS33-2'	8
FS34-2'	9
FS42-0.5'	10
FS47-0.5'	11
SW03-0-2'	12
SW04-0-2'	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

#### Sample Summary

		Sample Sum	mary		
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Bell Lake North Pa 23078-0001 Ashley Giovengo	<b>Reported:</b> 11/21/23 19:19	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS26-2'	E311117-01A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS27-4'	E311117-02A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS28-3'	E311117-03A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS33-2'	E311117-04A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS34-2'	E311117-05A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS42-0.5'	E311117-06A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
FS47-0.5'	E311117-07A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW03-0-2'	E311117-08A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.
SW04-0-2'	E311117-09A	Soil	11/10/23	11/14/23	Glass Jar, 2 oz.



	5	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	Lake North I 78-0001 ley Giovengo			<b>Reported:</b> 11/21/2023 7:19:30PM
		FS26-2'				
		E311117-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	Analyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		84.7 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: BA		Batch: 2346109
Chloride	165	20.0	1	11/17/23	11/20/23	

## Sample Data

#### **Sample Data**

	D	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Numb		Lake North Pac 78-0001	11		Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			11/21/2023 7:19:30PM
		FS27-4'				
		E311117-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		79.8 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2346109
Chloride	117	20.0	1	11/17/23	11/20/23	



#### Sample Data

	D	ample D	ata			
Kaiser Francis Oil Company	Project Name		Lake North Pad	1		
1224 Standpipe Rd	Project Numb		78-0001		Reported:	
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			11/21/2023 7:19:30PM
		FS28-3'				
		E311117-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Foluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		82.8 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: BA		Batch: 2346109
Chloride	59.6	20.0	1	11/17/23	11/20/23	



#### Sample Data

	5	ample D	ลเล			
Kaiser Francis Oil Company	Project Name		Lake North Pa	ud 1		D ( 1
1224 Standpipe Rd Carlsbad NM, 88220	Project Numl Project Mana		78-0001 ley Giovengo			<b>Reported:</b> 11/21/2023 7:19:30PM
	1 Tojeet Walla	0	icy diovengo			11/21/2023 7.17.3014.
		FS33-2'				
		E311117-04				
		Reporting				
Analyte	Result	Limit	Dilutior	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Analyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/20/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/20/23	
Foluene	ND	0.0250	1	11/16/23	11/20/23	
p-Xylene	ND	0.0250	1	11/16/23	11/20/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/20/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/20/23	
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	11/16/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	11/16/23	11/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		83.6 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2346109
Chloride	97.3	20.0	1	11/17/23	11/20/23	



#### Sample Data

	D	ample D	ata			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North P	ad 1		
1224 Standpipe Rd	Project Numb		78-0001			Reported:
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo			11/21/2023 7:19:30PM
		FS34-2'				
		E311117-05				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	An	Analyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
oluene	ND	0.0250	1	11/16/23	11/21/23	
-Xylene	ND	0.0250	1	11/16/23	11/21/23	
,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
urrogate: n-Nonane		83.0 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2346109
Chloride	124	20.0	1	11/17/23	11/20/23	



#### Sample Data

	2	bample D	ลเล			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North	Pad 1		
1224 Standpipe Rd	Project Num	ber: 230	78-0001		Reported:	
Carlsbad NM, 88220	Project Mana	iger: Ash	ley Giovengo	,		11/21/2023 7:19:30PM
		FS42-0.5'				
		E311117-06				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		88.7 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2346109
Chloride	121	20.0	1	11/17/23	11/20/23	



#### Sample Data

	5	ample D	ata			
Kaiser Francis Oil Company	Project Name	e: Bell	Lake North Pad	1		
1224 Standpipe Rd	Project Numb	per: 230	78-0001		Reported:	
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			11/21/2023 7:19:30PN
		FS47-0.5'				
		E311117-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Foluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		84.6 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: BA		Batch: 2346109
Chloride	146	20.0	1	11/17/23	11/20/23	



### Sample Data

	D.	ampie D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 11/21/2023 7:19:30PM
		SW03-0-2'				
		E311117-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Toluene	ND	0.0250	1	11/16/23	11/21/23	
p-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Fotal Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		86.7 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: BA		Batch: 2346109
Chloride	41.8	20.0	1	11/17/23	11/20/23	



### Sample Data

	<b>D</b>	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name Project Numb		Lake North Pac 78-0001	11		Reported:
Carlsbad NM, 88220	Project Numb		ley Giovengo	11/21/2023 7:19:30PM		
	5	-	, ,			
		SW04-0-2' E311117-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2346099
Benzene	ND	0.0250	1	11/16/23	11/21/23	
Ethylbenzene	ND	0.0250	1	11/16/23	11/21/23	
Foluene	ND	0.0250	1	11/16/23	11/21/23	
o-Xylene	ND	0.0250	1	11/16/23	11/21/23	
o,m-Xylene	ND	0.0500	1	11/16/23	11/21/23	
Total Xylenes	ND	0.0250	1	11/16/23	11/21/23	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2346099
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/23	11/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	11/16/23	11/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2346127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/17/23	11/18/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/17/23	11/18/23	
Surrogate: n-Nonane		87.5 %	50-200	11/17/23	11/18/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2346109
Chloride	185	20.0	1	11/17/23	11/20/23	



## **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:		ell Lake North 3078-0001	n Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:		shley Gioveng	20				11/21/2023 7:19:30PM
				oy EPA 802					Auglast DAC
		volutile Of	0	-					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346099-BLK1)							Prepared: 1	1/16/23 A	analyzed: 11/20/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			
LCS (2346099-BS1)							Prepared: 1	1/16/23 A	analyzed: 11/20/23
Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	5.09	0.0250	5.00		102	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
p-Xylene	5.12	0.0250	5.00		102	70-130			
o,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			
Matrix Spike (2346099-MS1)				Source:	E311117-04	4	Prepared: 1	1/16/23 A	analyzed: 11/20/23
Benzene	4.54	0.0250	5.00	ND	90.8	54-133			
Ethylbenzene	4.75	0.0250	5.00	ND	95.1	61-133			
Toluene	4.73	0.0250	5.00	ND	94.5	61-130			
p-Xylene	4.79	0.0250	5.00	ND	95.8	63-131			
o,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			
Matrix Spike Dup (2346099-MSD1)				Source:	E311117-04	4	Prepared: 1	1/16/23 A	analyzed: 11/20/23
Benzene	4.82	0.0250	5.00	ND	96.3	54-133	5.96	20	
Ethylbenzene	5.07	0.0250	5.00	ND	101	61-133	6.44	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	6.00	20	
p-Xylene	5.09	0.0250	5.00	ND	102	63-131	6.11	20	
o,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	6.17	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	6.15	20	
			8.00		96.9	70-130			



## **QC Summary Data**

		QU D	u	ary Date					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	-	Bell Lake North 3078-0001	1 Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:	A	Ashley Gioveng	ço				11/21/2023 7:19:30PM
	Noi	nhalogenated C	Organics	by EPA 80	15D - GI	RO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346099-BLK1)							Prepared: 1	1/16/23 A	nalyzed: 11/20/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			
LCS (2346099-BS2)							Prepared: 1	1/16/23 A	nalyzed: 11/20/23
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			
Matrix Spike (2346099-MS2)				Source:	E311117-0	4	Prepared: 1	1/16/23 A	nalyzed: 11/20/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			
Matrix Spike Dup (2346099-MSD2)				Source:	E311117-0	4	Prepared: 1	1/16/23 A	nalyzed: 11/21/23
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130	1.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130		-	



## **QC Summary Data**

		QU N	<i></i>	ary Duc					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	Bell Lake North 3078-0001					<b>Reported:</b> 11/21/2023 7:19:30PM
Carlsbad NM, 88220		Project Manager:	P	shley Gioveng	<u>zo</u>				11/21/2023 /:19:30PM
	Nonha	logenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346127-BLK1)							Prepared: 1	1/17/23 A	nalyzed: 11/18/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			
LCS (2346127-BS1)							Prepared: 1	1/17/23 A	nalyzed: 11/18/23
Diesel Range Organics (C10-C28)	224	25.0	250		89.6	38-132			
Surrogate: n-Nonane	46.0		50.0		92.1	50-200			
Matrix Spike (2346127-MS1)				Source:	E311117-0	)4	Prepared: 1	1/17/23 A	nalyzed: 11/18/23
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	48.4		50.0		96.9	50-200			
Matrix Spike Dup (2346127-MSD1)				Source:	E311117-0	)4	Prepared: 1	1/17/23 A	nalyzed: 11/18/23
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.2	38-132	5.42	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



## **QC Summary Data**

				J					
Kaiser Francis Oil Company		Project Name:	E	Bell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager	:: A	Ashley Gioveng	go				11/21/2023 7:19:30PM
		Anions	by EPA	300.0/9056	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2346109-BLK1)							Prepared: 1	1/17/23	Analyzed: 11/20/23
Chloride	ND	20.0							
LCS (2346109-BS1)							Prepared: 1	1/17/23	Analyzed: 11/20/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2346109-MS1)				Source:	E311117-0	3	Prepared: 1	1/17/23	Analyzed: 11/20/23
Chloride	312	20.0	250	59.6	101	80-120			
Matrix Spike Dup (2346109-MSD1)				Source:	E311117-0	3	Prepared: 1	1/17/23	Analyzed: 11/20/23
Chloride	339	20.0	250	59.6	112	80-120	8.32	20	

QC Summary Report Comment:

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



Γ	Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
	1224 Standpipe Rd	Project Number:	23078-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/21/23 19:19

ND Analyte NOT DETECTED at or above the a	reporting limit
---	-----------------

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



Referoject Information

Received by OCD: 5/1/2024 9:28:40 AM

chent.	Kaiser-Francis	Oil Com	pany		Bill To				Lab I	Use	Only		TAT					EPA P	rogram
	Bell Lake Nor				Attention: Hutton Andrew		Lab V	NO#		10.00		mber		2D	3D	Sta	ndard	CWA	SDWA
	Manager: Ash				Address: 6733 Tale Ave		E3	1111	7	2	130	78-000					x		
	: 3122 Nation				City, State, Zip: Tulsa OK, 74136	_				An	alysis	and Metho	bd			1			RCRA
	te, Zip Carlsb		38220		Phone: 580-307-7363			β											
Phone:	575-988-0055	; ;			Email: huttona@kfoc.net			ONO										State	No. Com
Email: a	agiovengo@en	nsolum.c	om					KOV					NN		TX		NM CO	UT AZ	TX
Report	due by:	_				1			8021	100	102 0						×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		1PH GRO/DRO/ORO by 8015	BTEX by 8021 VOC by 8260	Matole	Metals 6010		BGDOC		GDOC			Remarks	
10:01	11/10/2023	Soil	1 Jar	2	FS26 - 2'								x						
9:10	11/10/2023	Soil	1 Jar		FS27 - 4'	2							x						
9:14	11/10/2023	Soil	1 Jar		FS28 - 3'	3							x						
11:00	11/10/2023	Soil	1 Jar		FS33 - 2'	4							x						
9:22	11/10/2023	Soil	1 Jar		FS34 - 2'	5							x						
10:47	11/10/2023	Soil	1 Jar		FS42 - 0.5'	6							x						
11:29	11/10/2023	Soil	1 Jar		FS47 - 0.5'	7							x		1				
10:26	11/10/2023	Soil	1 Jar		SW03 - 0-2'	8							x						
10:33	11/10/2023	Soil	1 Jar		SW04 - 0-2'	9							x						
Addition	al Instruction	s: Plea	se CC: cb	urton@ensolur	n.com, agiovengo@ensolum.com, cha	milton@e	nsolur	n.com	, eha	ft@d	ensol	um.com							
				y of this sample. I an be grounds for legal	aware that tampering with or intentionally mislabel action.	lling the sample	e locatio	n,				quiring thermal icked in ice at ar							led or
n	ed by Signature	n	Date	()/23 13. Time	Received by: (Signature)	Date 11-13- Date	23	Time Time	21	Re	eceiv	ed on ice:		ab Us		nly			
	ed by: (Signature		Date		Received by: (Signature)	Date II.1	3.23	/Q	30	_ <u>T1</u>	1		<u>T2</u>			_ 1	<u>r</u> 3		
Andre	1 M	930	1	1.13.23 24		11/14	23	8:4		_		emp °c_	_		1/0		_		_
	trix: S - Soil, Sd - Sol		2									tic, ag - am	ber g	lass, v	- V0/	A	facthers	anhusia of t	a about
					ess other arrangements are made. Hazardous ory with this COC. The liability of the laborator							or at the cli	ent e	xpense	. ine	e report	for the ar	b t	ie anove

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company	ate Received:	11/14/23 08	:45		Work Order ID:	E311117
Phone:	(505) 382-1211 E	Date Logged In:	11/14/23 08	:45		Logged In By:	Jordan Montano
Email:	agiovengo@ensolum.com E	Due Date:	11/20/23 17	2:00 (4 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was tl	he COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes	—			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	ne field,	Yes			Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				~ 1 1		
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes		Samples die	d not have s	ampler name.
Sample	Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample te	mperature: <u>4°</u>	<u>C</u>				
Sample	<u>Container</u>	-					
	aqueous VOC samples present?		No				
15. Are '	VOC samples collected in VOA Vials?		NA				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA				
17. Was	a trip blank (TB) included for VOC analyses?		NA				
18. Are 1	non-VOC samples collected in the correct containers?		Yes				
19. Is the	e appropriate volume/weight or number of sample container	s collected?	Yes				
Field La	abel						
20. Were	e field sample labels filled out with the minimum inform	nation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		Yes				
	Preservation		No				
-	s the COC or field labels indicate the samples were pres	erved?	No				
	sample(s) correctly preserved?		NA				
	b filteration required and/or requested for dissolved met	als?	No				
	ase Sample Matrix		•				
	s the sample have more than one phase, i.e., multiphase	,	No				
26 Does	s, does the COC specify which phase(s) is to be analyze		NA				
	s, aces the COC speens which phase(s) is to be analyze	~~.	INA				
27. If ye							
27. If ye <u>Subcont</u>	tract Laboratory	)	N-				
<ol> <li>27. If ye</li> <li><u>Subcont</u></li> <li>28. Are s</li> </ol>	tract Laboratory samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if so		No NA S	Subcontract Lab	214		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311190

Job Number: 23078-0001

Received: 11/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/30/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 11/30/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311190 Date Received: 11/22/2023 7:30:00AM

Ashley Giovengo,



Page 206 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2023 7:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS43-0'	5
FS41-0'	6
QC Summary Data	7
QC - Volatile Organic Compounds by EPA 8260B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

		Sample Sum	mary		
Kaiser Francis Oil Company		Project Name:	Reported:		
1224 Standpipe Rd		Project Number:	23078-0001		Reporteu:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		11/30/23 15:37
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS43-0'	E311190-01A	Soil	11/20/23	11/22/23	Glass Jar, 2 oz.
FS41-0'	E311190-02A	Soil	11/20/23	11/22/23	Glass Jar, 2 oz.

C



•

		imple D				
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Numbe	er: 230'	Lake North 178-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Ash	ley Giovengo	•		11/30/2023 3:37:20PM
		FS43-0'				
		E311190-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2347085
Benzene	ND	0.0250	1	11/22/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/22/23	11/29/23	
Toluene	ND	0.0250	1	11/22/23	11/29/23	
o-Xylene	ND	0.0250	1	11/22/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/22/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130	11/22/23	11/29/23	
Surrogate: Toluene-d8		91.6 %	70-130	11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2347085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene		107 %	70-130	11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130	11/22/23	11/29/23	
Surrogate: Toluene-d8		91.6 %	70-130	11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: JL		Batch: 2348043
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/23	11/28/23	
Surrogate: n-Nonane		96.8 %	50-200	11/28/23	11/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2348061
Chloride	138	20.0	1	11/29/23	11/29/23	

## Sample Data



Sample Data	Sam	ple Data	
-------------	-----	----------	--

	D	ample D	uu				
Kaiser Francis Oil Company	Project Name		Lake North	n Pad 1			D ( )
1224 Standpipe Rd	Project Numb		78-0001				<b>Reported:</b> 11/30/2023 3:37:20PM
Carlsbad NM, 88220	Project Mana	ger: Asn	ley Gioveng	go			11/30/2023 3:37:20PM
		FS41-0'					
		E311190-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RK	KS		Batch: 2347085
Benzene	ND	0.0250	1	l	11/22/23	11/29/23	
Ethylbenzene	ND	0.0250	1	l	11/22/23	11/29/23	
Toluene	ND	0.0250	1	l	11/22/23	11/29/23	
o-Xylene	ND	0.0250	1	l	11/22/23	11/29/23	
p,m-Xylene	ND	0.0500	1	l	11/22/23	11/29/23	
Total Xylenes	ND	0.0250	1	l	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene		113 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8		123 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: RK	KS		Batch: 2347085
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene		113 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8		123 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2348043
Diesel Range Organics (C10-C28)	ND	25.0	1	l	11/28/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	l	11/28/23	11/28/23	
Surrogate: n-Nonane		97.9 %	50-200		11/28/23	11/28/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA	4		Batch: 2348061
Chloride	135	20.0	1	l	11/29/23	11/29/23	



## **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	23	ll Lake North 078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	As	hley Gioveng	jo			11	/30/2023 3:37:20PM
		Volatile Organic	3	Analyst: RKS					
Analyte	Damlt	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	Result mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2347085-BLK1)							Prepared: 1	1/22/23 Ana	lyzed: 11/29/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
		0.0250	0.500		96.0	70-130			
Surrogate: Bromofluorobenzene	0.480								
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2347085-BS1)							Prepared: 1	1/22/23 Ana	lyzed: 11/29/23
Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.30	0.0250	2.50		91.8	70-130			
p-Xylene	3.24	0.0250	2.50		129	70-130			
p,m-Xylene	5.13	0.0500	5.00		103	70-130			
Total Xylenes	8.36	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	0.648		0.500		130	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.454		0.500		90.7	70-130			
Matrix Spike (2347085-MS1)				Source:	E311177-0	)3	Prepared: 1	1/22/23 Ana	lyzed: 11/30/23
Benzene	2.23	0.0250	2.50	ND	89.4	48-131			
Ethylbenzene	2.21	0.0250	2.50	ND	88.4	45-135			
Toluene	2.09	0.0250	2.50	ND	83.8	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.8	70-130			
Surrogate: Toluene-d8	0.404		0.500		80.8	70-130			
Matrix Spike Dup (2347085-MSD1)				Source:	E311177-0	)3	Prepared: 1	1/22/23 Ana	lyzed: 11/29/23
Benzene	2.80	0.0250	2.50	ND	112	48-131	22.5	23	, <i>-</i> >,
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-131	12.7	23	
•	2.31		2.50	ND	96.7	43-133	14.3	24	
Toluene	2.42	0.0250	2.50	ND ND	96.7 95.4	48-130	8.62	24 27	
o-Xylene		0.0250							
p,m-Xylene	4.70	0.0500	5.00	ND	94.0 94.5	43-135	15.6	27 27	
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135	13.3	27	
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
			0.500			70-130			



## **QC Summary Data**

		$\mathbf{z} \in \mathcal{D}$		ary Date					
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Bell Lake North 23078-0001 Ashley Gioveng					<b>Reported:</b> 11/30/2023 3:37:20PM
	N	onhalogenated O	Organics	s by EPA 80	15D - GR	0			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2347085-BLK1)							Prepared: 1	1/22/23	Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
LCS (2347085-BS2)							Prepared: 1	1/22/23	Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.464		0.500		92.8	70-130			
Matrix Spike (2347085-MS2)				Source:	E311177-03	3	Prepared: 1	1/22/23	Analyzed: 11/30/23
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.6	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.413		0.500		82.5	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
Matrix Spike Dup (2347085-MSD2)				Source:	E311177-03	3	Prepared: 1	1/22/23	Analyzed: 11/29/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.7	70-130	7.01	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.1	70-130			

## **QC Summary Data**

		$\chi \cup \lambda$		ary Dat					
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Bell Lake North 3078-0001 Ashley Gioveng					<b>Reported:</b> 11/30/2023 3:37:20PM
Calisbau NM, 88220		Floject Manager.	P	Isiliey Oloveng	30				11/30/2023 5.57.201 WI
	Nonha	logenated Org	anics by	EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348043-BLK1)							Prepared: 1	1/28/23 A	nalyzed: 11/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			
LCS (2348043-BS1)							Prepared: 1	1/28/23 A	nalyzed: 11/28/23
Diesel Range Organics (C10-C28)	275	25.0	250		110	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			
Matrix Spike (2348043-MS1)				Source:	E311209-0	05	Prepared: 1	1/28/23 A	nalyzed: 11/28/23
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			
Matrix Spike Dup (2348043-MSD1)				Source:	E311209-(	05	Prepared: 1	1/28/23 A	nalyzed: 11/28/23
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	2.29	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



## **QC Summary Data**

		L L		J					
Kaiser Francis Oil Company		Project Name:	Е	ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	go				11/30/2023 3:37:20PM
		Anions	by EPA	<b>300.0/9056</b> A	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348061-BLK1)							Prepared: 1	1/29/23	Analyzed: 11/29/23
Chloride	ND	20.0							
LCS (2348061-BS1)							Prepared: 1	1/29/23	Analyzed: 11/29/23
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2348061-MS1)				Source:	E311178-(	)2	Prepared: 1	1/29/23	Analyzed: 11/29/23
Chloride	307	20.0	250	49.7	103	80-120			
Matrix Spike Dup (2348061-MSD1)				Source:	E311178-(	)2	Prepared: 1	1/29/23	Analyzed: 11/29/23
Chloride	305	20.0	250	49.7	102	80-120	0.752	20	

QC Summary Report Comment:

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



Γ	Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
	1224 Standpipe Rd	Project Number:	23078-0001	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/30/23 15:37

ND Analyte NOT DETECTED at or above	the reporting limit
-------------------------------------	---------------------

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





Release Project Information TAR319310

Project Information TAR319310	Chain of Cu	stody				Page
Client: Kaiser-Francis Oil Company Project: Bell Lake Nach Pad ( Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy	Bill To Attention: Hutton Andrew Address: 6733 S Yale Ave City, State: , Zip: Tulsa, OK, 74136	Lab WO# E 311190	Use Only Job Number 23078-000 Analysis and Metho	1D 2D 3D	AT Standard	EPA Program CWA SDWA
City, State, Zip: Carlsbad NM, 88220         Phone: 575-988-0055         Email: agiovengo@ensolum.com         Report due by:	Phone: (580) 307-7363 Email: Huttona@kfoc.net	TPH GRO/DRO/ORO by 8015 BTEX by 8021 VIOC hu 8260		MN XI		State
Time Sampled Date Sampled Matrix No. of Containers Sample ID	Lab Number	TPH GRO/DRO 8015 BTEX by 8021 V/OC hu 8260	Metals 6010 Chloride 300.0	BGDOC BGDOC		Remarks
1009 11/20/25 S 1 F543-C				X	<b> </b>	
1013 11/20/23 5 1 F541-0	. 2			X		
·····	an a sa an		+			
Additional Instructions: Please CC: cburton@ensolu	im.com, agiovengo@ensoium.com, cnamiiton@e	ensolum.com, Hu	Samples requiring thermal			u they are executed as
I, (field sampler), attest to the validity and authenticity of this sample. I and		e location,	received packed in ice at a			
date or time of collection is considered fraud and may be grounds for lega Relinguished by: (Signature) Date Time	Received by: (Signature)	Time		Lab Use Or	nly	
	45 11.21.	Time	Received on ice:	()/ N		
Angle 11:2:23 17	40 (IMONTERO) 11/22/1	23 7:30 Time	<u></u> <u></u>	<u>T2</u>	<u> </u>	
Relinguished by: (Signature) Date Time	Received by: (Signature) Date	i une	AVG Temp °C	<u>'ł</u>		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported un			poly/plastic, ag - am or disposed of at the clie			alysis of the above
samples is applicable only to those samples received by the labora	story with this COC. The liability of the laboratory is limited to	the amount paid for	on the report.			
	_		E	er	<u>ι vi</u>	rotec
	Page 12 of	t 13	-			
#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	s: Please take note of any NO checkmarks.	-	-	Checklist (SRC)	wastad	
	ve no response concerning these items within 24 hours of the			<u> </u>	·	
Client:		ate Received:	11/22/23		Work Order ID:	E311190
Phone:		ate Logged In:	11/21/23		Logged In By:	Jordan Montano
Email:	agiovengo@ensolum.com D	ue Date:	11/30/23	5 17:00 (4 day TAT)		
<u>Chain o</u>	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	the COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<u>Commen</u>	ts/Resolution
Sample	e Turn Around Time (TAT)					
-	he COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	s, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of compliant		Yes			
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample ter	mnerature 4º	'n			
		inperature. <u>-</u>	<u> </u>			
-	<u>container</u> aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	s a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La		s conceteur.	103			
	e field sample labels filled out with the minimum inform	nation.				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation					
21. Doe	es the COC or field labels indicate the samples were prese	erved?	No			
	sample(s) correctly preserved?		NA			
24. Is la	b filteration required and/or requested for dissolved meta	als?	No			
<u>Multipl</u>	hase Sample Matrix					
26. Doe	es the sample have more than one phase, i.e., multiphase?	•	No			
27. If ye	es, does the COC specify which phase(s) is to be analyze	d?	NA			
Subcon	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
29. Was	s a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
29. Was			NA	Subcontract Lab: NA		



envirotech Inc.

.

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

Date





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311198

Job Number: 23078-0001

Received: 11/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/1/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311198 Date Received: 11/27/2023 7:30:00AM

Ashley Giovengo,



Page 219 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/27/2023 7:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS 19-1.5'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

		Sample Sum	mary		
Kaiser Francis Oil Company		Project Name:	Bell Lake North Pad	1	Reported:
1224 Standpipe Rd		Project Number:	23078-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		12/01/23 11:15
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS 19-1.5'	E311198-01A	Soil	11/21/23	11/27/23	Glass Jar, 2 oz.

C



	3	ample D	ลเล			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 230	Lake North Pao 78-0001 ley Giovengo	11		<b>Reported:</b> 12/1/2023 11:15:48AN
		FS 19-1.5'				
		E311198-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2348022
Benzene	ND	0.0250	1	11/27/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/27/23	11/29/23	
Foluene	ND	0.0250	1	11/27/23	11/29/23	
p-Xylene	ND	0.0250	1	11/27/23	11/29/23	
o,m-Xylene	ND	0.0500	1	11/27/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/27/23	11/29/23	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	11/27/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2348022
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/27/23	11/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	11/27/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2348064
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/23	11/29/23	
Dil Range Organics (C28-C36)	ND	50.0	1	11/29/23	11/29/23	
Surrogate: n-Nonane		77.4 %	50-200	11/29/23	11/29/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2348079
Chloride	326	20.0	1	11/30/23	11/30/23	



# **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ell Lake North 8078-0001 shley Gioveng					<b>Reported:</b> 12/1/2023 11:15:48AM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348022-BLK1)							Prepared: 1	1/27/23 A	Analyzed: 11/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			
LCS (2348022-BS1)							Prepared: 1	1/27/23 A	Analyzed: 11/27/23
Benzene	5.56	0.0250	5.00		111	70-130			
Ethylbenzene	5.47	0.0250	5.00		109	70-130			
Toluene	5.53	0.0250	5.00		111	70-130			
p-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			
Matrix Spike (2348022-MS1)				Source:	E311192-01		Prepared: 1	1/27/23 A	Analyzed: 11/27/23
Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
p-Xylene	4.94	0.0250	5.00	ND	98.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			
Matrix Spike Dup (2348022-MSD1)				Source:	E311192-01		Prepared: 1	1/27/23 A	Analyzed: 11/27/23
Benzene	5.07	0.0250	5.00	ND	101	54-133	0.572	20	
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133	0.943	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.629	20	
p-Xylene	4.99	0.0250	5.00	ND	99.7	63-131	0.838	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	0.929	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.899	20	
Iotal Aylenes		010200			101				



# **QC Summary Data**

				ary Date	~				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number:	2	Bell Lake North 3078-0001 Ashley Gioveng					<b>Reported:</b> 12/1/2023 11:15:48AM
Carisbad NNI, 88220		Project Manager:	A	Isiney Gloveng	0				12/1/2023 11.13.48AM
	Nor	nhalogenated C	Organics	by EPA 801	15D - GI	RO			Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348022-BLK1)							Prepared: 1	1/27/23 A	analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			
LCS (2348022-BS2)							Prepared: 1	1/27/23 A	analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			
Matrix Spike (2348022-MS2)				Source:	E311192-0	)1	Prepared: 1	1/27/23 A	analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		8.00		103	70-130			
Matrix Spike Dup (2348022-MSD2)				Source:	E311192-0	)1	Prepared: 1	1/27/23 A	analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	0.0655	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$	••••••	ary Dun					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	_	Bell Lake North 23078-0001	Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:	A A	Ashley Gioveng	go				12/1/2023 11:15:48AM
	Nonha	alogenated Org	anics by	7 EPA 8015E	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348064-BLK1)							Prepared: 1	1/29/23 A	nalyzed: 11/29/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.9		50.0		81.8	50-200			
LCS (2348064-BS1)							Prepared: 1	1/29/23 A	analyzed: 11/29/23
Diesel Range Organics (C10-C28)	215	25.0	250		86.1	38-132			
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			
Matrix Spike (2348064-MS1)				Source:	E311134-(	06	Prepared: 1	1/29/23 A	analyzed: 11/29/23
Diesel Range Organics (C10-C28)	991	125	250	823	67.2	38-132			
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			
Matrix Spike Dup (2348064-MSD1)				Source:	E311134-(	06	Prepared: 1	1/29/23 A	nalyzed: 11/29/23
Diesel Range Organics (C10-C28)	1040	125	250	823	87.9	38-132	5.10	20	
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			



### **QC Summary Data**

		L L		•					
Kaiser Francis Oil Company		Project Name:	E	Bell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager	: A	Ashley Gioveng	go				12/1/2023 11:15:48AM
		Anions	by EPA	300.0/90564	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348079-BLK1)							Prepared: 1	1/30/23 A	Analyzed: 11/30/23
Chloride	ND	20.0							
LCS (2348079-BS1)							Prepared: 1	1/30/23 A	Analyzed: 11/30/23
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2348079-MS1)				Source:	E311220-2	22	Prepared: 1	1/30/23 A	Analyzed: 11/30/23
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2348079-MSD1)				Source:	E311220-2	22	Prepared: 1	1/30/23 A	Analyzed: 11/30/23
Chloride	257	20.0	250	ND	103	80-120	1.39	20	

QC Summary Report Comment:

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



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	12/01/23 11:15

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





Project In TAR3193	formation 10										Chain of Cu	stod	jy -		ł					۰ ۲						Pa	ge <u> </u> of <u> </u>				
Project: Project N	Kaiser-France Bell Lake Manager: As 3122 Natio	<u>ماءر ہ</u> hley Gio	<u>pad</u> vengo			3. 174 1	Attention Address:	67	Bill 1 utton An 33 S Yale	drew Ave	4126	Lab E	wo#				Num OV	ber	100	LD [	2D	TA 3D		andard X	EPA P CWA	SDWA RCRA					
City, Stat Phone:	e, Zip: Carls 575-988-005 giovengo@e	bad NM 5	88220	20P			Phone: (580) 307-73	City, State:, Zip: Tulsa, OK, 7 Phone: (580) 307-7363 Email: Huttona@kfoc.net			Phone: (580) 307-7363				4130		TPH GRO/DRO/ORO by 8015	8021						M		ř		NM CO	State UT AZ		ge of
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample	ID						Lab Number		TPH GRC 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC		GDOC			Remarks	i					
1121	11/21/23	5		Fa)	4 -	1.5					$ \hat{X} ^{2}$									X											
\$																					_										
										<u></u> .											_	_			<u> </u>						
				<u> </u>			<u></u> .			<u></u>										+	-										
		1							<u>.                                    </u>											_	_										
													-																		
Addition	al Instructio	ns: Plea	ase CC: ct	ourton@	ensolu	ım.co	om, agiov	engo(	@ensolu	m.com, ch	namilton@e	nsol	lum.c	om,	Hutt	ona	@kfo	c.net	, eha	ft@e	nsol	lum.	com								
	ler), attest to the of collection is c	·		•	•		•	•	th or intenti	onally mislabo	elling the sample	e locat	tion,					-						on ice the day n 6°C on subse	-	pled or					
$\underline{\mathcal{N}}$	d by: (Signatur		Date	22/23	Time 9	00	Receive	ed by:	(Signature	/	Date /'22 '	23	Time G Time	100		Rece	eived	on ic	:e:	لم م		e Onl	ly								
	d by: (Signatur			22.23		<u>,3</u> 0		ed by:	(Signature)		Date Date	23	Time	30		<u>T1</u>		10000000000000000000000000000000000000	_ <u>1</u> /	2			69 - 10 	<u>T3</u>							
	ix: <b>S</b> - Soil, <b>Sd</b> - S										Container				p - p	oly/p	lastic										÷				
											samples will b ry is limited to								client								le l				
											Page 11	of 1	2			C	2				Ĵ	n		/ İ I	r O	te	ech				

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company Da	te Received:	11/27/23 (	07:30	Work Order ID:	E311198
Phone:	(505) 382-1211 Da	te Logged In:	11/27/23	11:15	Logged In By:	Jordan Montano
Email:	· · ·	ie Date:		17:00 (4 day TAT)		
<u>Chain o</u>	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courrier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are rec		Yes			
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sample tem		C			
	Container	<u></u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum information of the same of t	ation:				
1	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
-	<u>Preservation</u>	un ad 9	ът.			
	s the COC or field labels indicate the samples were prese	rved?	No Na			
	sample(s) correctly preserved?	169	NA Na			
	b filteration required and/or requested for dissolved meta	13 (	No			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
27. If ye	es, does the COC specify which phase(s) is to be analyzed	17	NA			
	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
20 Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		

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







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E311237

Job Number: 23078-0001

Received: 12/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/4/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/4/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E311237 Date Received: 12/1/2023 7:30:00AM

Ashley Giovengo,



Page 231 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/1/2023 7:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS47-0.5'	5
FS24-5'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	Bell Lake North Pac 23078-0001	d 1	Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		12/04/23 14:19
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS47-0.5'	E311237-01A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.
FS24-5'	E311237-02A	Soil	11/29/23	12/01/23	Glass Jar, 2 oz.



	5	ample D	ala			
Kaiser Francis Oil Company	Project Name		Lake North	Pad 1		
1224 Standpipe Rd	Project Numb		78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo	)		12/4/2023 2:19:52PM
		FS47-0.5'				
		E311237-01				
		Reporting				
Analyte	Result	Limit	Dilut	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2348088
Benzene	ND	0.0250	1	11/30/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/01/23	
Toluene	ND	0.0250	1	11/30/23	12/01/23	
p-Xylene	ND	0.0250	1	11/30/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/01/23	
Fotal Xylenes	ND	0.0250	1	11/30/23	12/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.5 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2348088
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	.nalyst: KM		Batch: 2348098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		88.8 %	50-200	12/01/23	12/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	.nalyst: BA		Batch: 2348103
Chloride	28.0	20.0	1	12/01/23	12/01/23	

#### Sample Data

	5	ample D	ala			
Kaiser Francis Oil Company	Project Name		Lake North	Pad 1		
1224 Standpipe Rd	Project Numb		78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo	)		12/4/2023 2:19:52PM
		FS24-5'				
		E311237-02				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2348088
Benzene	ND	0.0250	1	11/30/23	12/01/23	
Ethylbenzene	ND	0.0250	1	11/30/23	12/01/23	
Toluene	ND	0.0250	1	11/30/23	12/01/23	
p-Xylene	ND	0.0250	1	11/30/23	12/01/23	
o,m-Xylene	ND	0.0500	1	11/30/23	12/01/23	
Total Xylenes	ND	0.0250	1	11/30/23	12/01/23	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2348088
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/30/23	12/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	11/30/23	12/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: KM		Batch: 2348098
Diesel Range Organics (C10-C28)	ND	25.0	1	12/01/23	12/01/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/01/23	12/01/23	
Surrogate: n-Nonane		90.2 %	50-200	12/01/23	12/01/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2348103
Chloride	441	20.0	1	12/01/23	12/01/23	



# **QC Summary Data**

Kaiser Francis Oil Company		Project Name:		ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:		8078-0001					
Carlsbad NM, 88220		Project Manager:	Α	shley Gioveng	go				12/4/2023 2:19:52PM
		Volatile O	rganics <b>b</b>	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348088-BLK1)							Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Benzene	ND	0.0250					-		-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			
LCS (2348088-BS1)							Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Benzene	5.12	0.0250	5.00		102	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			
Matrix Spike (2348088-MS1)				Source:	E311231-(	06	Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Benzene	4.95	0.0250	5.00	ND	99.0	54-133			
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133			
Toluene	4.94	0.0250	5.00	ND	98.8	61-130			
p-Xylene	4.91	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			
Matrix Spike Dup (2348088-MSD1)				Source:	E311231-(	06	Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Benzene	5.38	0.0250	5.00	ND	108	54-133	8.35	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	8.11	20	
Toluene	5.36	0.0250	5.00	ND	107	61-130	8.13	20	
p-Xylene	5.33	0.0250	5.00	ND	107	63-131	8.27	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	7.97	20	
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131	8.07	20	



## **QC Summary Data**

		<b>X</b> U N	•••••••	ary Dan					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	_	Bell Lake North 3078-0001	Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:	А	shley Gioveng	;o				12/4/2023 2:19:52PM
	Noi	nhalogenated (	Organics	by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348088-BLK1)							Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2348088-BS2)							Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			
Matrix Spike (2348088-MS2)				Source:	E311231-	06	Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
Matrix Spike Dup (2348088-MSD2)				Source:	E311231-	06	Prepared: 1	1/30/23 A	nalyzed: 12/01/23
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130	4.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

## **QC Summary Data**

		QU N		ary Date					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	Bell Lake North 3078-0001					<b>Reported:</b> 12/4/2023 2:19:52PM
Carlsbad NM, 88220		Project Manager:	P	Ashley Gioveng	<u>go</u>				12/4/2023 2:19:52PM
	Nonha	alogenated Org	anics by	EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2348098-BLK1)							Prepared: 1	2/01/23 A	nalyzed: 12/01/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			
LCS (2348098-BS1)							Prepared: 1	2/01/23 A	nalyzed: 12/01/23
Diesel Range Organics (C10-C28)	277	25.0	250		111	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike (2348098-MS1)				Source:	E311240-0	03	Prepared: 1	2/01/23 A	nalyzed: 12/01/23
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			
Matrix Spike Dup (2348098-MSD1)				Source:	E311240-(	03	Prepared: 1	2/01/23 A	nalyzed: 12/01/23
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	1.13	20	
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			



### **QC Summary Data**

Kaiser Francis Oil Company		Project Name:	E	Bell Lake North	n Pad 1				Reporte	ed:
1224 Standpipe Rd		Project Number:	2	23078-0001					•	
Carlsbad NM, 88220		Project Manager:	: A	Ashley Gioveng	go				12/4/2023 2:	19:52PM
		Anions	by EPA	300.0/9056	4				Analyst: B	4
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limi		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Not	es
Blank (2348103-BLK1)							Prepared:	12/01/23	Analyzed: 12/0	1/23
Chloride	ND	20.0								
LCS (2348103-BS1)							Prepared:	12/01/23	Analyzed: 12/0	1/23
Chloride	244	20.0	250		97.7	90-110				
Matrix Spike (2348103-MS1)				Source:	E311222-(	)1	Prepared:	12/01/23	Analyzed: 12/0	1/23
Chloride	527	200	250	271	102	80-120				
Matrix Spike Dup (2348103-MSD1)				Source:	E311222-0	)1	Prepared:	12/01/23	Analyzed: 12/0	1/23
Chloride	488	200	250	271	86.7	80-120	7.71	20		

QC Summary Report Comment:

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



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	12/04/23 14:19

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





Reproject Information AR319310

Pa	ge <u>1</u> of <u>1</u>	Received by OCD: 5/1/2024 9:28:40 AM
m WA		by C
		E)
RA		: 5/
		1/20.
		24 5
		:28
		:40
		AM

Client:	Kaiser-Franc	is Oil Co	mpany			Bill To				La	ab Us	se Or	ıly				T/	AT		EPA Pr	ogram
	Bell Lake					Attention: Hutton Andrew		Lab	wo#	ŧ		dQL	Num	ber		2D	3D	Sta	andard	CWA	SDWA
	Manager: As					Address: 6733 S Yale Ave		E.	311	23	ר	123	07	5-000	51 X						
	3122 Natio					City, State: , Zip: Tulsa, OK, 741	.36					Analy	/sis an	d Meth	od	_					RCRA
	te, Zip: Carls					Phone: (580) 307-7363			β												
	575-988-005					Email: Huttona@kfoc.net			S S									[		State	
9	giovengo@e		com		] <u>-</u>			7	٥ ٥		_		9		M				NM CO	UT AZ	TX
Report d									0	8	8260	010	) M				Ĕ		X		
o Time	Date Sampled	Matrix	No. of	Sample ID			Lab	7	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
Sampled	Date sampled	Matrix	Containers	Sample iD			Number		토 ố	E	Ŝ.	Me	ਤੋ		8		6			inciniar ko	
KAK	11/10/100			5 . 11 - 7		- 1	N.		ł						X						
2808	11/24/23	5	<u>ا</u>	F547-1	5,5		V	1				<u> </u>			$\downarrow$						
ξ	Jacia		1 .	F524-	، م		17						•		X						
1437	11/26/25	S		+529-	<u>b</u>			<u> </u>							1^						
								1													
								-							_						
			ļ					┥──							+	+					
								1													
			<u> </u>												_	+					
															+	+					
								-							+	+	$\vdash$				
						·····		-								+				- <u></u>	
	- 1 1	Di-				om, agiovengo@ensolum.com, cha	milton®				LI++	00004	ച്ച	not c	haft				·····		
Addition	al Instructio	ns: Ple	ase cc: c	burton@enso	um.	om, agiovengo@ensoium.com, cha	mintonæ	enso	u	.0111,	mut	Una	WRID		manu	wens.	510111.				
	• • • • • •						ing the same		ion			Sample	es requir	ing therma	l preser	vation m	ust be re	ceived o	on ice the day	they are samp	led or
l, (field sam)	pler), attest to th	e validity an	id authentici	ty of this sample. T	am aw	are that tampering with or intentionally mislabell	ing the samp	ie iocai	,			receive	ed packe	d in ice at a	an avg te	mp abo	/e 0 but	less tha	n 6°C on subse	equent days.	
date or time	e of collection is a	onsidered f	raud and ma	y be grounds for leg	gal acti	on. <u>Sampled by</u> Chad Hamilton															
Polioquich	ed by: (Signatur	(e)	Date	Time	<u> </u>	- Received by Signature	Date		Time							ab U	se On	lv			
Neiniquisit	ed by. to solution	<b>`</b>			()[	30 ATTY May Out	1.20	105	/	130	ろ	Rece	havie	on ice:				.,			
Alinewish	ed by: Signatu		Date	30/23 Time		Received by: (Signature)	Date	<u> </u>	Time,	<u></u>	<u> </u>	linect	.ivcu	on ice.	1	Y) N			in		
		X~ k		3020207	A	5 July Loon	111?	5.19	4 /	$Q_{n}$	Ĵ	T1			т2				тз `		
Relignush	ed by: (Signatu		Date	JU NO AS		Received by: (Signature)	Date	1.6	Time		<u> </u>	[			4			•			
71	) )	1 00	,	130722	11.	nmalha		172		1,2	$\langle \rangle$	AVG	Tem	n°c l	1						
		hisso			μX		Containe	TVD	1		<u>~</u>				ther a	lass v	- 104	<u></u>			
Sample Mat	rix: S - Soil, Sd - S	ond 30 days	uge, A - Aqu	leous, U - Other	nless	/ other arrangements are made. Hazardous s													for the ana	lysis of the	above
samples is	applicable only	to those s	amples rec	eived by the labo	ratorv	with this COC. The liability of the laboratory	is limited to	the a	moun	t paid	for or	n the r	report.							,	
	.,											Ø	- ,			•			•		
												((	3			6	r	) /		rn	te
									~			0	5			S					

Page 241 of 306

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	<ul> <li>Please take note of any NO checkmarks.</li> <li>e no response concerning these items within 24 hours of the concerning /li></ul>	date of this not	ice, all the	samples will be analyzed as re	equested.	
Client:	Kaiser Francis Oil Company Da	ate Received:	12/01/23	07:30	Work Order ID:	E311237
Phone:	(505) 382-1211 Da	ate Logged In:	11/30/23	14:11	Logged In By:	Jordan Montano
Email:	agiovengo@ensolum.com De	le Date:	12/01/23	5 17:00 (0 day TAT)		
Chain o	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С			
	Container		<u> </u>			
-	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	ation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	Preservation	um co d 9	NI-			
	s the COC or field labels indicate the samples were press sample(s) correctly preserved?	nveu?	No NA			
	b filteration required and/or requested for dissolved meta	ils?	NA			
			INU			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
-	s, does the COC specify which phase(s) is to be analyzed	ur	NA			
-	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			
29. Was	a subcontract laboratory specified by the client and if so	who?	NA	Subcontract Lab: NA		
Client I	Instruction					

B

Date

envirotech Inc.

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

•





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E312021

Job Number: 23078-0001

Received: 12/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/11/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/11/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E312021 Date Received: 12/5/2023 7:30:00AM

Ashley Giovengo,



Page 244 of 306

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2023 7:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

# Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW05- 0-5'	5
SW06- 0-5'	6
SW07- 0-5'	7
SW08- 0-3'	8
SW09- 0-5'	9
SW10- 0-5'	10
FS13- 3'	11
FS14- 5'	12
FS15- 5'	13
FS16- 3'	14
FS17- 3'	15
FS18- 2.5'	16
FS29- 3.5'	17
QC Summary Data	18
QC - Volatile Organics by EPA 8021B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

#### Sample Summarv

		Sample Sum	mary			
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	Bell Lake North Pa 23078-0001	id 1	Reported:	
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		12/11/23 14:05	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SW05- 0-5'	E312021-01A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
SW06- 0-5'	E312021-02A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
SW07- 0-5'	E312021-03A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
SW08- 0-3'	E312021-04A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
W09- 0-5'	E312021-05A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
W10- 0-5'	E312021-06A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
'S13-3'	E312021-07A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
'S14- 5'	E312021-08A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
°S15- 5'	E312021-09A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
'S16- 3'	E312021-10A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
S17- 3'	E312021-11A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
S18- 2.5'	E312021-12A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	
S29- 3.5'	E312021-13A	Soil	12/01/23	12/05/23	Glass Jar, 2 oz.	



	0	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230 <sup>°</sup>	Lake North Pad 78-0001 ley Giovengo	I		<b>Reported:</b> 12/11/2023 2:05:56PN
		SW05- 0-5'				
		E312021-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.6 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.1 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	g/kg Analyst: DT			Batch: 2349081
Chloride	61.1	20.0	1	12/07/23	12/08/23	



	56	ampie D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 12/11/2023 2:05:56PM
	\$	SW06- 0-5'				
		E312021-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: 4-Bromochlorobenzene-PID		96.0 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g/kg Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.1 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	mg/kg Analyst: DT			Batch: 2349081
Chloride	2700	20.0	1	12/07/23	12/08/23	



	5	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pad 78-0001 ley Giovengo	1		<b>Reported:</b> 12/11/2023 2:05:56PM
		SW07- 0-5'				
		E312021-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
urrogate: 4-Bromochlorobenzene-PID		96.1 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	kg Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.7 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		87.9 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2349081
Chloride	1710	20.0	1	12/07/23	12/08/23	



	50	ampie D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 12/11/2023 2:05:56PM
		SW08- 0-3'				
		E312021-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
p,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g/kg Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.4 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	ng/kg Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.4 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2349081
Chloride	2730	20.0	1	12/07/23	12/08/23	



	56	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 12/11/2023 2:05:56PM
		SW09- 0-5'				
		E312021-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	g Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Gurrogate: n-Nonane		90.9 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: DT		Batch: 2349081
Chloride	1200	20.0	1	12/07/23	12/08/23	



	5	ampic D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 230'	Lake North Pad 1 78-0001 ley Giovengo			<b>Reported:</b> 12/11/2023 2:05:56PM
		SW10- 0-5'				
		E312021-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
oluene	ND	0.0250	1	12/05/23	12/05/23	
-Xylene	ND	0.0250	1	12/05/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
urrogate: 4-Bromochlorobenzene-PID		95.4 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2349033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	43.3	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
'urrogate: n-Nonane		89.6 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2349081
Chloride	1600	20.0	1	12/07/23	12/08/23	


#### Sample Data

	50	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manag	er: 230'	Lake North Pa 78-0001 ley Giovengo	11		<b>Reported:</b> 12/11/2023 2:05:56PM
		FS13- 3'				
		E312021-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Foluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: 4-Bromochlorobenzene-PID		95.5 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.6 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		87.2 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2349081
Chloride	126	20.0	1	12/07/23	12/08/23	



	6	ampic D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manaş	per: 230	Lake North Pa 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 12/11/2023 2:05:56PM
		FS14- 5'				
		E312021-08				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	Batch: 2349033		
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Foluene	ND	0.0250	1	12/05/23	12/06/23	
p-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.4 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2349081
Chloride	ND	20.0	1	12/07/23	12/08/23	



	0	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Manaş	ber: 230	Lake North P 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 12/11/2023 2:05:56PM
		FS15- 5'				
		E312021-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Foluene	ND	0.0250	1	12/05/23	12/06/23	
p-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		90.9 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2349081
Chloride	392	20.0	1	12/07/23	12/08/23	



	6	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230	Lake North P 78-0001 ley Giovengo	ad 1		<b>Reported:</b> 12/11/2023 2:05:56PM
		FS16-3'				
		E312021-10				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Foluene	ND	0.0250	1	12/05/23	12/06/23	
p-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		93.0 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		90.6 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2349081
Chloride	ND	20.0	1	12/07/23	12/08/23	



#### Sample Data

	0	ample D	ala			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numl Project Mana	ber: 230		<b>Reported:</b> 12/11/2023 2:05:56PM		
		FS17- 3'				
		E312021-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	/kg Analyst: RKS			Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
p-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.3 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2349081
Chloride	111	20.0	1	12/07/23	12/08/23	



#### Sample Data

	5	ample D	ala			
Kaiser Francis Oil Company	Project Name	: Bell	Lake North Pa	d 1		
1224 Standpipe Rd	Project Numb	ber: 230	78-0001			Reported:
Carlsbad NM, 88220	Project Mana	ger: Ash	ley Giovengo			12/11/2023 2:05:56PM
		FS18- 2.5'				
		E312021-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Foluene	ND	0.0250	1	12/05/23	12/06/23	
o-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Fotal Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		90.4 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2349081
Chloride	185	20.0	1	12/07/23	12/08/23	



#### Sample Data

	5	ample D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:Bell Lake North Pad 1Project Number:23078-0001Project Manager:Ashley Giovengo					<b>Reported:</b> 12/11/2023 2:05:56PM
		FS29- 3.5'				
		E312021-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	g Analyst: RKS			Batch: 2349033
Benzene	ND	0.0250	1	12/05/23	12/06/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/06/23	
Toluene	ND	0.0250	1	12/05/23	12/06/23	
p-Xylene	ND	0.0250	1	12/05/23	12/06/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/06/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/06/23	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2349033
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/06/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	12/05/23	12/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/08/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/08/23	
Surrogate: n-Nonane		88.4 %	50-200	12/08/23	12/08/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2349081
Chloride	582	20.0	1	12/07/23	12/08/23	



## **QC Summary Data**

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ell Lake North 8078-0001 shley Gioveng					<b>Reported:</b> 12/11/2023 2:05:56PM
		Volatile O	rganics b	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349033-BLK1)							Prepared: 1	2/05/23 A	nalyzed: 12/05/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			
LCS (2349033-BS1)							Prepared: 1	2/05/23 A	analyzed: 12/05/23
Benzene	5.44	0.0250	5.00		109	70-130			
Ethylbenzene	5.40	0.0250	5.00		108	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			
Matrix Spike (2349033-MS1)				Source:	E312021-	06	Prepared: 1	2/05/23 A	analyzed: 12/05/23
Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.30	0.0250	5.00	ND	106	61-130			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			
Matrix Spike Dup (2349033-MSD1)				Source:	E312021-	06	Prepared: 1	2/05/23 A	analyzed: 12/05/23
Benzene	5.58	0.0250	5.00	ND	112	54-133	5.01	20	
Ethylbenzene	5.54	0.0250	5.00	ND	111	61-133	5.37	20	
Toluene	5.58	0.0250	5.00	ND	112	61-130	5.17	20	
o-Xylene	5.56	0.0250	5.00	ND	111	63-131	5.44	20	
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131	5.32	20	
	16.9	0.0250	15.0	ND	112	63-131	5.36	20	
Total Xylenes	16.8	0.0250	15.0	ND	112	03-131	5.50	20	



## **QC Summary Data**

		QU D	u 11111	ary Data					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	Bell Lake North 3078-0001				1	<b>Reported:</b> 2/11/2023 2:05:56PM
Carlsbad NM, 88220		Project Manager	A	Ashley Gioveng	go			1	2/11/2023 2:05:56PM
	Noi	nhalogenated (	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349033-BLK1)							Prepared: 1	2/05/23 An	alyzed: 12/05/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.8	70-130			
LCS (2349033-BS2)							Prepared: 1	2/05/23 Ar	alyzed: 12/05/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike (2349033-MS2)				Source:	E312021-	06	Prepared: 1	2/05/23 An	alyzed: 12/05/23
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			
Matrix Spike Dup (2349033-MSD2)				Source:	E312021-	06	Prepared: 1	2/05/23 An	alyzed: 12/05/23
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	3.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			



## **QC Summary Data**

		$\mathbf{x} = \mathbf{z}$	~~~~~	ury Duc					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	2	3ell Lake North 23078-0001					Reported:
Carlsbad NM, 88220		Project Manager:	Α	Ashley Gioveng	go			1	12/11/2023 2:05:56PM
	Nonha	logenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349091-BLK1)							Prepared: 1	2/08/23 A1	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			
LCS (2349091-BS1)							Prepared: 1	2/08/23 Ai	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	207	25.0	250		83.0	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike (2349091-MS1)				Source:	E312021-	03	Prepared: 1	2/08/23 Ai	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	203	25.0	250	ND	81.3	38-132			
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			
Matrix Spike Dup (2349091-MSD1)				Source:	E312021-	03	Prepared: 1	2/08/23 A1	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.6	38-132	5.17	20	
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			



#### **QC Summary Data**

		<b>C</b>		J					
Kaiser Francis Oil Company		Project Name:	E	Bell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					•
Carlsbad NM, 88220		Project Manager	: A	Ashley Gioveng	go				12/11/2023 2:05:56PM
		Anions	by EPA	300.0/90564	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349081-BLK1)							Prepared: 1	2/07/23	Analyzed: 12/08/23
Chloride	ND	20.0							
LCS (2349081-BS1)							Prepared: 1	2/07/23	Analyzed: 12/08/23
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2349081-MS1)				Source:	E312021-	02	Prepared: 1	2/07/23	Analyzed: 12/08/23
Chloride	2890	20.0	250	2700	75.4	80-120			M4
Matrix Spike Dup (2349081-MSD1)				Source:	E312021-	02	Prepared: 1	2/07/23	Analyzed: 12/08/23
Chloride	2890	20.0	250	2700	75.1	80-120	0.0234	20	M4

QC Summary Report Comment:

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



Definitions and Notes									
Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1							
1224 Standpipe Rd	Project Number:	23078-0001	Reported:						
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	12/11/23 14:05						

Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The M4 associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

Not Reported NR

RPD Relative Percent Difference

- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



roject Ir AR3193	nformation 10				Cha	in of Custo	-	31	709	1							P	age1_
	Kaiser-Franc				Bill To Attention: Hutton Andrew		Selen II		Lab	Use (		har	TAT 1D 2D 3D Sta					rogram
	Manager: As				Address: 6733 S Yale Ave		Lab WO#			1	Job Number 23078-0001			20	3D	Standard	CWA	SDWA
	: 3122 Nation				City, State: , Zip: Tulsa, OK, 74	136	LC	- 00	\$0			nd Metho	d		_			RCRA
ity, Sta	te, Zip: Carls	bad NM,	88220		Phone: (580) 307-7363		-	h			1					anne se		
	575-988-005				Email: Huttona@kfoc.net			DKO									State	
	giovengo@e lue by:	nsolum.c	com				044	DKO	021	60	0.00		WN		¥	NM CO	UT AZ	TX
Time			No. of			Lab	100	KU	by 8(	oy 82	ide 3		8			X		
ampled	Date Sampled	Matrix	Containers	Sample ID		Number		1PH GRO/DRO/DRO BY 8015	BTEX by 8021	VOC by 8260 Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
455	12/1/23	5	1	SWOJ	- 0-5'	1							X					
226	12/1/23	S	1	5006	- 0-51	2							X					
236	12/1/23	5	١	5007-	0-5'	3							X					
238	12/1/23	5	1	SWOg	- 0-3'	4							X					
241	12/1/23	5	1	SWOQ-	0-5'	5							X				_	
243	12/1/23	5	١	5010-		4							X					
40	12/1/23	5	1	F513 -		7			-				X					
507		5	1	FS14-5		Ó	_	-		_	-		X					
	12/1/23	5	1	FS15-5		9			-	_	-		X	-	-	-		
dition	1.100	5	1	F516-3	n.com, agiovengo@ensolum.com, cha	IN							X					
ield sam	pler), attest to the	e validity and	d authentici		aware that tampering with or intentionally mislabe	lling the sampl			,	Sam	ples requ	iring thermal (				eived on ice the day ss than 6 °C on subse		oled or
0	ed by: (Signatur			Time 14/23 103	Received by: (Signature)	Date 12-4-	23	lime	30	Re	ceive	d on ice:	In	p Use / N	e Onl	У		-4.5
Mic	ed by: (Signatur	Lemb	Date	-4-23 Time		Date 12.4	23	16	30	T1			<u>T2</u>		5.0.X	<u></u> <u>T3</u>		
Andre	ed by: (Signatur	So	12	.4.13 22	45 MANHON	Date 1251	23	7:	30			np°c_L				A CONTRACT OF		
te: Sam	rix: <b>S</b> - Soil, <b>Sd</b> - So ples are discard	ed 30 days	after resul	ts are reported unl	ess other arrangements are made. Hazardous ory with this COC. The liability of the laborator	Container samples will	be retu	irned t	o clie	nt or di	sposed	of at the c					inalysis of	the above
ipies is	applicable only	to those sa	ampies rece	erved by the labora	ory with this COC. The liability of the laboratol	y is innited to	o the ar	nount	paid	for on t	ne repo							
										1	2		-			vira		-

Page 265 of 306

R
Project Information
TAR319310

	Kaiser-Franc				m de	Bill To		1		Lab Us			Use Only					T	EPA P	rogram
	Bell Lake				-	ttention: Hutton Andrew						umber	1D	2D	3D	Standard	CWA	SDWA		
	Manager: As					ddress: 6733 S Yale Ave	74426		EZ	120	21	1 23078-0001						X		0.004
	3122 Natio te, Zip: Carls					ity, State: , Zip: Tulsa, Ok hone: (580) 307-7363	, 74136					nalysi	s and Metho	d	-	-	-		RCRA	
	575-988-005		00220			mail: Huttona@kfoc.net			RO by										State	
_	giovengo@e		om		-	man. nationa@kioc.net			TPH GRO/DRO/DRO by 8015 BTEX by 8021				0	WN			NM CO	UT AZ	TX	
eport d	ue by:				200				a la	4n/n	802	8260	6010	e 300			Ϋ́	X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			1.1.1	ab nber		8015	BTEX by 8021	VUC by 8260	Metals 6010	Chloride 300.0	BGDOC		GDOC		Remarks	2 rogram SDWA RCRA TX TX
5960	12/1/23	5	1	F517 - 3	3'		1								X					
0722	12/1/23	5	1	F517 - 3 F518 - 2 F524- 3	.5'		1	Contraction of the							X					
625	12/1/23	5	1	F529-3	3.5	1	1	3							X					
ddition	al Instructio	ns: Plea	se CC: cl	burton@ensolu	um.co	m, agiovengo@ensolum.com	, chamilto	n@e	nsolu	m.co	om, Hu	utto	ona@l	kfoc.net						-
				ity of this sample. I a ay be grounds for leg		re that tampering with or intentionally m n. <u>Sampled by: Chead</u>	•		e locati	on,								ceived on ice the day ess than 6 °C on subs		pled or
0	ed by: (Signatu	CITIZE CONTRACTOR	Date	14/23 Time 103	0	Received by: (Signature)	, Date	-	23	lime	30	1	Receiv	ved on ice:		ab Us	se On I	ly		
mid	ed by: (Signatur	ent	Date		30	Received by: (Signature)	Date	2.4	.13	16	30	-	T1		<u>T2</u>			<u>T3</u>	1	
alinquish	ed by: (Signatur	re)	Date	.4.23 22	45	Received by: (Signature)	Date 12	151	23	7;	30		AVG 1	emp °C	+					
	rix: S - Soil, Sd - S					<i>r</i>								istic, ag - am						
						her arrangements are made. Hazan vith this COC. The liability of the labo									lient e	xpens	e. The	e report for the	analysis of	the above

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

lient:	Kaiser Francis Oil Company Da	ate Received:	12/05/23	07:30	Work Order ID:	E312021
Phone:	(505) 382-1211 Da	ate Logged In:	12/04/23	15:18	Logged In By:	Jordan Montano
Email:		le Date:	12/12/23	17:00 (5 day TAT)		
Chain o	of Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	the number of samples per sampling site location match	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	he sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С			
	Container	<u> </u>	-			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	<u>Preservation</u>	muod9	NI-			
	s the COC or field labels indicate the samples were prese	nveu?	No NA			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	ils?	NA No			
			INU			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyze	u <i>r</i>	NA			
Subcon	tract Laboratory					
Subcon 28. Are	tract Laboratory samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA	Subcontract Lab: NA		

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



•





5796 U.S. Hwy 64 Farmington, NM 87401

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





## envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Kaiser Francis Oil Company

Project Name:

Bell Lake North Pad 1

Work Order: E312023

Job Number: 23078-0001

Received: 12/5/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/11/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Date Reported: 12/11/23

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Bell Lake North Pad 1 Workorder: E312023 Date Received: 12/5/2023 7:30:00AM

Ashley Giovengo,





Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2023 7:30:00AM, under the Project Name: Bell Lake North Pad 1.

The analytical test results summarized in this report with the Project Name: Bell Lake North Pad 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

•

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS23- 2.5'	5
FS22- 3.5'	6
FS21- 2.5'	7
FS20- 3'	8
QC Summary Data	9
QC - Volatile Organic Compounds by EPA 8260B	9
QC - Nonhalogenated Organics by EPA 8015D - GRO	10
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	11
QC - Anions by EPA 300.0/9056A	12
Definitions and Notes	13
Chain of Custody etc.	14

#### Page 271 of 306

v		Sample Sum	mary		·
Kaiser Francis Oil Company		Project Name:	Bell Lake North Pac	11	Reported:
1224 Standpipe Rd		Project Number:	23078-0001		Keporteu.
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		12/11/23 11:22
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS23- 2.5'	E312023-01A	Soil	11/30/23	12/05/23	Glass Jar, 2 oz.
FS22- 3.5'	E312023-02A	Soil	11/30/23	12/05/23	Glass Jar, 2 oz.
FS21- 2.5'	E312023-03A	Soil	11/30/23	12/05/23	Glass Jar, 2 oz.
FS20- 3'	E312023-04A	Soil	11/30/23	12/05/23	Glass Jar, 2 oz.



		imple D				
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230	Lake North 78-0001 ley Giovengo			<b>Reported:</b> 12/11/2023 11:22:06AM
· · · · · · · · · · · · · · · · · · ·		FS23- 2.5'	, ,			
		F 525- 2.5 E312023-01				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2349053
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
p-Xylene	ND	0.0250	1	12/05/23	12/05/23	
o,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/05/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	12/05/23	12/05/23	
Surrogate: Toluene-d8		99.0 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: RKS		Batch: 2349053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: Bromofluorobenzene		107 %	70-130	12/05/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	12/05/23	12/05/23	
Surrogate: Toluene-d8		99.0 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/09/23	
Surrogate: n-Nonane		89.2 %	50-200	12/08/23	12/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: DT		Batch: 2349093
Chloride	1040	20.0	1	12/08/23	12/08/23	



#### Sample Data

	D	ample D					
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 230'	Lake North 78-0001 ley Gioveng				<b>Reported:</b> 12/11/2023 11:22:06AM
	•						
		FS22- 3.5' E312023-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion Prep	ared A	nalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2349053
Benzene	ND	0.0250	1	12/0	5/23 1	2/05/23	
Ethylbenzene	ND	0.0250	1	12/0	5/23 1	2/05/23	
Toluene	ND	0.0250	1	12/0	5/23 1	2/05/23	
o-Xylene	ND	0.0250	1	12/0	5/23 1	2/05/23	
p,m-Xylene	ND	0.0500	1	12/0	5/23 1	2/05/23	
Total Xylenes	ND	0.0250	1	12/0	5/23 1	2/05/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/0.	5/23 1	2/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	12/0.	5/23 1	2/05/23	
Surrogate: Toluene-d8		100 %	70-130	12/0.	5/23 1	2/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2349053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/0	5/23 1	2/05/23	
Surrogate: Bromofluorobenzene		105 %	70-130	12/0.	5/23 1	2/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	12/0.	5/23 1	2/05/23	
Surrogate: Toluene-d8		100 %	70-130	12/0.	5/23 1	2/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM			Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/0	8/23 1	2/09/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/0	8/23 1	2/09/23	
Surrogate: n-Nonane		89.7 %	50-200	12/0	8/23 1	2/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2349093
Chloride	ND	20.0	1	12/0	8/23 1	2/08/23	



#### Sample Data

	D.	ample D	ata			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North 78-0001 ley Gioveng			<b>Reported:</b> 12/11/2023 11:22:06AM
		FS21- 2.5'				
		E312023-03				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2349053
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/05/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	12/05/23	12/05/23	
Surrogate: Toluene-d8		99.6 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2349053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
'urrogate: Bromofluorobenzene		106 %	70-130	12/05/23	12/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	12/05/23	12/05/23	
urrogate: Toluene-d8		99.6 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/09/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/09/23	
urrogate: n-Nonane		85.7 %	50-200	12/08/23	12/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: DT		Batch: 2349093
Chloride	86.4	20.0	1	12/08/23	12/08/23	



#### Sample Data

		ample D	uu			
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 230'	Lake North 78-0001 ley Gioveng			<b>Reported:</b> 12/11/2023 11:22:06AM
		FS20- 3'				
		E312023-04				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2349053
Benzene	ND	0.0250	1	12/05/23	12/05/23	
Ethylbenzene	ND	0.0250	1	12/05/23	12/05/23	
Toluene	ND	0.0250	1	12/05/23	12/05/23	
o-Xylene	ND	0.0250	1	12/05/23	12/05/23	
,m-Xylene	ND	0.0500	1	12/05/23	12/05/23	
Total Xylenes	ND	0.0250	1	12/05/23	12/05/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/05/23	12/05/23	
urrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	12/05/23	12/05/23	
urrogate: Toluene-d8		101 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2349053
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/23	12/05/23	
Surrogate: Bromofluorobenzene		106 %	70-130	12/05/23	12/05/23	
urrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	12/05/23	12/05/23	
urrogate: Toluene-d8		101 %	70-130	12/05/23	12/05/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM		Batch: 2349091
Diesel Range Organics (C10-C28)	ND	25.0	1	12/08/23	12/09/23	
Dil Range Organics (C28-C36)	ND	50.0	1	12/08/23	12/09/23	
urrogate: n-Nonane		87.7 %	50-200	12/08/23	12/09/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: DT		Batch: 2349093
Chloride	29.4	20.0	1	12/08/23	12/08/23	



### **QC Summary Data**

		QC DI		ITY Dat							
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	23	ell Lake Nortl 078-0001 shley Giovens				12/	<b>Reported:</b> 11/2023 11:22:06AM		
Carisbau INNI, 88220					-			12,11,2023 11,22.001 11			
		Volatile Organic	Compo	unds by El	PA 82601	B	Analyst:				
Analyte		Reporting	Spike	Source		Rec		RPD			
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2349053-BLK1)							Prepared: 1	2/05/23 Ana	lyzed: 12/05/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.7	70-130					
surrogate: 1,2-Dichioroethane-a4 Surrogate: Toluene-d8	0.434		0.500		101	70-130					
-	0.000										
LCS (2349053-BS1)	2.41		2.50		104	= 120	Prepared: 1	2/05/23 Ana	lyzed: 12/05/23		
Benzene	2.61	0.0250	2.50		104	70-130					
Ethylbenzene	2.68	0.0250	2.50		107	70-130					
Toluene	2.55	0.0250	2.50		102	70-130					
o-Xylene	2.79	0.0250	2.50		112	70-130					
p,m-Xylene	5.43	0.0500	5.00		109	70-130					
Total Xylenes	8.22	0.0250	7.50		110	70-130					
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130					
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130					
Matrix Spike (2349053-MS1)				Source:	E312015-	06	Prepared: 1	2/05/23 Ana	lyzed: 12/05/23		
Benzene	2.66	0.0250	2.50	ND	106	48-131					
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135					
Toluene	2.57	0.0250	2.50	ND	103	48-130					
o-Xylene	2.74	0.0250	2.50	ND	110	43-135					
p,m-Xylene	5.31	0.0500	5.00	ND	106	43-135					
Total Xylenes	8.05	0.0250	7.50	ND	107	43-135					
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.434		0.500		86.7	70-130					
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130					
Matrix Spike Dup (2349053-MSD1)				Source:	E312015-	06	Prepared: 1	2/05/23 Ana	lyzed: 12/05/23		
Benzene	2.63	0.0250	2.50	ND	105	48-131	1.17	23			
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	0.500	27			
Toluene	2.55	0.0250	2.50	ND	102	48-130	0.645	24			
o-Xylene	2.82	0.0250	2.50	ND	113	43-135	2.88	27			
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135	3.55	27			
Total Xylenes	8.32	0.0250	7.50	ND	111	43-135	3.32	27			
Surrogate: Bromofluorobenzene	0.561		0.500		112	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130					
-					101	70-130					
Surrogate: Toluene-d8	0.504		0.500		101	/()-/5()					



## **QC Summary Data**

				ary Date					
Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	2	Bell Lake North Pad 1 23078-0001 Ashley Giovengo					<b>Reported:</b> 12/11/2023 11:22:06AM
	No	onhalogenated O	rganics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349053-BLK1)							Prepared: 1	2/05/23	Analyzed: 12/05/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.7	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2349053-BS2)							Prepared: 1	2/05/23	Analyzed: 12/05/23
Gasoline Range Organics (C6-C10)	59.6	20.0	50.0		119	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			
Matrix Spike (2349053-MS2)				Source:	E312015-	06	Prepared: 1	2/05/23	Analyzed: 12/05/23
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Matrix Spike Dup (2349053-MSD2)				Source:	E312015-	06	Prepared: 1	2/05/23	Analyzed: 12/06/23
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130	0.792	20	
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			

## **QC Summary Data**

		$\chi \sim \sim$	•••••	ary Dat					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:	_	Bell Lake North 23078-0001	Pad 1				Reported:
Carlsbad NM, 88220		Project Manager:		Ashley Gioveng	go			1	12/11/2023 11:22:06AM
	Nonh	alogenated Org	anics by	y EPA 8015I	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349091-BLK1)							Prepared: 1	2/08/23 A	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			
LCS (2349091-BS1)							Prepared: 1	2/08/23 A	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	207	25.0	250		83.0	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			
Matrix Spike (2349091-MS1)				Source:	E312021-	03	Prepared: 1	2/08/23 A	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	203	25.0	250	ND	81.3	38-132			
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			
Matrix Spike Dup (2349091-MSD1)				Source:	E312021-	03	Prepared: 1	2/08/23 A	nalyzed: 12/08/23
Diesel Range Organics (C10-C28)	214	25.0	250	ND	85.6	38-132	5.17	20	
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			



## **QC Summary Data**

		L L		v					
Kaiser Francis Oil Company		Project Name:	В	ell Lake North	n Pad 1				Reported:
1224 Standpipe Rd		Project Number:	2	3078-0001					
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	go				12/11/2023 11:22:06A
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2349093-BLK1)							Prepared:	12/08/23	Analyzed: 12/08/23
Chloride	ND	20.0							
LCS (2349093-BS1)							Prepared:	12/08/23	Analyzed: 12/08/23
Chloride	248	20.0	250		99.0	90-110			
Matrix Spike (2349093-MS1)				Source:	E312023-(	02	Prepared:	12/08/23	Analyzed: 12/08/23
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2349093-MSD1)				Source:	E312023-	02	Prepared:	12/08/23	Analyzed: 12/08/23
Chloride	254	20.0	250	ND	102	80-120	0.660	20	

QC Summary Report Comment:

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



Kaiser Francis Oil Company	Project Name:	Bell Lake North Pad 1	
1224 Standpipe Rd	Project Number:	23078-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	12/11/23 11:22

ND Analyte NOT DETECTED at or above	the reporting limit
-------------------------------------	---------------------

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Project Information	1
TAR319310	

Client: Kaiser-Francis Oil Company Bill To						Lab Use Only										TA	748 million - Constanting - Co		EPA Program				
	Bell Lake				12	Attention: Hutton Andrew			-	Lab	WO#	00	-		Numb		1D	2D	3D	Standa	rd	CWA	SDWA
	Aanager: As					Address	: 6733 S Yale Ave ate: , Zip: Tulsa, C	7/13	26	E	312	102	5	Analy	N U	d Metho				X	- le r		RCRA
	3122 Natio e, Zip: Carls						(580) 307-7363	JK, 741.	50	-	2		-í	Analy.	515 011	u Metho				11	-		NCNA
	575-988-005		UULLU		R. 64		luttona@kfoc.net		1		DRO I									and the second		State	
	giovengo@e		om								RO/O	21	0	0	0.0		WN		TX	NM	COL	JT AZ	TX
Report d	ue by:				1.1	henri					RO/D	oy 80	y 826	s 601	de 30					X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		R	emarks	
0408	11/30/23	5	١	FS2	3 - 2.	5'	*		1								X						
1030	11/30/23	5	(	F52	2 - 3.	5'			2								X						
0404	11/30/23	5	1	F52	3 - 2. 2 - 3. 1 - 2.1	51			3								X						
1200	11/30/23	5	1	FS2	0-31				4								X						
		)													-								
					39 - AP					-									-	-			
										-		_				-				-			
				-		_				-	-		_		-	_			-				
													_							_			
						,									_	_	_			-		_	
									a hanga														
Addition	al Instructio	ns: Plea	ase CC: c	burton@ei	nsolum.c	om, agio	ovengo@ensolum.co	m, chan	nilton@e	ensol	um.c	om, I	Hutto	ona@	kfoc	.net							
	oler), attest to th						mpering with or intentionally Sampled by: Chao	mislabellir   Hamil	ng the samp	ole loca	tion,									eived on ice th ss than 6 °C on			ed or
	ed by: (Signatu		Date		Гіте	Rece	eived by: (Signature)	1	Date	2	Time	26							e Onl	y and			
Relinquich	ed by: (Signatu	re)	Date	14/23	1030 Time		Willie (Signature)	y	Date	~	Time	~~	-	кесе	lved	on ice:	C	)/ N					
mid	ili ta	ngle	12	4-13	1630	> . /	horea usso		12.4	423	Time	63	0	<u>T1</u>			<u>T2</u>			<u></u> <u>T3</u>			
Relinquish	ed by: (Signatu	re)	Date 12				ejved by: (Signature)		Date 12/5	123	7	:20	-		Tem		4						
	rix: S - Soil, Sd - S	iolid, Sg - Slu		ueous, O - Othe	er	1			Containe														
	ples are discard	led 30 days	after resu	Its are report	ed unless	other arra	ngements are made. Haz COC. The liability of the la	ardous sa	amples will	l be re	turned	to cli	ient o	r dispo	osed o	f at the cli	ent ex	pense	. The		the ana	lysis of th	ne above

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Kaiser Francis Oil Company Da	te Received:	12/05/23	07:30	Work Order ID:	E312023
Phone:	(505) 382-1211 Da	te Logged In:	12/05/23		Logged In By:	Jordan Montano
Email:		e Date:		17:00 (5 day TAT)		
Chain a	f Custody (COC)					
	<u>f Custody (COC)</u>		Yes			
	the sample ID match the COC? the number of samples per sampling site location match t	he COC				
	samples dropped off by client or carrier?		Yes Yes	a : a :		
	he COC complete, i.e., signatures, dates/times, requested	analyces?	Yes	Carrier: Courier		
	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	•					
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec		Yes			
12 Ifno	minutes of sampling visible ice, record the temperature. Actual sample tem	maratura: 1º	C			
		iperature. <u>+</u>	<u>c</u>			
	Container aqueous VOC samples present?		NI-			
	VOC samples collected in VOA Vials?		No NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La			103			
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
-	Preservation	10				
	s the COC or field labels indicate the samples were preserved	rved?	No			
	sample(s) correctly preserved?	1-9	NA N-			
	b filteration required and/or requested for dissolved meta	15 /	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?	10	No			
27. If ye	s, does the COC specify which phase(s) is to be analyzed	17	NA			
Subcont	tract Laboratory					
	samples required to get sent to a subcontract laboratory?		No			



envirotech Inc.

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

•



## APPENDIX F

**NMOCD** Notifications

From:	Rodgers, Scott, EMNRD
То:	<u>Ashley Giovengo; spills@slo.state.nm.us; Hutton Andrew; Velez, Nelson, EMNRD; Wells, Shelly, EMNRD;</u> Bratcher, Michael, EMNRD
Cc:	<u>Cole Burton; Chad Hamilton; Ethan Haft</u>
Subject:	RE: [EXTERNAL] 48-hour Liner Inspection Notification - Kaiser Francis Oil Company - Bell Lake North 1 - Incident Number nAPP2326452170
Date:	Friday, October 20, 2023 10:14:40 AM
Attachments:	image006.png image007.png image008.png image009.png

#### [ \*\*EXTERNAL EMAIL\*\*]

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

Scott Rodgers • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113 505.469.1830 | <u>scott.rodgers@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd\_



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Friday, October 20, 2023 10:09 AM

**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us; Hutton Andrew <Huttona@kfoc.net>

**Cc:** Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>

**Subject:** [EXTERNAL] 48-hour Liner Inspection Notification - Kaiser Francis Oil Company - Bell Lake North 1 - Incident Number nAPP2326452170

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

Hello,

We intend to perform a liner integrity inspection at Kaiser Francis Oil Company's Bell Lake North 1 site (*nAPP2326452170*) on Tuesday, October 24, 2023, at 09:30 am MST.

Please let us know if you plan to be onsite to oversee the inspection.

Thanks,



From:	SLO Spills
To:	Ashley Giovengo
Subject:	RE: 48-hour Confirmation Sampling notification Email - Bell Lake North 1 - Incident Number nAPP2326452170
Date:	Thursday, October 19, 2023 8:34:30 AM
Attachments:	image009.png
	image010.png
	image011.png
	image012.png

#### [ \*\*EXTERNAL EMAIL\*\*]

Thank you for the notification. Please submit the closure report to <u>eco@slo.state.nm.us</u>.

**Environmental Compliance Office** Surface Resources Division eco@slo.state.nm.us <u>nmstatelands.org</u>

.....

**CONFIDENTIALITY NOTICE** - This e-mail transmission, including all documents, files, or previous e-mail messages attached hereto, may contain confidential and/or legally privileged information. If you are not the intended recipient, or a person responsible for delivering it to the intended recipient, you are hereby notified that you must not read this transmission and that any disclosure, copying, printing, distribution, or use of any of the information contained in and/or attached to this transmission is STRICTLY PROHIBITED. If you have received this transmission in error, please immediately notify the sender and delete the original transmission and its attachments without reading or saving in any manner. Thank you.

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, October 17, 2023 11:55 AM
To: Enviro, OCD, EMNRD <ocd.enviro@emnrd.nm.gov>; SLO Spills <spills@slo.state.nm.us>
Cc: Hutton Andrew <Huttona@kfoc.net>; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] 48-hour Confirmation Sampling notification Email - Bell Lake North 1 - Incident Number nAPP2326452170

Hello,

We intend to collect confirmation samples at Kaiser Francis Oil Company's, Bell Lake North 1 site (Incident Number *nAPP2326452170*) beginning on Friday, October 20, 2023, at 09:00 am MST through Tuesday, October 24, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



# Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC

From: To:	<u>Velez, Nelson, EMNRD</u> Ashley Giovengo
Cc:	Hutton Andrew; Cole Burton; Bratcher, Michael, EMNRD
Subject:	Re: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 - incident Number nAPP2326452170
Date:	Wednesday, November 1, 2023 10:34:59 AM
Attachments:	image001.png image002.png image003.png image004.png Outlook-hh4hddf4.png

You don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

#### [ \*\*EXTERNAL EMAIL\*\*]

Good morning Ashley,

Your variance request for a five (5) point composite sample not to exceed 400 square feet for the excavation floor/base and 200 square feet for the sidewalls have been approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, November 1, 2023 8:46 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 -
incident Number nAPP2326452170

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, November 1, 2023 8:36 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: Hutton Andrew <Huttona@kfoc.net>; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 - incident
Number nAPP2326452170

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

Hello,

Kaiser-Francis Oil Company (KFOC) is requesting a confirmation sampling variance at the Bell Lake North 1 (Incident Number nAPP2326452170). On September 20, 2023, equipment failure resulted in a tank battery fire and approximately 33 barrels (bbls) of produced water was leaked from the secondary containment and ran along the high-pressure flare line on-pad. The impacted area beneath the tank battery containment measures approximately 8,806 square feet (sq. ft.) and the impacted area outside of containment measures approximately 11,086 sq. ft; the entirety of the release remained on-pad. A desktop review for potential site receptors and delineation soil sampling to the strictest Closure Criteria have been completed for this release. According to the desktop review, the closest permitted groundwater well with depth to ground water data is New Mexico Office of the State Engineer (NMOSE) well, CP 00872 POD1 with a depth to groundwater measurement of 305 ft below ground surface (bgs). The well is located 2.01 miles northwest of the site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Laboratory analytical results from delineation soil samples indicated that there are chloride impacts at depths greater than 2-foot bgs inside containment, however laboratory analytical results indicated that impacts do not extend below 1-foot in the release area outside of containment. KFOC intends to remediate soils that are not directly beneath production equipment in accordance with the strictest Closure Criteria per NMOCD Table 1. Due to the size of the impacted areas (8806 sq. ft) and (11,086 sq. ft), KFOC would like to request a sampling variance of every 400 sq. ft. on confirmation floor samples and every 200 feet on confirmation sidewall samples. KFOC believes this *variance request* will provide equal or better protection of public health, the environment, and groundwater and respectfully requests approval for Incident Number (nAPP2326452170).

Thanks,

Ashley Giovengo Senior Engineer 575-988-0055



### **Ronni Hayes**

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, November 7, 2023 1:15 PM
То:	Ronni Hayes
Cc:	Ashley Giovengo; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] 48-hour Confirmation Sampling Notification Email-Bell Lake North Pad 1- nAPP2326452170

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

### [ \*\*EXTERNAL EMAIL\*\*]

Hi Ronni,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

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

From: Ronni Hayes <rhayes@ensolum.com>
Sent: Tuesday, November 7, 2023 12:18 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] 48-hour Confirmation Sampling Notification Email-Bell Lake North Pad 1-nAPP2326452170

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

Hello,

We intend to collect confirmation samples at Kaiser-Francis Oil Company's, Bell Lake North Pad 1 site (Incident Number

*nAPP2326452170*) beginning on Thursday, October 9, 2023, at 09:00 am MST through Friday, October 10, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

•

Thanks,



### Kaoru Shimada

From: Sent:	Ashley Giovengo Monday, October 30, 2023 12:11 PM
То:	Kaoru Shimada
Subject:	FW: [EXTERNAL] 48-hour Confirmation Sampling notification Email - Bell Lake North 1 - Incident Number nAPP2326452170



Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC in f

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, October 30, 2023 11:03 AM
To: Ashley Giovengo <agiovengo@ensolum.com>; spills@slo.state.nm.us
Cc: Hutton Andrew <Huttona@kfoc.net>; Cole Burton <cburton@ensolum.com>; Velez, Nelson, EMNRD
<Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] 48-hour Confirmation Sampling notification Email - Bell Lake North 1 - Incident Number nAPP2326452170

### [ \*\*EXTERNAL EMAIL\*\*]

Hi Ashley,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

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

From: Ashley Giovengo <<u>agiovengo@ensolum.com</u>> Sent: Monday, October 30, 2023 10:49 AM To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>; spills@slo.state.nm.us
 Cc: Hutton Andrew <<u>Huttona@kfoc.net</u>>; Cole Burton <<u>cburton@ensolum.com</u>>
 Subject: [EXTERNAL] 48-hour Confirmation Sampling notification Email - Bell Lake North 1 - Incident Number nAPP2326452170

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

Hello,

We intend to collect confirmation samples at Kaiser Francis Oil Company's, Bell Lake North 1 site (Incident Number *nAPP2326452170*) beginning on Wednesday, November 01, 2023, at 09:00 am MST through Friday, November 03, 2023.

Please let us know if you plan to be onsite to oversee the sampling.

Thanks,



From:	Wells, Shelly, EMNRD
То:	Ashley Giovengo; spills@slo.state.nm.us
Cc:	Hutton Andrew; Cole Burton; Chad Hamilton; Ethan Haft; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] RE: 48-hour Confirmation Sampling Notification Email - Kaiser Francis Oil Company - Bell Lake North 1 - Incident Number nAPP2326452170
Date:	Tuesday, November 28, 2023 1:35:43 PM
Attachments:	image001.png image002.png image003.png image004.png

### [ \*\*EXTERNAL EMAIL\*\*]

Hi Ashley,

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

Thank you,

Shelly

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

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Tuesday, November 28, 2023 1:04 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: Hutton Andrew <Huttona@kfoc.net>; Cole Burton <cburton@ensolum.com>; Chad Hamilton
<chamilton@ensolum.com>; Ethan Haft <ehaft@ensolum.com>
Subject: [EXTERNAL] RE: 48-hour Confirmation Sampling Notification Email - Kaiser Francis Oil
Company - Bell Lake North 1 - Incident Number nAPP2326452170

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

My apologies Friday December 1, 2023, is the correct date.

Thanks,

Ashley Giovengo Senior Engineer 575-988-0055



From: Ashley Giovengo
Sent: Tuesday, November 28, 2023 1:02 PM
To: Enviro, OCD, EMNRD <<u>ocd.enviro@emnrd.nm.gov</u>>; spills@slo.state.nm.us
Cc: Hutton Andrew <<u>Huttona@kfoc.net</u>>; Cole Burton <<u>cburton@ensolum.com</u>>; Chad Hamilton
<<u>chamilton@ensolum.com</u>>; Ethan Haft <<u>ehaft@ensolum.com</u>>
Subject: 48-hour Confirmation Sampling Notification Email - Kaiser Francis Oil Company - Bell Lake
North 1 - Incident Number nAPP2326452170

Hello,

We intend to collect confirmation samples at Kaiser Francis Oil Company's Bell Lake North 1 site (Incident Number *nAPP2326452170*) beginning on Friday, November 30, 2023, at 08:00 am MST. Please let us know if you will be onsite to oversee the sampling event.

Thanks,



Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC in f

From:	Velez, Nelson, EMNRD
То:	Ashley Giovengo
Cc:	Hutton Andrew; Cole Burton; Bratcher, Michael, EMNRD
Subject:	Re: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 - incident Number nAPP2326452170
Date:	Wednesday, November 1, 2023 10:34:59 AM
Attachments:	image001.png image002.png image003.png image004.png Outlook-hh4hddf4.png

You don't often get email from nelson.velez@emnrd.nm.gov. Learn why this is important

### [ \*\*EXTERNAL EMAIL\*\*]

Good morning Ashley,

Your variance request for a five (5) point composite sample not to exceed 400 square feet for the excavation floor/base and 200 square feet for the sidewalls have been approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, November 1, 2023 8:46 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 -

incident Number nAPP2326452170

From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Wednesday, November 1, 2023 8:36 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us
Cc: Hutton Andrew <Huttona@kfoc.net>; Cole Burton <cburton@ensolum.com>
Subject: [EXTERNAL] Kaiser-Francis - Confirmation Sampling Variance - Bell Lake North 1 - incident
Number nAPP2326452170

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

Hello,

Kaiser-Francis Oil Company (KFOC) is requesting a confirmation sampling variance at the Bell Lake North 1 (Incident Number nAPP2326452170). On September 20, 2023, equipment failure resulted in a tank battery fire and approximately 33 barrels (bbls) of produced water was leaked from the secondary containment and ran along the high-pressure flare line on-pad. The impacted area beneath the tank battery containment measures approximately 8,806 square feet (sq. ft.) and the impacted area outside of containment measures approximately 11,086 sq. ft; the entirety of the release remained on-pad. A desktop review for potential site receptors and delineation soil sampling to the strictest Closure Criteria have been completed for this release. According to the desktop review, the closest permitted groundwater well with depth to ground water data is New Mexico Office of the State Engineer (NMOSE) well, CP 00872 POD1 with a depth to groundwater measurement of 305 ft below ground surface (bgs). The well is located 2.01 miles northwest of the site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area).

Laboratory analytical results from delineation soil samples indicated that there are chloride impacts at depths greater than 2-foot bgs inside containment, however laboratory analytical results indicated that impacts do not extend below 1-foot in the release area outside of containment. KFOC intends to remediate soils that are not directly beneath production equipment in accordance with the strictest Closure Criteria per NMOCD Table 1. Due to the size of the impacted areas (8806 sq. ft) and (11,086 sq. ft), KFOC would like to request a sampling variance of every 400 sq. ft. on confirmation floor samples and every 200 feet on confirmation sidewall samples. KFOC believes this *variance request* will provide equal or better protection of public health, the environment, and groundwater and respectfully requests approval for Incident Number (nAPP2326452170).

Thanks,

Ashley Giovengo Senior Engineer 575-988-0055



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

Page 300 of 306

QUESTIONS

Action 339429

Operator: OGRID: KAISER-FRANCIS OIL CO 12361 PO Box 21468 Action Number Tulsa, OK 74121146 339429 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2326452170
Incident Name	NAPP2326452170 BELL LAKE NORTH 1 @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2205355768] BLUN PAD 1

### Location of Release Source

Please answer all the questions in this group.	
Site Name	BELL LAKE NORTH 1
Date Release Discovered	09/20/2023
Surface Owner	State

### Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	Yes
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Tank (Any)   Produced Water   Released: 32 BBL   Recovered: 0 BBL   Lost: 32 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

Page 301 of 306 QUESTIONS, Page 2

Action 339429

**QUESTIONS** (continued)

Operator:	OGRID:
KAISER-FRANCIS OIL CO	12361
PO Box 21468	Action Number:
Tulsa, OK 74121146	339429
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.

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 s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Hutton Andrew Email: huttona@kfoc.net

Date: 05/01/2024

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

**QUESTIONS** (continued)

Operator:	OGRID:
KAISER-FRANCIS OIL CO	12361
PO Box 21468	Action Number:
Tulsa, OK 74121146	339429
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### 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 Between 100 and 500 (ft.)

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	Between ½ and 1 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Greater than 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Νο	

#### **Remediation Plan**

Please answer all the questions	that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	n plan approval with this submission	Yes
Attach a comprehensive report o	lemonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertic	cal extents of contamination been fully delineated	Yes
Was this release entirely	contained within a lined containment area	No
Soil Contamination Samplin	g: (Provide the highest observable value for each, in m	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	10000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	99
GRO+DRO	(EPA SW-846 Method 8015M)	37
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date v	vill the remediation commence	10/26/2023
On what date will (or did)	the final sampling or liner inspection occur	12/01/2023
On what date will (or was	) the remediation complete(d)	12/01/2023
What is the estimated sur	face area (in square feet) that will be reclaimed	2957
What is the estimated vol	ume (in cubic yards) that will be reclaimed	329
What is the estimated sur	face area (in square feet) that will be remediated	13193
What is the estimated vol	ume (in cubic yards) that will be remediated	982
These estimated dates and meas	surements are recognized to be the best guess or calculation at th	ne time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that propos	sed remediation measures may have to be minimally adjusted in a	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

QUESTIONS, Page 3

Action 339429

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

QUESTIONS, Page 4

Page 303 of 306

Action 339429

**QUESTIONS** (continued) Operator: OGRID: KAISER-FRANCIS OIL CO 12361 PO Box 21468 Action Number Tulsa, OK 74121146 339429 Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the	
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	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	snowledge and understand that pursuant to OCD rules and regulations all operators are required uses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Hutton Andrew Email: huttona@kfoc.net Date: 05/01/2024

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.

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

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

QUESTIONS, Page 5

Action 339429

Page 304 of 306

**QUESTIONS** (continued)

Operator:	OGRID:
KAISER-FRANCIS OIL CO	12361
PO Box 21468	Action Number:
Tulsa, OK 74121146	339429
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### 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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Production tanks and electrical panels.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2957
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	329
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	BLUN PAD 1 [fAPP2205355768]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation.	orts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	nowledge and understand that pursuant to OCD rules and regulations all operators are required ses which may endanger public health or the environment. The acceptance of a C-141 report by dequately investigate and remediate contamination that pose a threat to groundwater, surface does not relieve the operator of responsibility for compliance with any other federal, state, or

I hereby agree and sign off to the above statement	Name: Hutton Andrew Email: huttona@kfoc.net Date: 05/01/2024
--	--

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

QUESTIONS, Page 6

Action 339429

Page 305 of 306

**QUESTIONS** (continued)

Operator:	OGRID:
KAISER-FRANCIS OIL CO	12361
PO Box 21468	Action Number:
Tulsa, OK 74121146	339429
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

E

Sampling Event Information	
Last sampling notification (C-141N) recorded	295659
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/20/2023
What was the (estimated) number of samples that were to be gathered	61
What was the sampling surface area in square feet	19892

#### Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed. Requesting a remediation closure approval with this submission No

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

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

District III

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

District IV

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

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

CONDITIONS

Operator: 0	OGRID:
KAISER-FRANCIS OIL CO	12361
PO Box 21468	Action Number:
Tulsa, OK 74121146	339429
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	5/20/2024

Page 306 of 306

Action 339429