



CLOSURE REQUEST

KAISER-FRANCIS OIL COMPANY

Created for submission to New Mexico Oil Conservation Division on 06/09/2022

ASHLEY GIOVENGO
Environmental Manager - Permian

ENERGIZING AMERICA

June 09, 2022

Chad Hensley, Bradford Billings, Robert Hamlet, Jennifer Nobui, and/or Nelson Velez

State of New Mexico
Energy, Minerals, and Natural Resources
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: CLOSURE REQUEST

COMPANY	Kaiser-Francis Oil Company
LOCATION	North Bell Lake Unit 4 #15 SWD
API	30-025-24771
PLSS	Unit K Sec 08 T23S R34E
GPS	32.3173599, 103.4942551
INCIDENT ID	nAPP2200646019

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Kaiser-Francis Oil Company, hereafter referred to as KFOC, regarding the release at the North Bell Lake Unit 4 #15 SWD (Site) located in Unit K, Section 08, Township 23 South and Range 34 East in Lea County, New Mexico. The GPS coordinates are as follows: North 32.3173599 and West -103.4942551. Surface owner of the Site is Limestone Basin Properties. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 1 Hobbs.

On January 5, 2022, freezing temperatures over a two-day period caused a four-inch brass ball valve on the load line to separate at the threaded portion. This failure resulted in the release of 29 barrels (bbls) of produced water onto the caliche pad and onto a small, off-pad area on the North side of the Site. KFOC immediately isolated the source of the leak and constructed berms surrounding the spill area. Approximately 15 bbls of produced water was recovered. The spill area is located on the Northwest and South side of the containment as shown in Figure 1.

Correspondence with NMOCD concerning depth to water (DTW) at the Site began on January 10, 2022. Chad Hensley of the NMOCD approved the use of water well, CP-1886-POD1 DTW for the Site. Water measurement well CP-1886-POD1 which is associated with incident number nAPP2107043534 (see Attachment F), has a DTW of greater than 110 ft below ground surface (bgs) and is located 0.68 miles West of the Site.



Horizontal and vertical delineation sampling was conducted on January 11, 2022. Wescom personnel returned to the Site on March 04, and March 07, 2022, to perform remedial action of the on-pad spill area and to collect confirmation samples. On March 29, 2022, Wescom personnel returned to the Site to re-scrape confirmation areas CONF28, CONF30 and CONF32, and to collect confirmation samples CONF28A, CONF30A and CONF32B. CONF37 and CONF38 were collected from the off-pad spill area located on the North side of the Site. The off-pad spill area was remediated in accordance with the reclamation standard for off-pad spill areas per 19.15.29.13 NMAC.

SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is greater than 110 feet below ground surface (bgs) and is 0.68 miles West of the Site. No playas or lakes are located within a one-mile radius of this Site (Attachment C). This depth to water determination has been approved by NMOCD as per email from Chad Hensley, NMOCD to Aaron Daniels, KFOC on February 07, 2022 (Attachment F).

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within low karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. The applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX) and 2500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). Characterization of the vertical and horizontal extent of chloride concentration in the soil to a level of 20000 mg/kg (ppm) is also required.



Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
North Bell Lake Unit 4 #15 SWD — 32.3173599, -103.4942551						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride - numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
less than 50 ft bgs		600	100		50	10
51 ft to 100 ft bgs		10000	2500	1000	50	10
greater than 100 ft bgs	>110	20000	2500	1000	50	10
Surface Water		If yes, then				
< 300 feet from continuously flowing watercourse or other significant watercourse?	No					
< 200 feet from lakebed, sinkhole or playa lake	No					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
< 100 feet from wetland?	No					
Within area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100-year floodplan?	No					

Table: Closure Criteria Statistics

SITE ASSESSMENT AND DELINEATION

On March 8, 2022, KFOC contracted Wescom to conduct on-site delineation activities and to determine the horizontal and vertical extent of the spill area. A background sample, BG03, was collected 50 feet to the south of the caliche pad, as shown in Figure 1. A total of seven samples were jarred and sent to Envirotech, Inc, for laboratory analysis and all samples were below the applicable RRALs for the Site. Delineation sample locations are presented in Figure 1; laboratory analysis results are presented in Table 1 and laboratory analytical reports are included in Attachment E.

REMEDIATION ACTIVITIES

Beginning on March 04, 2022, Wescom personnel arrived on-site to oversee the removal of impacted soils and to perform confirmation sampling. A backhoe was used to remove approximately 5 cubic yards of contaminated soil from the spill area. The off-pad spill area was remediated when Wescom personnel completed the excavation associated with incident number nAPP2116429491. A total of 38 composite confirmation samples were collected over the two-day sampling and excavation period. All the confirmation samples except CONF28, CONF30 and CONF32, were below the applicable RRALs for the Site (see Table 2).

Wescom personnel returned to the Site on March 29, 2022, to perform a surface scrape and re-sample CONF28, CONF30 and CONF32. A backhoe was utilized to remove approximately ten cubic yards of contaminated soil from the area prior to sampling. CONF28A, CONF30A and CONF32B were below the applicable RRALs for the Site on March 29, 2022 (see Table 2). All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, –Method 8015D, BTEX–Method 8021B, and Chlorides–Method 300.0. Confirmation sample locations are presented in Figure 2; laboratory analysis results are presented in Table 2 and laboratory analytical reports are included in Attachment E. Impacted material was disposed of at an approved disposal facility.

The required 48-hour confirmation sampling notifications were sent on March 04, 2022, and on March 24, 2022, to Chad Hensley, Bradford Billings, Mike Bratcher, Robert Hamlet, Jennifer Nobui, and Nelson Velez, with the NMOCD in Santa Fe, New Mexico and are included in Attachment G.

REQUEST FOR CLOSURE

On behalf of KFOC, Wescom hereby requests closure for the release associate with incident number nAPP2200646019 based on the logic below.

- Depth to water at the Site is greater than 110 feet bgs, as per Attachment F.
- The release has been horizontally and vertically delineated.
- All confirmation areas and samples are below applicable RRALs for the Site.
- Impacted material was removed and properly disposed of at an approved facility.

If you have any questions or comments, please do not hesitate to call Mrs. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo

Environmental Manager-Permian

cc: Aaron Daniels, Kaiser-Francis Oil Company
Hutton Andrew, Kaiser-Francis Oil Company
Chad Hensley, NMOCD
Bradford Billings, NMOCD



Robert Hamlet, NMOCD

Jennifer Nobui, NMOCD

Nelson Velez, NMOCD

REFERENCE MATERIALS

FIGURES

FIGURE 1. Delineation Sampling

FIGURE 2. Confirmation Sampling

TABLES

TABLE 1. Laboratory Analysis Results: Delineation Samples

TABLE 2. Laboratory Analysis Results: Confirmation Samples

ATTACHMENTS

ATTACHMENT A. C-141

ATTACHMENT B. Site Photos

ATTACHMENT C. Closure Criteria Supporting Documents

ATTACHMENT D. Karst Map

ATTACHMENT E. Envirotech Inc. Laboratory Analysis Reports

ATTACHMENT F. Depth to Water Determination Email

ATTACHMENT G. 48-hour Confirmation Sampling Notification Emails



FIGURES



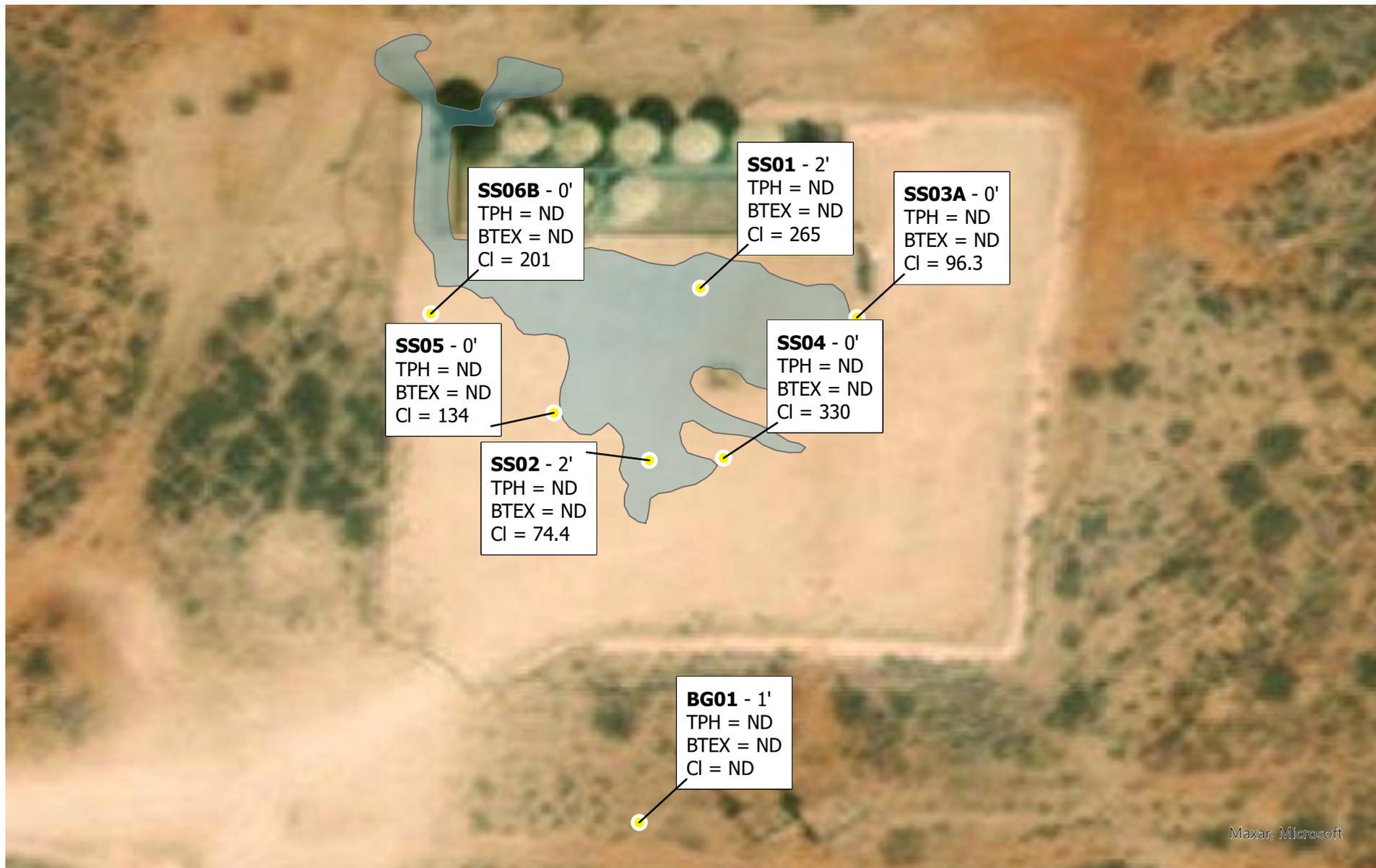


FIGURE 1. DELINEATION SAMPLING

North Bell Lake Unit 4 #015 SWD
 Incident ID: nAPP2200646019
 API: 30-025-24771
 GPS Coordinates: 32.3173599, 103.4942551
 Lea County, New Mexico
 Kaiser-Francis Oil Company

Released to Imaging: 6/14/2022 10:47:26 AM



LEGEND

- Sample Locations
- Spill Area



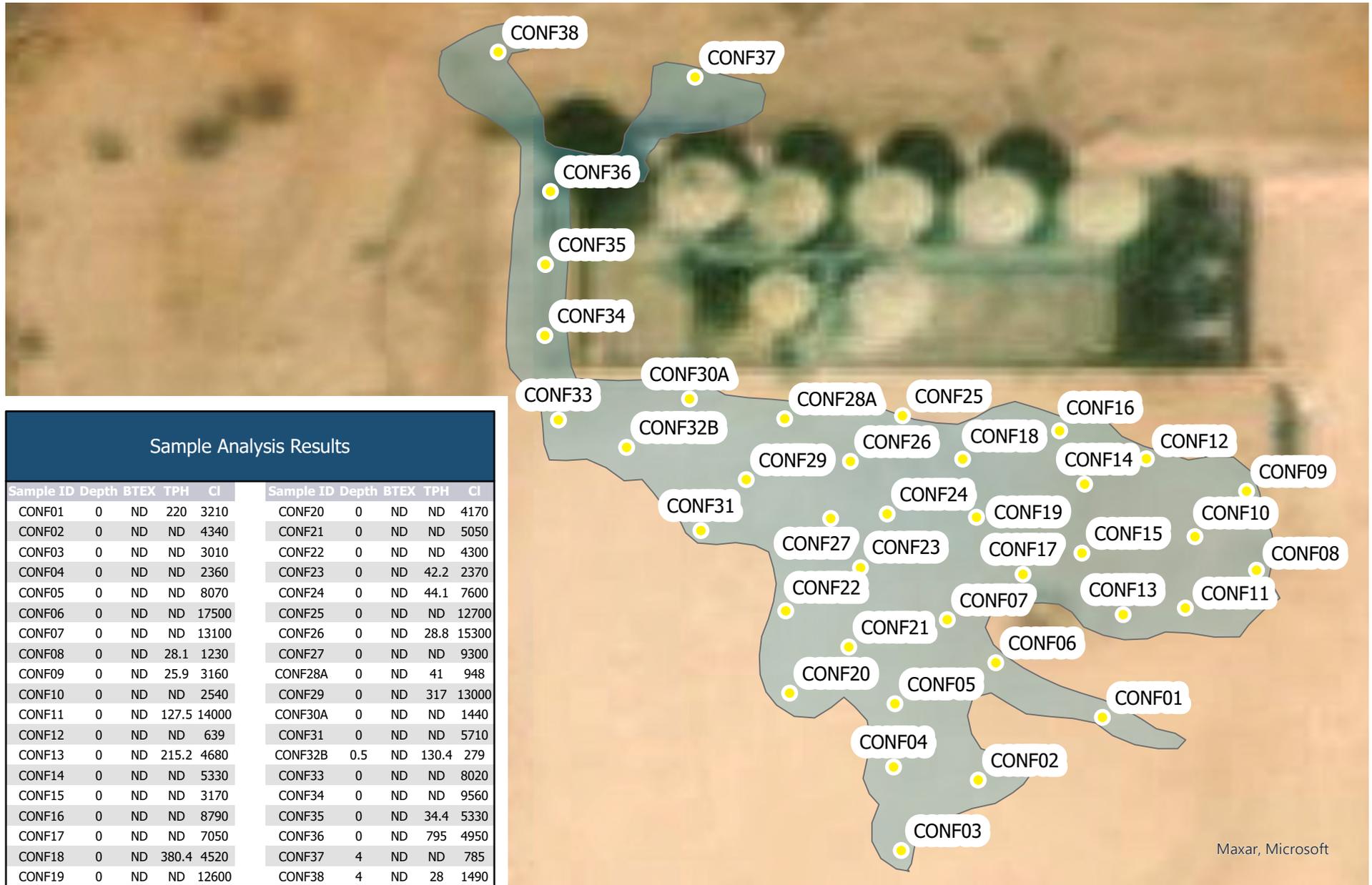


FIGURE 2. CONFIRMATION SAMPLING

North Bell Lake Unit 4 #015 SWD
 Incident ID: nAPP2200646019
 API: 30-025-24771
 GPS Coordinates: 32.3173599, -103.4942551
 Lea County, New Mexico



LEGEND

- Sample Locations
- Spill Area



TABLES



North Bell Lake Unit 4 #15 SWD nAPP							
Kaiser-Francis Oil Company 01.05.2022							
Table 1. Laboratory Analysis Results: Delineation Samples							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	BTEX (total) (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	20000
SS01	2	1/11/2022	ND	ND	ND	ND	265
SS02	2	1/11/2022	ND	ND	ND	ND	74.4
SS03A	0	1/11/2022	ND	ND	ND	ND	96.3
SS04	0	1/11/2022	ND	ND	ND	ND	330
SS05	0	1/11/2022	ND	ND	ND	ND	134
SS06B	0	1/11/2022	ND	ND	ND	ND	201
SS07C	0	3/18/2022	ND	ND	25.9	25.9	96.6
BG01	0	1/11/2022	ND	ND	ND	ND	ND
BG01	1	1/11/2022	ND	ND	ND	ND	ND
ABBREVIATIONS							
BTEX — Benzene, Toluene, Ethylene, Xylene				GRO — Gasoline Range Organics			
DRO — Diesel Range Organics				ND — Non-detect			
ft. — Feet				mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons							
Notes							
Bold Red - Results are above closure criteria							
Gray Highlight - Background Samples							



North Bell Lake Unit 4 #15 SWD nAPP2200646019							
Kaiser-Francis Oil Company 01.05.2022							
Table 2. Laboratory Analysis Results: Confirmation Samples							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	BTEX (total) (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	20000
CONF01	0	3/18/2022	ND	ND	220	220	3210
CONF02	0	3/18/2022	ND	ND	ND	ND	4340
CONF03	0	3/18/2022	ND	ND	ND	ND	3010
CONF04	0	3/18/2022	ND	ND	ND	ND	2360
CONF05	0	3/18/2022	ND	ND	ND	ND	8070
CONF06	0	3/18/2022	ND	ND	ND	ND	17500
CONF07	0	3/18/2022	ND	ND	ND	ND	13100
CONF08	0	3/18/2022	ND	ND	28.1	28.1	1230
CONF09	0	3/18/2022	ND	ND	25.9	25.9	3160
CONF10	0	3/18/2022	ND	ND	ND	ND	2540
CONF11	0	3/18/2022	ND	ND	127.5	127.5	14000
CONF12	0	3/18/2022	ND	ND	ND	ND	639
CONF13	0	3/18/2022	ND	ND	215.2	215.2	4680
CONF14	0	3/18/2022	ND	ND	ND	ND	5330
CONF15	0	3/18/2022	ND	ND	ND	ND	3170
CONF16	0	3/18/2022	ND	ND	ND	ND	8790
CONF17	0	3/18/2022	ND	ND	ND	ND	7050
CONF18	0	3/18/2022	ND	ND	380.4	380.4	4520
CONF19	0	3/18/2022	ND	ND	ND	ND	12600
CONF20	0	3/18/2022	ND	ND	ND	ND	4170
CONF21	0	3/18/2022	ND	ND	ND	ND	5050
CONF22	0	3/18/2022	ND	ND	ND	ND	4300
CONF23	0	3/18/2022	ND	ND	42.2	42.2	2370
CONF24	0	3/18/2022	ND	ND	44.1	44.1	7600
ABBREVIATIONS							
BTEX — Benzene, Toluene, Ethylene, Xylene				GRO — Gasoline Range Organics			
DRO — Diesel Range Organics				ND — Non-detect			
ft. — Feet				mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons							
Notes							
Bold Red - Results are above closure criteria							
Gray Highlight - Background Samples							



North Bell Lake Unit 4 #15 SWD nAPP2200646019							
Kaiser-Francis Oil Company 01.05.2022							
Table 2. Laboratory Analysis Results: Confirmation Samples							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	BTEX (total) (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	20000
CONF25	0	3/18/2022	ND	ND	ND	ND	12700
CONF26	0	3/18/2022	ND	ND	28.8	28.8	15300
CONF27	0	3/18/2022	ND	ND	ND	ND	9300
CONF28	0	3/18/2022	ND	ND	2023	2023	12800
CONF28A	0	3/29/2022	ND	ND	41	41	948
CONF29	0	3/18/2022	ND	ND	317	317	13000
CONF30	0	3/18/2022	ND	ND	1131	1131	9150
CONF30A	0	3/29/2022	ND	ND	ND	ND	1440
CONF31	0	3/18/2022	ND	ND	ND	ND	5710
CONF32	0	3/18/2022	ND	ND	1310	1310	5200
CONF32B	0.5	3/29/2022	ND	ND	130.4	53.2	279
CONF33	0	3/18/2022	ND	ND	ND	ND	8020
CONF34	0	3/18/2022	ND	ND	ND	ND	9560
CONF35	0	3/18/2022	ND	ND	34.4	34.4	5330
CONF36	0	3/18/2022	ND	ND	795	795	4950
CONF37	4	3/18/2022	ND	ND	ND	ND	785
CONF38	4	3/18/2022	ND	ND	28	28	1490
ABBREVIATIONS							
BTEX — Benzene, Toluene, Ethylene, Xylene				GRO — Gasoline Range Organics			
DRO — Diesel Range Organics				ND — Non-detect			
ft. — Feet				mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons							
Notes							
Bold Red - Results are above closure criteria							
Gray Highlight - Background Samples							



ATTACHMENT A

Signed C-141



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

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

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

Incident ID	nAPP2200646019
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Kaiser-Francis Oil Company	OGRID 12361
Contact Name: Aaron Daniels	Contact Telephone: 918-491-4352
Contact email: aarond@kfoc.net	Incident # (assigned by OCD) nAPP2200646019
Contact mailing address: 6733 S. Yale, Tulsa, OK 74136	

Location of Release Source

Latitude 32.3173599 Longitude -103.4942551
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: North Bell Lake Unit 4 #15 SWD	Site Type: SWD
Date Release Discovered: 1/05/2022	API# (if applicable) 30-025-24771

Unit Letter	Section	Township	Range	County
K	08	23S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: Limestone Basin Properties)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 29	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

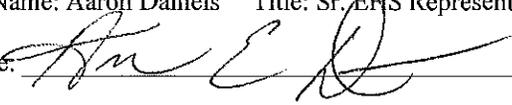
Freezing temperatures for the previous 1-2 days caused a 4" brass ball valve on the load line to separate at the threaded portion.

Incident ID	nAPP2200646019
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Quantity released was greater than 25 bbls.
If YES, was immediate notice given to the OCD? Yes. By whom? Aaron Daniels. To whom? NMOCD. When and by what means (phone, email, etc)? 1/6/22 via NOR.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: _____ _____ _____
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Aaron Daniels Title: Sr. ENS Representative Signature:  Date: 1/20/2022 email: aarond@kfoc.net Telephone: 918-491-4352
OCD Only Received by: _____ Date: _____

Incident ID	nAPP2200646019
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?	> 110 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Form C-141

State of New Mexico
Oil Conservation Division

Page 4

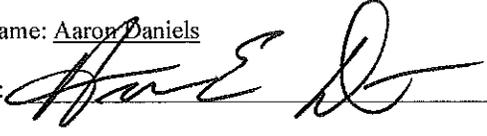
Incident ID	nAPP2200646019
District RP	
Facility ID	
Application ID	

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

Printed Name: Aaron Daniels

Title: EHS Manager

Signature: _____



Date: 6/10/22

email: aarond@kfoc.net

Telephone: 918-491-4352

OCD Only

Received by: _____

Date: _____

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State of New Mexico
Oil Conservation Division

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Facility ID	
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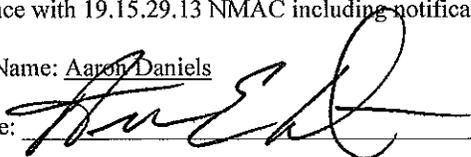
Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Aaron Daniels Title: EHS Manager
 Signature:  Date: 6/10/22
 email: aarond@kfoc.net Telephone: 918-491-4352

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 06/14/2022
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

ATTACHMENT B

Site Photos



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

North Bell Lake Unit 4 #15 SWD | Incident ID: nAPP2200646019



Spill Area



Scrape Area



Scrape Area



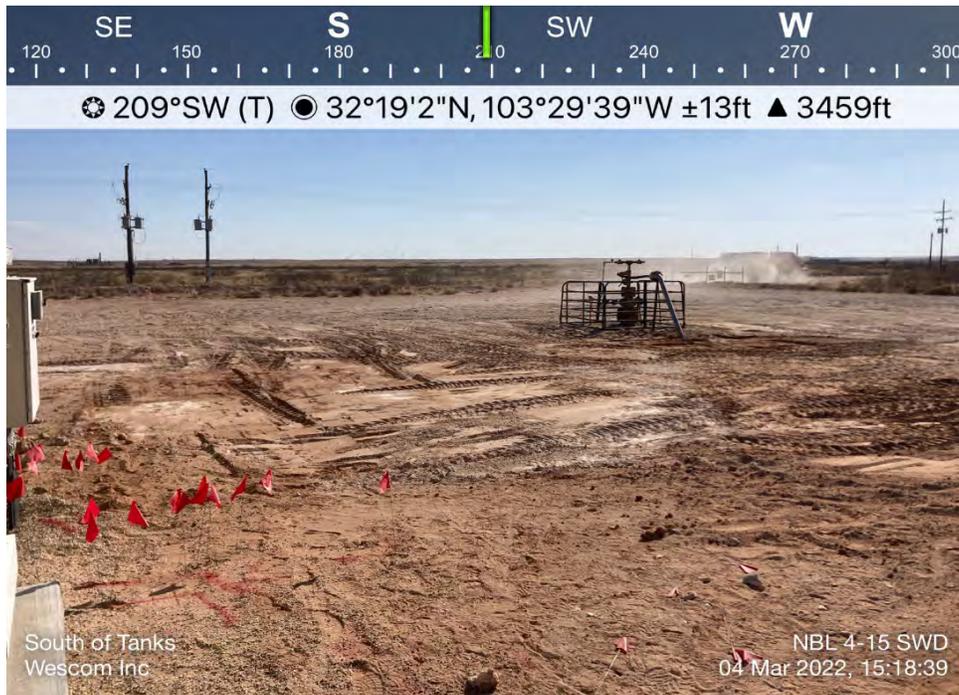
Scrape Area



Scrape Area - West of Tanks



Contaminated Soil Removal



Contaminated Soil Removed



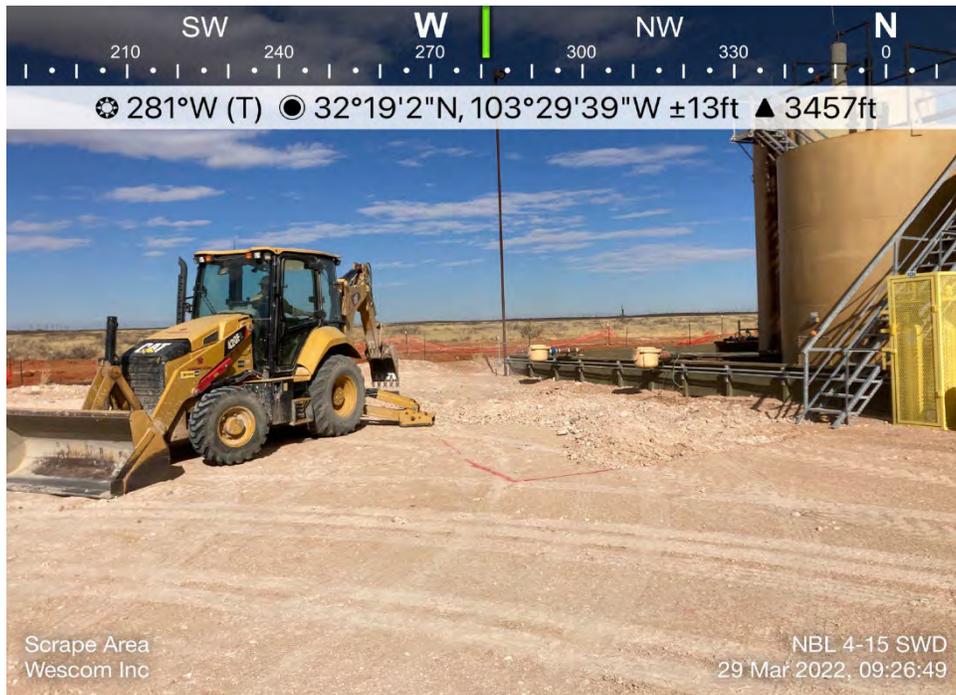
Confirmation Sampling



Confirmation Sampling



Confirmation Sampling



Excavation & Resampling 3 Areas at Load Lines



Excavation & Resampling 3 Areas at Load Lines

ATTACHMENT C

Closure Criteria Supporting Documents



Energizing America

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North Bell Lake Unit 4 #15 SWD | Incident ID: nAPP2200646019

North Bell Lake Unit 4 #15 SWD

Distance to nearest Depth to Water point = 0.68 miles

Legend

-  CP-1886-POD1 - DTW = >110 ft
-  Distance = 0.68 miles
-  North Bell Lake Unit 4 #15 SWD

CP-1886-POD1 - DTW = >110 ft

North Bell Lake Unit 4 #15 SWD





NBL Unit 4 #15 SWD - Riverine 0.73 miles



March 18, 2022

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Estuarine and Marine Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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



March 18, 2022

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

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



March 18, 2022

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  Other
-  Riverine

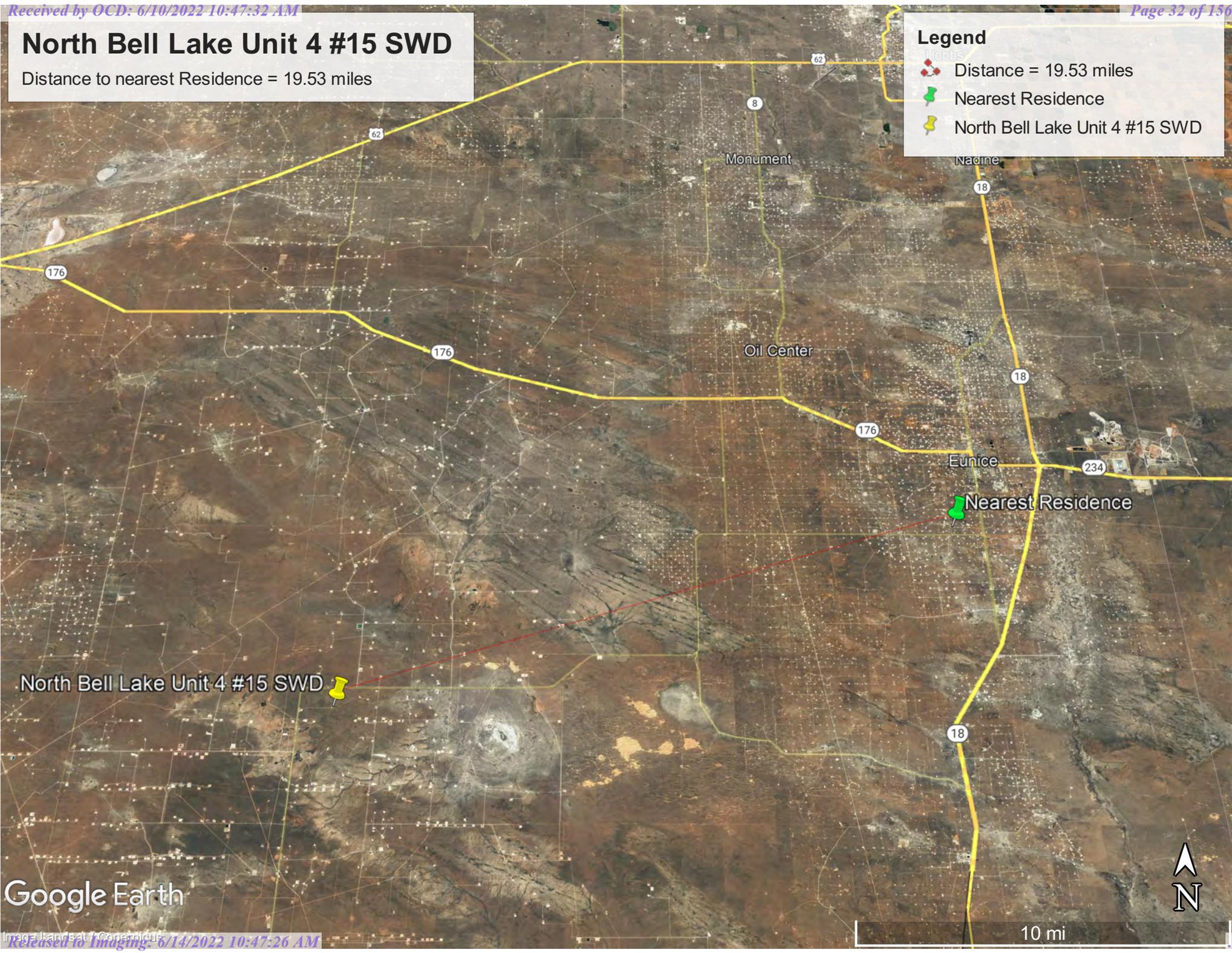
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

North Bell Lake Unit 4 #15 SWD

Distance to nearest Residence = 19.53 miles

Legend

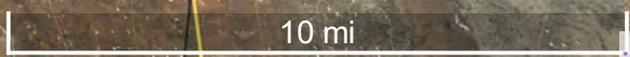
- Distance = 19.53 miles
- Nearest Residence
- North Bell Lake Unit 4 #15 SWD



North Bell Lake Unit 4 #15 SWD

Nearest Residence

Google Earth



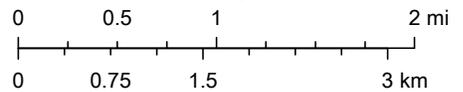
Active Mines Near NBL Unit 4 #15 SWD



3/18/2022, 2:49:10 PM

1:72,224

- Township / Range
- Sections
- Land Ownership**
- Bureau of Land Management
- Bureau of Reclamation
- Department of Agriculture
- Department of Defense
- Department of Energy
- National Park Service
- Private Land
- State Game and Fish
- State Land
- State Parks
- Tribal



U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

ATTACHMENT D

Karst Map



North Bell Lake Unit 4 #15 SWD

Karst Potential = Low

Legend

-  01 Low
-  02 Medium
-  03 High
-  North Bell Lake Unit 4 #15 SWD

North Bell Lake Unit 4 #15 SWD 



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

North Bell Lake Unit 4 #15 SWD | Incident ID: nAPP2200646019

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: NBL 4-15 SWD

Work Order: E201040

Job Number: 21022-0001

Received: 1/13/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/20/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/20/22



Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: NBL 4-15 SWD
Workorder: E201040
Date Received: 1/13/2022 10:53:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/13/2022 10:53:00AM, under the Project Name: NBL 4-15 SWD.

The analytical test results summarized in this report with the Project Name: NBL 4-15 SWD 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 regarding 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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name:	NBL 4-15 SWD	Reported: 01/20/22 09:43
	Project Number:	21022-0001	
	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-2'	E201040-01A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
SS02-2'	E201040-02A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
SS03A-0'	E201040-03A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
SS04-0'	E201040-04A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
SS05-0'	E201040-05A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
SS06B-0'	E201040-06A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
BG01-0'	E201040-07A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.
BG01-1'	E201040-08A	Soil	01/11/22	01/13/22	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS01-2'

E201040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/14/22	01/15/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	265	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS02-2'

E201040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.0 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	74.4	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS03A-0'

E201040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		102 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		84.1 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	96.3	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS04-0'

E201040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		62.9 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	330	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS05-0'

E201040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.1 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	134	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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SS06B-0'

E201040-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		96.3 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	201	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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BG01-0'
E201040-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		94.4 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	ND	20.0	1	01/17/22	01/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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BG01-1'
E201040-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Benzene	ND	0.0250	1	01/14/22	01/19/22	
Ethylbenzene	ND	0.0250	1	01/14/22	01/19/22	
Toluene	ND	0.0250	1	01/14/22	01/19/22	
o-Xylene	ND	0.0250	1	01/14/22	01/19/22	
p,m-Xylene	ND	0.0500	1	01/14/22	01/19/22	
Total Xylenes	ND	0.0250	1	01/14/22	01/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2203030
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/22	01/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	01/14/22	01/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2203031
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/22	01/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/22	01/15/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	01/14/22	01/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2204003
Chloride	ND	20.0	1	01/17/22	01/17/22	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2203030-BLK1)

Prepared: 01/14/22 Analyzed: 01/19/22

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	7.65		8.00		95.6	70-130			

LCS (2203030-BS1)

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.66	0.0250	5.00		93.2	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

Matrix Spike (2203030-MS1)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.68	0.0250	5.00	ND	93.6	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.2	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2203030-MSD1)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Benzene	4.68	0.0250	5.00	ND	93.6	54-133	0.0331	20	
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133	0.618	20	
Toluene	5.07	0.0250	5.00	ND	101	61-130	0.439	20	
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131	0.784	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.685	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131	0.717	20	
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2203030-BLK1)

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.23		8.00		103	70-130			

LCS (2203030-BS2)

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.50		8.00		106	70-130			

Matrix Spike (2203030-MS2)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.25		8.00		103	70-130			

Matrix Spike Dup (2203030-MSD2)

Source: E201050-03

Prepared: 01/14/22 Analyzed: 01/19/22

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		8.00		104	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2203031-BLK1)

Prepared: 01/14/22 Analyzed: 01/15/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.6		50.0		111	50-200			

LCS (2203031-BS1)

Prepared: 01/14/22 Analyzed: 01/15/22

Diesel Range Organics (C10-C28)	546	25.0	500		109	38-132			
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	50-200			

Matrix Spike (2203031-MS1)

Source: E201040-01

Prepared: 01/14/22 Analyzed: 01/15/22

Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.4	38-132			
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.8	50-200			

Matrix Spike Dup (2203031-MSD1)

Source: E201040-01

Prepared: 01/14/22 Analyzed: 01/15/22

Diesel Range Organics (C10-C28)	540	25.0	500	ND	108	38-132	11.4	20	
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	50-200			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 1/20/2022 9:43:39AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2204003-BLK1)

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride ND 20.0

LCS (2204003-BS1)

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 254 20.0 250 101 90-110

Matrix Spike (2204003-MS1)

Source: E201040-02

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 332 20.0 250 74.4 103 80-120

Matrix Spike Dup (2204003-MSD1)

Source: E201040-02

Prepared: 01/17/22 Analyzed: 01/17/22

Chloride 330 20.0 250 74.4 102 80-120 0.433 20

QC Summary Report Comment:

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



Definitions and Notes

Kaiser Francis Oil Company	Project Name:	NBL 4-15 SWD	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	01/20/22 09:43

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Chain of Custody

Client: Kaiser Francis Oil Co
 Project: NBL 4-15 SWD
 Project Manager: Ashley Giovenco
 Address: 1224 Standpipe Rd
 City, State, Zip Carlsbad NM 88220
 Phone: 505-382-1211
 Email: ashley.giovenco@wescominc.com
 Report due by:

Bill To
 Attention: Wescom Inc
 Address: 1224 Standpipe Rd
 City, State, Zip Carlsbad NM 88220
 Phone: 505-382-1211
 Email: ashley.giovenco@wescominc.com

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E 201090	21022-0001				X		
Analysis and Method							

State				
NM	CO	UT	AZ	TX
X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
1142	1/1/22	Soil	1	SS01-2'	1
1208				SS02-2'	2
1456				SS03A-0'	3
1358				SS04-0'	4
1402				SS05-0'	5
1537				SS06B-0'	6
1543				B.G01-0'	7
1544				B.G01-1'	8

DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	TX
						X	

Additional Instructions: shan.harvester@wescominc.com
 Please CC cule.burton@wescominc.com

on ice

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
<i>[Signature]</i>	1/12/22	1451	<i>[Signature]</i>	1/12/22	1451	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<i>[Signature]</i>	1-12-22	1622	<i>[Signature]</i>	1/13/22	10:53	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 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.

Envirotech Analytical Laboratory

Printed: 1/13/2022 11:31:48AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Kaiser Francis Oil Company Date Received: 01/13/22 10:53 Work Order ID: E201040
Phone: (505) 382-1211 Date Logged In: 01/12/22 15:20 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 01/19/22 17:00 (4 day TAT)

Chain 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the 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 the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are 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 Instruction

Empty box for client instructions.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: NBL Unit 4-15 SWD

Work Order: E203068

Job Number: 21022-0001

Received: 3/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/18/22



Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: NBL Unit 4-15 SWD
Workorder: E203068
Date Received: 3/10/2022 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/10/2022 10:30:00AM, under the Project Name: NBL Unit 4-15 SWD.

The analytical test results summarized in this report with the Project Name: NBL Unit 4-15 SWD 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 regarding 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
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Cell: 775-287-1762
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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 03/18/22 12:27
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07C - 0'	E203068-01A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 12:27:49PM
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SS07C - 0'

E203068-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>	92.7 %	70-130		03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>	99.6 %	70-130		03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>	92.7 %	70-130		03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>	99.6 %	70-130		03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	25.9	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>	102 %	50-200		03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212060
Chloride	96.6	20.0	1	03/16/22	03/17/22	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 12:27:49PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212022-BLK1)

Prepared: 03/15/22 Analyzed: 03/17/22

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	0.467		0.500		93.3			70-130	
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101			70-130	
Surrogate: Toluene-d8	0.504		0.500		101			70-130	

LCS (2212022-BS1)

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.72	0.0250	2.50		109			70-130	
Ethylbenzene	2.78	0.0250	2.50		111			70-130	
Toluene	2.80	0.0250	2.50		112			70-130	
o-Xylene	2.67	0.0250	2.50		107			70-130	
p,m-Xylene	5.36	0.0500	5.00		107			70-130	
Total Xylenes	8.03	0.0250	7.50		107			70-130	
Surrogate: Bromofluorobenzene	0.481		0.500		96.1			70-130	
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7			70-130	
Surrogate: Toluene-d8	0.518		0.500		104			70-130	

Matrix Spike (2212022-MS1)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.74	0.0250	2.50	ND	110			48-131	
Ethylbenzene	2.82	0.0250	2.50	ND	113			45-135	
Toluene	2.82	0.0250	2.50	ND	113			48-130	
o-Xylene	2.73	0.0250	2.50	ND	109			43-135	
p,m-Xylene	5.45	0.0500	5.00	ND	109			43-135	
Total Xylenes	8.18	0.0250	7.50	ND	109			43-135	
Surrogate: Bromofluorobenzene	0.480		0.500		96.0			70-130	
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101			70-130	
Surrogate: Toluene-d8	0.512		0.500		102			70-130	

Matrix Spike Dup (2212022-MSD1)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.68	0.0250	2.50	ND	107		2.08	23	
Ethylbenzene	2.77	0.0250	2.50	ND	111		1.97	27	
Toluene	2.77	0.0250	2.50	ND	111		2.00	24	
o-Xylene	2.67	0.0250	2.50	ND	107		1.94	27	
p,m-Xylene	5.30	0.0500	5.00	ND	106		2.84	27	
Total Xylenes	7.98	0.0250	7.50	ND	106		2.54	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8			70-130	
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100			70-130	
Surrogate: Toluene-d8	0.517		0.500		103			70-130	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 12:27:49PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212022-BLK1)

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.467		0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2212022-BS2)

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	60.0	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike (2212022-MS2)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2212022-MSD2)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	59.5	20.0	50.0	ND	119	70-130	1.51	20	
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 12:27:49PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212020-BLK1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			

LCS (2212020-BS1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	446	25.0	500		89.1	38-132			
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	50-200			

Matrix Spike (2212020-MS1)

Source: E203065-08

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	1930	25.0	500	1640	59.7	38-132			
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2212020-MSD1)

Source: E203065-08

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	2080	25.0	500	1640	88.7	38-132	7.24	20	
Surrogate: <i>n</i> -Nonane	51.4		50.0		103	50-200			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4-15 SWD Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 12:27:49PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212060-BLK1)

Prepared: 03/16/22 Analyzed: 03/17/22

Chloride ND 20.0

LCS (2212060-BS1)

Prepared: 03/16/22 Analyzed: 03/17/22

Chloride 258 20.0 250 103 90-110

Matrix Spike (2212060-MS1)

Source: E203077-01

Prepared: 03/16/22 Analyzed: 03/17/22

Chloride 404 20.0 250 130 109 80-120

Matrix Spike Dup (2212060-MSD1)

Source: E203077-01

Prepared: 03/16/22 Analyzed: 03/17/22

Chloride 395 20.0 250 130 106 80-120 2.06 20

QC Summary Report Comment:

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



Definitions and Notes

Kaiser Francis Oil Company	Project Name:	NBL Unit 4-15 SWD	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/18/22 12:27

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to Imaging - 6/14/2022 10:47:26 AM

Received by OCD: 6/10/2022 10:47:32 AM

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT				EPA Program			
Project: NBL Unit 4-15 SWD				Attention: Wescom Inc		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo				Address: 1224 Standpipe Rd		E203068		21022-0001					x		
Address: 1224 Standpipe Rd				City, State, Zip: Carlsbad, NM 88220		Analysis and Method									
City, State, Zip: Carlsbad, NM 88220				Phone: 505-382-1211		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State	
Phone: 505-382-1211				Email: ashley.giovengo@wescominc.com										NM	CO
Email: ashley.giovengo@wescominc.com		Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
15:05	3/7/22	Soil	1 Jar	SS07C - 0'	1							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Relinquished by: (Signature) <i>Eve Bliss</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>				Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	
Relinquished by: (Signature) <i>[Signature]</i>				3-9-22	11:24	Received by: (Signature) <i>[Signature]</i>				3-9-22	11:24		
Relinquished by: (Signature) <i>[Signature]</i>				3-9-22	14:30	Received by: (Signature) <i>[Signature]</i>				3/10/22	10:30		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.



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Envirotech Analytical Laboratory

Printed: 3/10/2022 1:43:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Kaiser Francis Oil Company	Date Received:	03/10/22 10:30	Work Order ID:	E203068
Phone:	(505) 382-1211	Date Logged In:	03/10/22 11:56	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/16/22 17:00 (4 day TAT)		

Chain 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the 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 the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the 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 non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are 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 Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: North Bell Lake Unit 4 #015

Work Order: E203066

Job Number: 21022-0001

Received: 3/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/18/22



Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: North Bell Lake Unit 4 #015
Workorder: E203066
Date Received: 3/10/2022 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/10/2022 10:30:00AM, under the Project Name: North Bell Lake Unit 4 #015.

The analytical test results summarized in this report with the Project Name: North Bell Lake Unit 4 #015 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 regarding 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

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

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Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: North Bell Lake Unit 4 #015
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
03/18/22 15:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 0'	E203066-01A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF02 - 0'	E203066-02A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF03 - 0'	E203066-03A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF04 - 0'	E203066-04A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF05 - 0'	E203066-05A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF06 - 0'	E203066-06A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF07 - 0'	E203066-07A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF08 - 0'	E203066-08A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF09 - 0'	E203066-09A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF10 - 0'	E203066-10A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF11 - 0'	E203066-11A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF12 - 0'	E203066-12A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF13 - 0'	E203066-13A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF14 - 0'	E203066-14A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF15 - 0'	E203066-15A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF16 - 0'	E203066-16A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF17 - 0'	E203066-17A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF18 - 0'	E203066-18A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF19 - 0'	E203066-19A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF20 - 0'	E203066-20A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF01 - 0'

E203066-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>	94.7 %	70-130		03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130		03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>	99.9 %	70-130		03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>	94.7 %	70-130		03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130		03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>	99.9 %	70-130		03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	220	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>	118 %	50-200		03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	3210	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
---	---	---

CONF02 - 0'
E203066-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		93.4 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	4340	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
---	---	---

CONF03 - 0'
E203066-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.2 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	3010	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF04 - 0'
E203066-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		95.0 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.7 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	2360	20.0	1	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF05 - 0'
E203066-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.4 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	8070	200	10	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF06 - 0'

E203066-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	17500	400	20	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF07 - 0'

E203066-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		90.3 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		90.3 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	13100	200	10	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF08 - 0'
E203066-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		94.0 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.6 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	28.1	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	1230	20.0	1	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF09 - 0'

E203066-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	25.9	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	3160	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF10 - 0'

E203066-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.8 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	2540	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF11 - 0'

E203066-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	51.9	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	75.6	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	14000	400	20	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF12 - 0'
E203066-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		117 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	639	20.0	1	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF13 - 0'

E203066-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.6 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.5 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	75.2	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	140	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	4680	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF14 - 0'

E203066-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		120 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	5330	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF15 - 0'

E203066-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		93.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		119 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	3170	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF16 - 0'
E203066-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		94.3 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.6 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		124 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	8790	200	10	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF17 - 0'

E203066-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		123 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	7050	40.0	2	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF18 - 0'
E203066-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		97.4 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	59.4	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	321	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	4520	40.0	2	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF19 - 0'
E203066-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		121 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	12600	200	10	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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CONF20 - 0'

E203066-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Benzene	ND	0.0250	1	03/15/22	03/18/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/18/22	
Toluene	ND	0.0250	1	03/15/22	03/18/22	
o-Xylene	ND	0.0250	1	03/15/22	03/18/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/18/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.1 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212024
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/18/22	
<i>Surrogate: Bromofluorobenzene</i>		92.1 %	70-130	03/15/22	03/18/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	03/15/22	03/18/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/18/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212021
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/17/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	03/15/22	03/17/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212033
Chloride	4170	40.0	2	03/15/22	03/17/22	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212024-BLK1)

Prepared: 03/15/22 Analyzed: 03/18/22

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	0.472		0.500		94.4		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1		70-130		
Surrogate: Toluene-d8	0.499		0.500		99.7		70-130		

LCS (2212024-BS1)

Prepared: 03/15/22 Analyzed: 03/18/22

Benzene	2.51	0.0250	2.50		101		70-130		
Ethylbenzene	2.61	0.0250	2.50		104		70-130		
Toluene	2.58	0.0250	2.50		103		70-130		
o-Xylene	2.55	0.0250	2.50		102		70-130		
p,m-Xylene	5.08	0.0500	5.00		102		70-130		
Total Xylenes	7.63	0.0250	7.50		102		70-130		
Surrogate: Bromofluorobenzene	0.483		0.500		96.5		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4		70-130		
Surrogate: Toluene-d8	0.507		0.500		101		70-130		

Matrix Spike (2212024-MS1)

Source: E203066-02

Prepared: 03/15/22 Analyzed: 03/18/22

Benzene	2.69	0.0250	2.50	ND	107		48-131		
Ethylbenzene	2.82	0.0250	2.50	ND	113		45-135		
Toluene	2.78	0.0250	2.50	ND	111		48-130		
o-Xylene	2.75	0.0250	2.50	ND	110		43-135		
p,m-Xylene	5.44	0.0500	5.00	ND	109		43-135		
Total Xylenes	8.19	0.0250	7.50	ND	109		43-135		
Surrogate: Bromofluorobenzene	0.494		0.500		98.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1		70-130		
Surrogate: Toluene-d8	0.513		0.500		103		70-130		

Matrix Spike Dup (2212024-MSD1)

Source: E203066-02

Prepared: 03/15/22 Analyzed: 03/18/22

Benzene	2.75	0.0250	2.50	ND	110		48-131	2.39	23
Ethylbenzene	2.90	0.0250	2.50	ND	116		45-135	2.75	27
Toluene	2.86	0.0250	2.50	ND	114		48-130	2.75	24
o-Xylene	2.85	0.0250	2.50	ND	114		43-135	3.72	27
p,m-Xylene	5.63	0.0500	5.00	ND	113		43-135	3.37	27
Total Xylenes	8.48	0.0250	7.50	ND	113		43-135	3.49	27
Surrogate: Bromofluorobenzene	0.485		0.500		96.9		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9		70-130		
Surrogate: Toluene-d8	0.507		0.500		101		70-130		



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212024-BLK1)

Prepared: 03/15/22 Analyzed: 03/18/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS (2212024-BS2)

Prepared: 03/15/22 Analyzed: 03/18/22

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2212024-MS2)

Source: E203066-02

Prepared: 03/15/22 Analyzed: 03/18/22

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2212024-MSD2)

Source: E203066-02

Prepared: 03/15/22 Analyzed: 03/18/22

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	0.491	20	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212021-BLK1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	60.4		50.0		121	50-200			

LCS (2212021-BS1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	450	25.0	500		90.0	38-132			
Surrogate: <i>n</i> -Nonane	61.0		50.0		122	50-200			

Matrix Spike (2212021-MS1)

Source: E203066-12

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	460	25.0	500	ND	92.0	38-132			
Surrogate: <i>n</i> -Nonane	61.4		50.0		123	50-200			

Matrix Spike Dup (2212021-MSD1)

Source: E203066-12

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	461	25.0	500	ND	92.2	38-132	0.205	20	
Surrogate: <i>n</i> -Nonane	60.9		50.0		122	50-200			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/18/2022 3:30:45PM
---	---	---

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212033-BLK1)

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	ND	20.0							
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LCS (2212033-BS1)

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	265	20.0	250		106	90-110			
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Matrix Spike (2212033-MS1)

Source: E203066-01

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	3250	40.0	250	3210	15.4	80-120			M2
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Matrix Spike Dup (2212033-MSD1)

Source: E203066-01

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	3290	40.0	250	3210	31.5	80-120	1.23	20	M2
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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:	North Bell Lake Unit 4 #015	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/18/22 15:30

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to Imaging: 07/14/2022 10:47:26 AM

PO 32471

Received by OCD: 6/10/2022 10:47:32 AM

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT			EPA Program		
Project: North Bell Lake Unit 4 #015		Attention: Wescom Inc		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E203066		2022-0001					x		
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method									
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	
Phone: 505-382-1211		Email: ashley.giovengo@wescominc.com		State									
Email: ashley.giovengo@wescominc.com				NM CO UT AZ TX									
Report due by:				x									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:07	3/7/22	Soil	1 Jar	CONF01 - 0'	1							X		
10:12	3/7/22	Soil	1 Jar	CONF02 - 0'	2							X		
10:14	3/7/22	Soil	1 Jar	CONF03 - 0'	3							X		
10:22	3/7/22	Soil	1 Jar	CONF04 - 0'	4							X		
10:25	3/7/22	Soil	1 Jar	CONF05 - 0'	5							X		
10:28	3/7/22	Soil	1 Jar	CONF06 - 0'	6							X		
10:35	3/7/22	Soil	1 Jar	CONF07 - 0'	7							X		
10:38	3/7/22	Soil	1 Jar	CONF08 - 0'	8							X		
10:41	3/7/22	Soil	1 Jar	CONF09 - 0'	9							X		
10:44	3/7/22	Soil	1 Jar	CONF10 - 0'	10							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.



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Released to Imaging - 07/14/2022 10:47:26 AM

Received by OCD: 6/10/2022 10:47:32 AM

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT				EPA Program							
Project: North Bell Lake Unit 4 #015				Attention: Wescom Inc		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E 203066		21022-0001					x								
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method															
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211																	
Phone: 505-382-1211		Email: ashley.giovengo@wescominc.com		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX	
Email: ashley.giovengo@wescominc.com																			
Report due by:																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State					Remarks				
														NM	CO	UT	AZ	TX					
10:42	3/7/22	Soil	1 Jar	CONF11 - 0'	11							X		x									
10:52	3/7/22	Soil	1 Jar	CONF12 - 0'	12							X											
10:55	3/7/22	Soil	1 Jar	CONF13 - 0'	13							X											
10:57	3/7/22	Soil	1 Jar	CONF14 - 0'	14							X											
11:00	3/7/22	Soil	1 Jar	CONF15 - 0'	15							X											
11:04	3/7/22	Soil	1 Jar	CONF16 - 0'	16							X											
11:07	3/7/22	Soil	1 Jar	CONF17 - 0'	17							X											
11:10	3/7/22	Soil	1 Jar	CONF18 - 0'	18							X											
11:13	3/7/22	Soil	1 Jar	CONF19 - 0'	19							X											
11:16	3/7/22	Soil	1 Jar	CONF20 - 0'	20							X											

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<i>[Signature]</i>		3-9-22	11:24	<i>[Signature]</i>		3.9.22	1124	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____	
<i>[Signature]</i>		3.9.22	1430	<i>[Signature]</i>		3/10/22	3:02am		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>	
<i>[Signature]</i>				<i>[Signature]</i>					

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.



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Envirotech Analytical Laboratory

Printed: 3/10/2022 1:28:06PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Kaiser Francis Oil Company Date Received: 03/10/22 10:30 Work Order ID: E203066
Phone: (505) 382-1211 Date Logged In: 03/10/22 11:46 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 03/16/22 17:00 (4 day TAT)

Chain 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the 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 the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are 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 Instruction

Empty box for client instructions.

Comments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows: E203065 COC page 3&4 of 4, E203066 COC page 1&2 of 4.

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: North Bell Lake Unit 4 #015

Work Order: E203065

Job Number: 21022-0001

Received: 3/10/2022

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/21/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/21/22



Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: North Bell Lake Unit 4 #015
Workorder: E203065
Date Received: 3/10/2022 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/10/2022 10:30:00AM, under the Project Name: North Bell Lake Unit 4 #015.

The analytical test results summarized in this report with the Project Name: North Bell Lake Unit 4 #015 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 regarding 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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labadmin@envirotech-inc.com

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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company
1224 Standpipe Rd
Carlsbad NM, 88220

Project Name: North Bell Lake Unit 4 #015
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
03/21/22 12:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF21 - 0'	E203065-01A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF22 - 0'	E203065-02A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF23 - 0'	E203065-03A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF24 - 0'	E203065-04A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF25 - 0'	E203065-05A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF26 - 0'	E203065-06A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF27 - 0'	E203065-07A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF28 - 0'	E203065-08A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF29 - 0'	E203065-09A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF30 - 0'	E203065-10A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF31 - 0'	E203065-11A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF32 - 0'	E203065-12A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF33 - 0'	E203065-13A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF34 - 0'	E203065-14A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF35 - 0'	E203065-15A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF36 - 0'	E203065-16A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF37 - 4'	E203065-17A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.
CONF38 - 4'	E203065-18A	Soil	03/07/22	03/10/22	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF21 - 0'

E203065-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		03/15/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/15/22	03/16/22	
Surrogate: Toluene-d8	99.0 %	70-130		03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
Surrogate: Bromofluorobenzene	93.3 %	70-130		03/15/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/15/22	03/16/22	
Surrogate: Toluene-d8	99.0 %	70-130		03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
Surrogate: n-Nonane	105 %	50-200		03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	5050	40.0	2	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
---	---	--

CONF22 - 0'

E203065-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	4300	200	10	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF23 - 0'
E203065-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		92.3 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	42.2	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	2370	20.0	1	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF24 - 0'

E203065-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	44.1	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		81.0 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	7600	200	10	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF25 - 0'
E203065-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.1 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	12700	400	20	03/15/22	03/16/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF26 - 0'
E203065-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	28.8	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		105 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	15300	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF27 - 0'

E203065-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.7 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	9300	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF28 - 0'
E203065-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	1640	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	383	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	12800	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF29 - 0'

E203065-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	208	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	109	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		98.8 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	13000	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF30 - 0'
E203065-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.3 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	751	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	380	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		99.1 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	9150	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF31 - 0'
E203065-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	5710	40.0	2	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF32 - 0'
E203065-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	909	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	401	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	5200	40.0	2	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF33 - 0'

E203065-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.0 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		99.8 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	8020	200	10	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF34 - 0'
E203065-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		93.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.6 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		99.2 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	9560	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF35 - 0'
E203065-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	34.4	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		98.7 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	5330	400	20	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF36 - 0'
E203065-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>						
		91.4 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>						
		98.4 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>						
		91.4 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>						
		104 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>						
		98.4 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	531	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	264	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>						
		98.2 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	4950	200	10	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF37 - 4'
E203065-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/16/22	
Toluene	ND	0.0250	1	03/15/22	03/16/22	
o-Xylene	ND	0.0250	1	03/15/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/16/22	
<i>Surrogate: Bromofluorobenzene</i>		91.2 %	70-130	03/15/22	03/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/16/22	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	03/15/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	785	20.0	1	03/15/22	03/17/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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CONF38 - 4'
E203065-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Benzene	ND	0.0250	1	03/15/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/17/22	
Toluene	ND	0.0250	1	03/15/22	03/17/22	
o-Xylene	ND	0.0250	1	03/15/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2212022
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/17/22	
<i>Surrogate: Bromofluorobenzene</i>		91.7 %	70-130	03/15/22	03/17/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/22	03/17/22	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	03/15/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212020
Diesel Range Organics (C10-C28)	28.0	25.0	1	03/15/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/16/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	03/15/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2212032
Chloride	1490	40.0	2	03/15/22	03/17/22	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212022-BLK1)

Prepared: 03/15/22 Analyzed: 03/17/22

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	0.467		0.500		93.3		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101		70-130		
Surrogate: Toluene-d8	0.504		0.500		101		70-130		

LCS (2212022-BS1)

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.72	0.0250	2.50		109		70-130		
Ethylbenzene	2.78	0.0250	2.50		111		70-130		
Toluene	2.80	0.0250	2.50		112		70-130		
o-Xylene	2.67	0.0250	2.50		107		70-130		
p,m-Xylene	5.36	0.0500	5.00		107		70-130		
Total Xylenes	8.03	0.0250	7.50		107		70-130		
Surrogate: Bromofluorobenzene	0.481		0.500		96.1		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7		70-130		
Surrogate: Toluene-d8	0.518		0.500		104		70-130		

Matrix Spike (2212022-MS1)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.74	0.0250	2.50	ND	110		48-131		
Ethylbenzene	2.82	0.0250	2.50	ND	113		45-135		
Toluene	2.82	0.0250	2.50	ND	113		48-130		
o-Xylene	2.73	0.0250	2.50	ND	109		43-135		
p,m-Xylene	5.45	0.0500	5.00	ND	109		43-135		
Total Xylenes	8.18	0.0250	7.50	ND	109		43-135		
Surrogate: Bromofluorobenzene	0.480		0.500		96.0		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101		70-130		
Surrogate: Toluene-d8	0.512		0.500		102		70-130		

Matrix Spike Dup (2212022-MSD1)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Benzene	2.68	0.0250	2.50	ND	107		48-131	2.08	23
Ethylbenzene	2.77	0.0250	2.50	ND	111		45-135	1.97	27
Toluene	2.77	0.0250	2.50	ND	111		48-130	2.00	24
o-Xylene	2.67	0.0250	2.50	ND	107		43-135	1.94	27
p,m-Xylene	5.30	0.0500	5.00	ND	106		43-135	2.84	27
Total Xylenes	7.98	0.0250	7.50	ND	106		43-135	2.54	27
Surrogate: Bromofluorobenzene	0.484		0.500		96.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100		70-130		
Surrogate: Toluene-d8	0.517		0.500		103		70-130		



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2212022-BLK1)

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.467		0.500		93.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2212022-BS2)

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	60.0	20.0	50.0		120	70-130			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike (2212022-MS2)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2212022-MSD2)

Source: E203065-03

Prepared: 03/15/22 Analyzed: 03/17/22

Gasoline Range Organics (C6-C10)	59.5	20.0	50.0	ND	119	70-130	1.51	20	
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
---	---	--

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2212020-BLK1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	50-200			

LCS (2212020-BS1)

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	446	25.0	500		89.1	38-132			
Surrogate: <i>n</i> -Nonane	50.3		50.0		101	50-200			

Matrix Spike (2212020-MS1)

Source: E203065-08

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	1930	25.0	500	1640	59.7	38-132			
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2212020-MSD1)

Source: E203065-08

Prepared: 03/15/22 Analyzed: 03/16/22

Diesel Range Organics (C10-C28)	2080	25.0	500	1640	88.7	38-132	7.24	20	
Surrogate: <i>n</i> -Nonane	51.4		50.0		103	50-200			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: North Bell Lake Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 3/21/2022 12:39:38PM
---	---	--

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2212032-BLK1)

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	ND	20.0							
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LCS (2212032-BS1)

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	259	20.0	250		103	90-110			
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Matrix Spike (2212032-MS1)

Source: E203065-01

Prepared: 03/15/22 Analyzed: 03/16/22

Chloride	5710	40.0	250	5050	263	80-120			M2
----------	------	------	-----	------	-----	--------	--	--	----

Matrix Spike Dup (2212032-MSD1)

Source: E203065-01

Prepared: 03/15/22 Analyzed: 03/17/22

Chloride	5390	40.0	250	5050	135	80-120	5.78	20	M2
----------	------	------	-----	------	-----	--------	------	----	----

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:	North Bell Lake Unit 4 #015	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	03/21/22 12:39

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to Imaging - 6/14/2022 10:47:26 AM

PO: 32471

Received by OCD: 6/10/2022 10:47:32 AM

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT			EPA Program		
Project: North Bell Lake Unit 4 #015				Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Attention: Wescom Inc		E 203005				21022-0001			x		
Address: 1224 Standpipe Rd		Address: 1224 Standpipe Rd		Analysis and Method								RCRA	
City, State, Zip: Carlsbad, NM 88220		City, State, Zip: Carlsbad, NM 88220											
Phone: 505-382-1211		Phone: 505-382-1211											
Email: ashley.giovengo@wescominc.com		Email: ashley.giovengo@wescominc.com										State	
Report due by:												NM CO UT AZ TX	
												x	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:21	3/7/22	Soil	1 Jar	CONF21 - 0'	1							X		
11:27	3/7/22	Soil	1 Jar	CONF22 - 0'	2							X		
11:30	3/7/22	Soil	1 Jar	CONF23 - 0'	3							X		
11:34	3/7/22	Soil	1 Jar	CONF24 - 0'	4							X		
11:37	3/7/22	Soil	1 Jar	CONF25 - 0'	5							X		
11:42	3/7/22	Soil	1 Jar	CONF26 - 0'	6							X		
11:48	3/7/22	Soil	1 Jar	CONF27 - 0'	7							X		
11:56	3/7/22	Soil	1 Jar	CONF28 - 0'	8							X		
12:01	3/7/22	Soil	1 Jar	CONF29 - 0'	9							X		
12:04	3/7/22	Soil	1 Jar	CONF30 - 0'	10							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>			
<i>[Signature]</i>		3-9-22	11:29	<i>[Signature]</i>		3-9-22	11:24				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
<i>[Signature]</i>		3-9-22	14:30	<i>[Signature]</i>		3-10-22	10:30				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
<i>[Signature]</i>				<i>[Signature]</i>							

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.



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Released to Imaging: 6/14/2022 10:47:26 AM

Received by OCD: 6/10/2022 10:47:32 AM

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT				EPA Program			
Project: North Bell Lake Unit 4 #015		Attention: Wescom Inc		Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA	
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E 203065		21022-0001					x				
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method										RCRA	
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211												State	
Phone: 505-382-1211		Email: ashley.giovengo@wescominc.com												NM	
Email: ashley.giovengo@wescominc.com														x	
Report due by:														Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:06	3/7/22	Soil	1 Jar	CONF31 - 0'	11							X		
12:10	3/7/22	Soil	1 Jar	CONF32 - 0'	12							X		
12:14	3/7/22	Soil	1 Jar	CONF33 - 0'	13							X		
12:17	3/7/22	Soil	1 Jar	CONF34 - 0'	14							X		
12:18	3/7/22	Soil	1 Jar	CONF35 - 0'	15							X		
12:28	3/7/22	Soil	1 Jar	CONF36 - 0'	16							X		
12:33	3/7/22	Soil	1 Jar	CONF37 - 0'	17							X		
12:37	3/7/22	Soil	1 Jar	CONF38 - 0'	18							X		
												X		
												X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

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Relinquished by: (Signature) <i>[Signature]</i>		Date: 3-9-22	Time: 11:24	Received by: (Signature) <i>[Signature]</i>		Date: 3-9-22	Time: 11:24	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>			
Relinquished by: (Signature) <i>[Signature]</i>		Date: 3-9-22	Time: 14:30	Received by: (Signature) <i>[Signature]</i>		Date: 3-10-22	Time: 10:30				
Relinquished by: (Signature) <i>[Signature]</i>		Date:	Time:	Received by: (Signature) <i>[Signature]</i>		Date:	Time:				

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Envirotech Analytical Laboratory

Printed: 3/10/2022 12:52:14PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Kaiser Francis Oil Company	Date Received: 03/10/22 10:30	Work Order ID: E203065
Phone: (505) 382-1211	Date Logged In: 03/10/22 11:29	Logged In By: Alexa Michaels
Email: ashley.giovengo@wescominc.com	Due Date: 03/16/22 17:00 (4 day TAT)	

Chain 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
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the 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 the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the 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 non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are 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

Comments/Resolution

Project has been separated into 2 reports due to amount of samples. Workorders are as follows:
 E203065 COC page 3&4 of 4, E203066 COC page 1&2 of 4.

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

PO: 32471

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only		TAT			EPA Program												
Project: North Bell Lake Unit 4 #015		Attention: Wescom Inc		Lab WO#		1D	2D	3D	Standard	CWA	SDWA										
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E 203065		2022-0001		x													
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method																	
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX										
Email: ashley.giovengo@wescominc.com		Email: ashley.giovengo@wescominc.com		State																	
Report due by:				<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> <td>TX</td> </tr> <tr> <td>x</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>								NM	CO	UT	AZ	TX	x				
NM	CO	UT	AZ	TX																	
x																					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
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11:34	3/7/22	Soil	1 Jar	CONF24 - 0'	4							X		
11:37	3/7/22	Soil	1 Jar	CONF25 - 0'	5							X		
11:42	3/7/22	Soil	1 Jar	CONF26 - 0'	6							X		
11:48	3/7/22	Soil	1 Jar	CONF27 - 0'	7							X		
11:56	3/7/22	Soil	1 Jar	CONF28 - 0'	8							X		
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Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature) <i>[Signature]</i>					
Date: 3-9-22		Time: 11:24		Date: 3-9-22		Time: 11:24		Lab Use Only			
Date: 3-9-22		Time: 1430		Date: 3-10-22		Time: 10:30		Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Date:		Time:		Date:		Time:		T1 _____ T2 _____ T3 _____			
Date:		Time:		Date:		Time:		AVG Temp °C 4			

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Client: Kaiser Francis Oil Co		Bill To		Lab Use Only		TAT			EPA Program		
Project: North Bell Lake Unit 4 #015		Attention: Wescom Inc		Lab WO#		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E203065		Job Number		x			
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method						RCRA	
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211								State	
Phone: 505-382-1211		Email: ashley.giovengo@wescominc.com								NM CO UT AZ TX	
Email: ashley.giovengo@wescominc.com										x	
Report due by:										Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
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12:10	3/7/22	Soil	1 Jar	CONF32 - 0'	12							X		
12:14	3/7/22	Soil	1 Jar	CONF33 - 0'	13							X		
12:17	3/7/22	Soil	1 Jar	CONF34 - 0'	14							X		
12:18	3/7/22	Soil	1 Jar	CONF35 - 0'	15							X		
12:28	3/7/22	Soil	1 Jar	CONF36 - 0'	16							X		
12:33	3/7/22	Soil	1 Jar	CONF37 - 0' CONF 37 - 4'	17							X		
12:37	3/7/22	Soil	1 Jar	CONF38 - 0' CONF 38 - 4'	18							X		
				AM 35162								X		
				per Cole								X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>[Signature]</i>	Date 3-9-22	Time 11:24	Received by: (Signature) <i>[Signature]</i>	Date 3-9-22	Time 11:24	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 3-9-22	Time 14:30	Received by: (Signature) <i>[Signature]</i>	Date 3-10-22	Time 10:30	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: NBL Unit 4 #015

Work Order: E203194

Job Number: 21022-0001

Received: 3/31/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/6/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 4/6/22

Ashley Giovengo
1224 Standpipe Rd
Carlsbad, NM 88220

Project Name: NBL Unit 4 #015
Workorder: E203194
Date Received: 3/31/2022 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/31/2022 8:15:00AM, under the Project Name: NBL Unit 4 #015.

The analytical test results summarized in this report with the Project Name: NBL Unit 4 #015 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 regarding 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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 04/06/22 15:37
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF28A - 0'	E203194-01A	Soil	03/29/22	03/31/22	Glass Jar, 4 oz.
CONF30A - 0'	E203194-02A	Soil	03/29/22	03/31/22	Glass Jar, 4 oz.
CONF32B - .5'	E203194-03A	Soil	03/29/22	03/31/22	Glass Jar, 4 oz.



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
---	---	--

CONF28A - 0'

E203194-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Benzene	ND	0.0250	1	04/01/22	04/04/22	
Ethylbenzene	ND	0.0250	1	04/01/22	04/04/22	
Toluene	ND	0.0250	1	04/01/22	04/04/22	
o-Xylene	ND	0.0250	1	04/01/22	04/04/22	
p,m-Xylene	ND	0.0500	1	04/01/22	04/04/22	
Total Xylenes	ND	0.0250	1	04/01/22	04/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.4 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/22	04/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2214081
Diesel Range Organics (C10-C28)	41.0	25.0	1	04/01/22	04/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/04/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	04/01/22	04/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: CS		Batch: 2215003
Chloride	948	100	5	04/04/22	04/05/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
---	---	--

CONF30A - 0'

E203194-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Benzene	ND	0.0250	1	04/01/22	04/04/22	
Ethylbenzene	ND	0.0250	1	04/01/22	04/04/22	
Toluene	ND	0.0250	1	04/01/22	04/04/22	
o-Xylene	ND	0.0250	1	04/01/22	04/04/22	
p,m-Xylene	ND	0.0500	1	04/01/22	04/04/22	
Total Xylenes	ND	0.0250	1	04/01/22	04/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.6 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/22	04/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AK		Batch: 2214081
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: CS		Batch: 2215003
Chloride	1440	20.0	1	04/04/22	04/05/22	



Sample Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
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CONF32B - .5'

E203194-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Benzene	ND	0.0250	1	04/01/22	04/04/22	
Ethylbenzene	ND	0.0250	1	04/01/22	04/04/22	
Toluene	ND	0.0250	1	04/01/22	04/04/22	
o-Xylene	ND	0.0250	1	04/01/22	04/04/22	
p,m-Xylene	ND	0.0500	1	04/01/22	04/04/22	
Total Xylenes	ND	0.0250	1	04/01/22	04/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.5 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2214079
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/01/22	04/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	04/01/22	04/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AK		Batch: 2214081
Diesel Range Organics (C10-C28)	53.2	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	77.2	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>		106 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: CS		Batch: 2215003
Chloride	279	20.0	1	04/04/22	04/06/22	



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214079-BLK1)

Prepared: 04/01/22 Analyzed: 04/02/22

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	7.78		8.00		97.2	70-130			

LCS (2214079-BS1)

Prepared: 04/01/22 Analyzed: 04/02/22

Benzene	4.50	0.0250	5.00		90.1	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
Toluene	4.91	0.0250	5.00		98.2	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.53	0.0500	10.0		95.3	70-130			
Total Xylenes	14.2	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

LCS Dup (2214079-BSD1)

Prepared: 04/01/22 Analyzed: 04/02/22

Benzene	4.66	0.0250	5.00		93.2	70-130	3.34	20	
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130	3.38	20	
Toluene	5.08	0.0250	5.00		102	70-130	3.39	20	
o-Xylene	4.86	0.0250	5.00		97.2	70-130	2.94	20	
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130	3.31	20	
Total Xylenes	14.7	0.0250	15.0		98.1	70-130	3.19	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214079-BLK1)

Prepared: 04/01/22 Analyzed: 04/02/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2214079-BS2)

Prepared: 04/01/22 Analyzed: 04/02/22

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

LCS Dup (2214079-BSD2)

Prepared: 04/01/22 Analyzed: 04/02/22

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.1	70-130	1.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214081-BLK1)

Prepared: 04/01/22 Analyzed: 04/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			

LCS (2214081-BS1)

Prepared: 04/01/22 Analyzed: 04/04/22

Diesel Range Organics (C10-C28)	488	25.0	500		97.7	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike (2214081-MS1)

Source: E203195-04

Prepared: 04/01/22 Analyzed: 04/04/22

Diesel Range Organics (C10-C28)	506	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	52.0		50.0		104	50-200			

Matrix Spike Dup (2214081-MSD1)

Source: E203195-04

Prepared: 04/01/22 Analyzed: 04/04/22

Diesel Range Organics (C10-C28)	509	25.0	500	ND	102	38-132	0.603	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220	Project Name: NBL Unit 4 #015 Project Number: 21022-0001 Project Manager: Ashley Giovengo	Reported: 4/6/2022 3:37:13PM
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Anions by EPA 300.0/9056A

Analyst: CS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2215003-BLK1)

Prepared: 04/04/22 Analyzed: 04/05/22

Chloride ND 20.0

LCS (2215003-BS1)

Prepared: 04/04/22 Analyzed: 04/05/22

Chloride 257 20.0 250 103 90-110

Matrix Spike (2215003-MS1)

Source: E203191-01

Prepared: 04/04/22 Analyzed: 04/05/22

Chloride 26200 2000 250 27600 NR 80-120 M2

Matrix Spike Dup (2215003-MSD1)

Source: E203191-01

Prepared: 04/04/22 Analyzed: 04/05/22

Chloride 24900 2000 250 27600 NR 80-120 4.95 20 M2

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:	NBL Unit 4 #015	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	04/06/22 15:37

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to Imaging: 6/14/2022 10:47:26 AM

P033159

Project Information

Chain of Custody

Client: Kaiser Francis Oil Co		Bill To		Lab Use Only				TAT				EPA Program						
Project: NBL Unit 4 #015		Attention: Wescom Inc		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Ashley Giovengo		Address: 1224 Standpipe Rd		E203194		21022-0001					x							
Address: 1224 Standpipe Rd		City, State, Zip: Carlsbad, NM 88220		Analysis and Method														
City, State, Zip: Carlsbad, NM 88220		Phone: 505-382-1211		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	State				
Phone: 505-382-1211		Email: ashley.giovengo@wescominc.com												NM	CO	UT	AZ	TX
Email: ashley.giovengo@wescominc.com		Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	Remarks
9:50	3/29/22	Soil	1 Jar	CONF28A - 0'	1									X		
9:59	3/29/22	Soil	1 Jar	CONF30A - 0'	2									X		
10:36	3/29/22	Soil	1 Jar	CONF32B - .5'	3									X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) <i>[Signature]</i>			Date 3-29-22			Time 5:20			Received by: (Signature) <i>[Signature]</i>			Date 3/29/22			Time 17:20			Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>		
Relinquished by: (Signature) <i>[Signature]</i>			Date 3/30/22			Time 16:30			Received by: (Signature) <i>[Signature]</i>			Date 			Time 					
Relinquished by: (Signature) <i>[Signature]</i>			Date 			Time 			Received by: (Signature) <i>[Signature]</i>			Date 3/31/22			Time 8:15					

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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.



Received by OCD: 6/10/2022 10:47:32 AM

Page 146 of 156

Envirotech Analytical Laboratory

Printed: 3/31/2022 11:04:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Kaiser Francis Oil Company Date Received: 03/31/22 08:15 Work Order ID: E203194
Phone: (505) 382-1211 Date Logged In: 03/29/22 17:56 Logged In By: Caitlin Christian
Email: ashley.giovengo@wescominc.com Due Date: 04/05/22 17:00 (3 day TAT)

Chain 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the 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 the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the 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 non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? No
Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are 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 Instruction

Empty box for client instruction.

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

Date



envirotech Inc.

ATTACHMENT F

Depth to Water Approval Email



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

NBL Unit 4 #15 SWD | Incident ID: nAPP2116429491

3/17/22, 3:07 PM

Wescom Inc Mail - RE: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949



Ashley Giovengo <ashley.giovengo@wescominc.com>

RE: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

1 message

Aaron Daniels <aarond@kfoc.net>
To: Ashley Giovengo <ashley.giovengo@wescominc.com>
Cc: Charles Lock <CharlesL@kfoc.net>, Shar Harvester <shar.harvester@wescominc.com>

I need to speak to Charles and JP.

Will an answer by the end of business today suffice?

AD

From: Ashley Giovengo <ashley.giovengo@wescominc.com>
Sent: Monday, February 7, 2022 9:05 AM
To: Aaron Daniels <aarond@kfoc.net>
Cc: Charles Lock <CharlesL@kfoc.net>; Shar Harvester <shar.harvester@wescominc.com>
Subject: Re: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Aaron,

Wonderful news! Would you like me to complete the surface scrape on-pad once we complete the off-pad spill remediation?

Thanks,

Ashley Giovengo, Environmental Manager - Permian
O (218) 724-1322 | C (505) 382-1211
WescomInc.com | ashley.giovengo@WescomInc.com
"I am in charge of my own safety."

Minnesota | North Dakota | New Mexico | Wisconsin

On Mon, Feb 7, 2022 at 7:58 AM Aaron Daniels <aarond@kfoc.net> wrote:

Approval in writing for the depth to water.

AD

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Monday, February 7, 2022 8:49 AM
To: Aaron Daniels <aarond@kfoc.net>
Cc: Charles Lock <CharlesL@kfoc.net>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Aaron,

When you turn in your Workplan and/or Closure report please include this email chain information and yes it should be allowed.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us

3/17/22, 3:07 PM

Wescom Inc Mail - RE: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

<http://www.emnrd.state.nm.us/OCD/>



From: Aaron Daniels <aarond@kfoc.net>
Sent: Monday, February 7, 2022 7:37 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Charles Lock <CharlesL@kfoc.net>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Chad – hope you are doing well.

Wanted to ask, instead of assuming....

As you are probably aware, we had an additional produced water release on the North Bell Lake 4-15 SWD location.

You approved this well as depth to water for the referenced spill (nAPP2116429491) in this message. Will this be accepted for the new spill (nAPP2200646019) at the same location?

Thanks,

AD

From: Aaron Daniels
Sent: Tuesday, January 11, 2022 1:19 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Cc: Charles Lock <CharlesL@kfoc.net>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Hey Chad,

Wanted to provide you with some information based on our last conversation.

The water well information I spoke to you about is attached, and was utilized for the release numbered nAPP2107043534 (NBL 4-15 SWD Produced Water Line).

It is ~0.66 miles from the 4-15 pad, on down the lease road to the East. See the screenshot below illustrating this. Let me know if you need more information from me.

I appreciate your consideration. Good luck today!

Home ▾ KAISER FRANCIS MAP

Details | Edit | Basemap

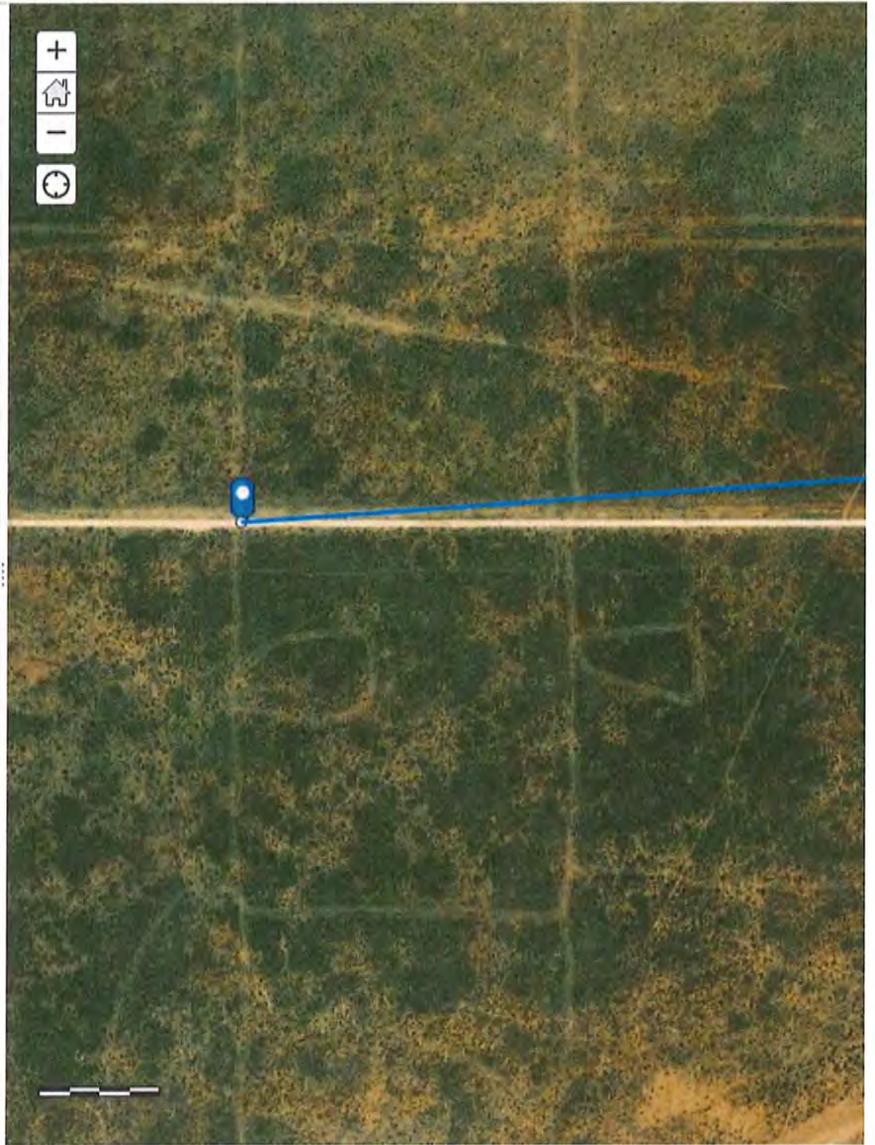
Shar

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- ARKANSAS PIPELINES
- ARKANSAS WELLS
- COLORADO PIPELINES
- COLORADO WELLS
- KANSAS WELLS
- LOUISIANA PIPELINES
- LOUISIANA WELLS
- NEW MEXICO PIPELINES
- NEW MEXICO WELLS
- NORTH DAKOTA WELLS
- OKLAHOMA COMPRESSOR STATIONS
- OKLAHOMA PIPELINES
- OKLAHOMA WELLS
- TEXAS PIPELINES
- TEXAS WELLS

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From: Aaron Daniels
 Sent: Monday, January 10, 2022 3:54 PM
 To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
 Cc: Charles Lock <CharlesL@kfoc.net>
 Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Chad,

Hope you had a good weekend.

Wanted to check in and see if you received any feedback from Mike on the water depth for this project.

Thanks,

AD

From: Aaron Daniels
 Sent: Wednesday, December 29, 2021 12:54 PM
 To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

3/17/22, 3:07 PM

Wescom Inc Mail - RE: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Cc: Charles Lock <CharlesL@kfoc.net>

Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

Chad,

Would you have time to discuss this next week sometime?

Let me know your availability.

Thanks,

Aaron Daniels

Sr. EHS Representative

Kaiser-Francis Oil Company

918-491-4352

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>

Sent: Wednesday, December 29, 2021 12:28 PM

To: Aaron Daniels <aarond@kfoc.net>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 64949

To whom it may concern (c/o Aaron Daniels for KAISER-FRANCIS OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2116429491, for the following reasons:

- The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ r submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to g
- RECLAMATION did not meet the requirements of 19.15.29.13 NMAC. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen i

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 64949.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,

Chad Hensley

Environmental Science & Specialist

575-703-1723

Chad.Hensley@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

ATTACHMENT G

48-Hour Confirmation Sample Notification Email



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

North Bell Lake Unit 4 #15 SWD | Incident ID: nAPP2200646019

From: cole.burton@wescominc.com
To: [Bratcher, Mike, EMNRD](#); [Hensley, Chad, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Venegas, Victoria, EMNRD](#)
Cc: [Shar Harvester](#); ashley.giovengo@wescominc.com; [Joey Croce](#); [Cody York](#)
Subject: 48-Hour Confirmation Sample Notice - North Bell Lake Unit 4 #015 (nAPP2200646019)
Date: Thursday, March 24, 2022 3:27:36 PM

Hello All,

We intend to take confirmation samples at North Bell Lake Unit 4 #015 – nAPP2200646019 starting on (3/29/22).

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

Thanks,

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

From: [Ashley Giovengo](#)
To: [Velez, Nelson, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Hensley, Chad, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Bratcher, Mike, EMNRD](#)
Cc: [Shar Harvester](#); [Cole Burton](#); [Aaron Daniels](#)
Subject: 48-hour Confirmation Sampling Notification - North Bell Lake 4 #15 SWD (nAPP2200646019)
Date: Friday, March 4, 2022 6:55:37 AM

Hello All,

We intend to take confirmation samples at the North Bell Lake 4 #15 SWD #002H - nAPP2200646019 starting on (03/07/22).

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

Thanks,

Ashley Giovengo, Environmental Manager - Permian
O (218) 724-1322 | C (505) 382-1211
WescomInc.com | ashley.giovengo@WescomInc.com
"I am in charge of my own safety."



Minnesota | North Dakota | New Mexico | Wisconsin

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

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

CONDITIONS

Action 115838

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 115838
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	6/14/2022