Form C-141 Page 5 State of New Mexico Oil Conservation Division

Incident ID	nAPP2128846984
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.						
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)						
Deferral Requests Only: Each of the following items must be conf	irmed as part of any request for deferral of remediation					
Contamination must be in areas immediately under or around prodeconstruction.						
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.					
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 Namer Hutton Andrew	Title: EHS Representative					
Signature:	Date: <u>09/12/2022</u>					
email: huttona@kfoc.net	Telephone: 918-491-4615					
OCD Only						
Received by:	Date:09/13/2022					
Approved	Approval Denied X Deferral Approved					
Signature: Robert Hamlet Date: 12/12/2022						



DEFERRAL REQUEST

KAISER-FRANCIS OIL COMPANY

Created for submission to New Mexico Oil Conservation Division on 09/13/2022

ASHLEY GIOVENGO Project Environmental Scientist

ENERGIZING AMERICA

September 13, 2022

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: DEFERRAL REQUEST

COMPANY Kaiser-Francis Oil Company

LOCATION Mosaic Federal 2419 WA #002H

API 30-015-47647

PLSS Unit D Sec 24 T23S R28E

GPS 32.2953145, -104.0491501

INCIDENT ID nAPP2128846984

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Deferral Request on behalf of Kaiser-Francis Oil Company, hereafter referred to as KFOC, regarding the release at the Mosaic Federal 2419 WA #002H (Site) located in Unit D, Section 24, Township 23 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.2953145 and West -104.0491501. Surface owner of the Site is Mosaic Potash Inc. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 1 Hobbs.

On October 13, 2021, a storage container caught fire during hydraulic fracturing operations. This fire resulted in the release of approximately 50 gallons of Permalube Grease onto the caliche pad. An estimated 40 gallons of Permalube Grease was recovered. The spill impacted 10,335 square feet (sq. ft) of the caliche pad on the West side of the wellheads (see Figure 1).

Wescom personnel arrived onsite on November 01, 2021, to complete horizontal and vertical delineation of the on-pad spill area. Extension requests were submitted to the NMOCD and approved on January 21, and March 8, 2022, due to the presence of flowback equipment in the spill area. The wells were temporarily shutin to move flowback equipment to the East side of the wellheads. Remediation of the on-pad spill area began on August 29, 2022 and was completed on September 06, 2022. Confirmation samples were collected every 200 sq. ft, and contaminated soil was hauled to an approved disposal facility.

Removal of impacted soils surrounding the wellheads could not be achieved without the deconstruction of production equipment or without compromising the safety of personnel completing the excavation. The remaining contaminated soils do not pose imminent risk to human health, safety, or the environment therefore, KFOC respectfully requests deferral for the removal of soils surrounding the wellheads and other necessary production equipment until the Site is abandoned and the facilities are removed.

SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is 31 feet below ground surface (bgs) and is 0.21 miles East of the Site. No playas or lakes are located within a one-mile radius of this Site (Attachment C).

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within medium 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. This Site is in the medium karst potential zone and therefore, the applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX), 100 ppm Total Petroleum Hydrocarbons (TPH) and chloride concentrations at or below 600 mg/kg (ppm).

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Mosaic Federal 2419 WA #002H — 32.295479, -104.049151						
Depth to Groundwater		Clo	osure Criteria	(unites in mg	/kg)	
		Chloride * numberical				
		limit or background,				
		whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
No water data within 0.5 mile radius	_	600	100		50	10
less than 50 ft bgs	31 ft	600	100	1000	50	10
51 ft to 100 ft bgs greater than 100 ft bgs		10000 20000	2500 2500	1000 1000	50 50	10 10
Surface Water	Yes or No	20000		s, then	30	10
< 300 feet from continuously flowing watercourse or other			, .]		I
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	No					
watering purposes?						
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school,	No					
hospital, institution or church?	NO					
Within incorporated municipal boundaries or within a	No					
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 November 01, 2021, KFOC contracted Wescom to complete delineation of the on-pad spill area. Due to the presence of flowback equipment and spill liners on location, Wescom was unable to complete delineation sampling. Wescom personnel returned to the site on September 06, 2022, to complete horizontal delineation sampling on the East and South sides of the spill area as shown in Figure 1. A total of eight samples were jarred and sent to Envirotech, Inc, for laboratory analysis and all samples were below the applicable RRALs for the Site except SS07; SS07 is located between the wellheads and the flowback equipment.

RRAL exceedances at sample location SS07 can be explained as localized surface contamination from moving flowback equipment around onsite. 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. A background sample, BG01, was collected 50 feet to the Southeast of the caliche pad, as shown in Figure 1.

REMEDIATION ACTIVITES

Beginning on August 29, 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 1100 cubic yards of contaminated soil from the on-pad spill area. A total of 51 composite confirmation samples were collected

over the five-day sampling and excavation period. All the confirmation samples were below the applicable RRALs for the Site (see Table 2) excepting sample CONF52 Wall, which is within the area of requested deferral.

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.

A variance request on confirmation sampling notification emails was sent to Bradford Billings, Mike Bratcher, Robert Hamlet, Jennifer Nobui, and Nelson Velez, with the NMOCD in Santa Fe, New Mexico on August 30, 2022, and was approved by Mike Bratcher on the same day; the variance request is included in Attachment G.

REQUEST FOR DEFERRAL

On behalf of KFOC, Wescom requests to defer approximately 300 cubic yards of contaminated soil around the wellheads and associated production equipment. Deferral request is for area indicated on Figure 2 until the Mosaic Federal 2419 WA #002H Site is abandoned and reclamation activities commence based on the logic below.

- Due to the location of the contaminated soil surrounding the wellheads, it is not practical to remove for remediation. The wellheads are currently in production and would require shutting in for an extended period to remove substrate. Area of requested deferral is shown in Figure 2.
- The on-pad spill area has been horizontally and vertically delineated.
- Accessible impacted material was removed and properly disposed of at an approved facility.
- All confirmation areas and samples, outside the area of requested deferral, are below applicable RRALs for the Site.

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

Sincerely,

Wescom, Inc.

Ashley Giovengo

Project Environmental Scientist

cc: Aaron Daniels, Kaiser-Francis Oil Company

Hutton Andrew, Kaiser-Francis Oil Company

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. Extension Requests

ATTACHMENT G. Confirmation Sampling Variance Request

FIGURES

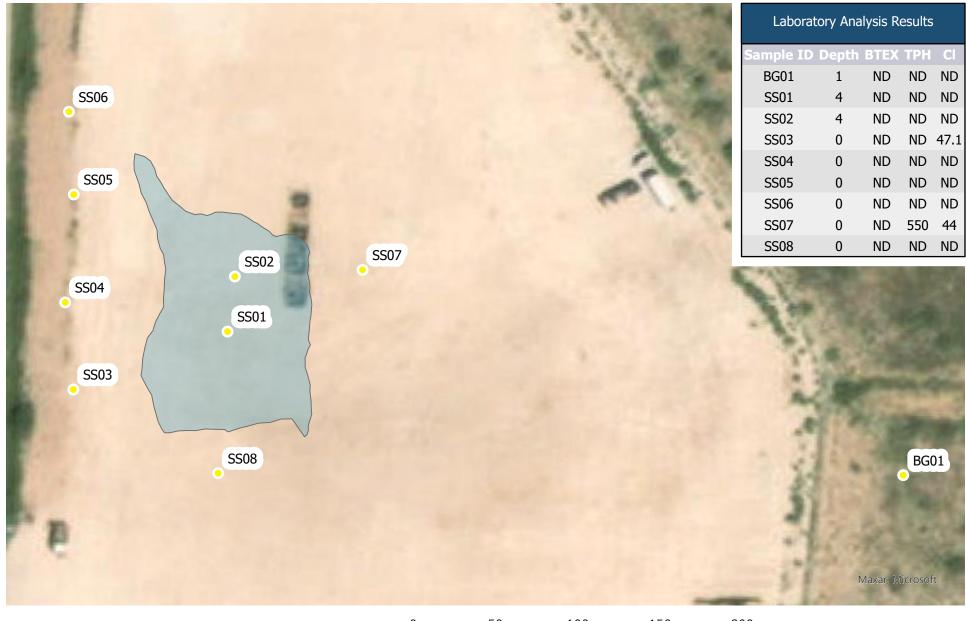


FIGURE 1. DELINEATION SAMPLING

Mosaic Federal 2419 WA #002H Incident ID: nAPP2128846984

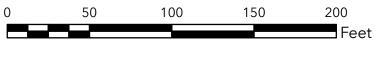
API: 30-015-47647

GPS Coordinates: 32.2953145, -104.0491501

Eddy County, New Mexico

Released to Imaging: 12/12/2022 10:59:44 AM





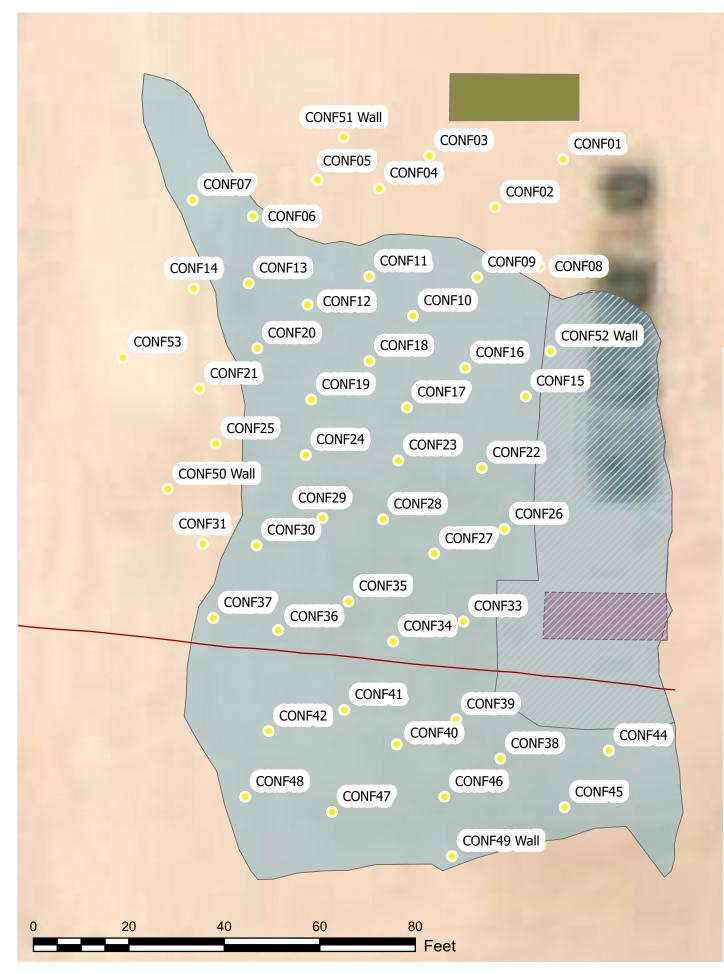
LEGEND

Delineation Sample Points





Received by OCD: 9/13/2022 2:38:07 PM



Laboratory Analysis Results ample ID Depth BTEX TPH Cl ND ND 404 CONF27 0.5 ND ND 252 CONF01 2 CONF02 1.5 ND ND 261 CONF28 0.5 ND 103.8 419 ND 280 ND CONF03 1.5 ND CONF29 1.5 ND 382 CONF04 1.5 ND ND 67.3 CONF30 2 ND ND 397 1.5 ND ND 151 CONF31 1.5 ND ND CONF05 411 249 ND CONF06 1.5 ND ND CONF33 0.5 ND 439 CONF07 4 ND ND ND CONF34 1 ND ND 345 ND 463 ND ND CONF08 2.5 ND CONF35 145 ND ND CONF09 2 ND 121 CONF36 ND 574 1.5 ND 444 ND ND CONF10 ND CONF37 531 CONF11 1.5 ND ND 119 CONF38 1.5 ND ND ND ND CONF12 2.5 ND ND CONF39 1.5 ND 451 2.5 ND ND CONF₄0 1.5 ND ND CONF13 ND 371 ND 23 ND CONF14 2.5 ND CONF41 ND 506 CONF15 2.5 ND 184 CONF42 ND ND 469 ND 1 2 ND ND 1.5 ND ND CONF16 ND CONF44 131 CONF17 2 ND ND ND CONF45 1.5 ND ND 204 2 CONF46 2 ND CONF18 ND ND ND ND 364 ND CONF19 2 ND ND ND CONF47 2 ND 242 2 ND 151 CONF48 1.5 ND ND CONF20 ND 138 2.5 ND ND 337 CONF21 ND ND CONF49 Wall 1.5 ND 2.5 ND ND 297 CONF50 Wall ND ND CONF22 159 2.5 ND ND 25.3 63.9 CONF23 ND ND CONF51 Wall CONF24 2.5 ND ND ND CONF52 Wall ND 43.1 1520 ND ND 427 CONF25 2.5 ND ND ND CONF53 CONF26 0.5 ND 31.9 154

FIGURE 2. CONFIRMATION SAMPLING

Mosaic Federal 2419 WA #002H Incident ID: nAPP2128846984 API: 30-015-47647 GPS Coordinates: 32.2953145, -104.0491501 Eddy County, New Mexico Kaiser-Francis Oil Company

LEGEND

- Confirmation Sample Locations
- —— Solar Panel Electric Line
- Area of Requested Deferral
- Solar Panels
- Spill Area
- Chemical Tanks





TABLES

Mosaic Federal 2419 WA #002H nAPP2128846984								
	Kaiser-Francis Oil Company 09.13.2022							
Table	e 1. Labor	atory Ana	alysis Re	sults: D	elineation San	nples		
Sam	ple Descrip	tion	Petr	oleum H	ydrocarbons	Inorganic		
			Vola	tile	Extractable			
				BTEX				
			Benzene	(total)	TPH	Chloride		
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)		
Clo	sure Criter	ia	10	50	100	600		
BG01	0	11/1/2022	ND	ND	ND	ND		
BG01	1	11/1/2022	ND	ND	ND	ND		
SS01	4	11/1/2022	ND	ND	ND	ND		
SS02	4	11/1/2022	ND	ND	ND	ND		
SS03	0	11/1/2022	ND	ND	111.2	126		
SS03C	0	9/8/2022	ND	ND	ND	47.1		
SS04	0	11/1/2022	ND	ND	94.5	ND		
SS05	0	11/1/2022	ND	ND	80	53.5		
SS06	0	11/1/2022	ND	ND	ND	ND		
SS07	0	9/6/2022	ND	ND	550	47		
SS08	0	9/6/2022	ND	ND	ND	130		
ABBREVIAT	IONS							
BTEX — Benzei	ne, Toluene, Eth	nylene, Xylene		GRO — Gas	soline Range Organics			
DRO — Diesel	Range Organics	5		ND — Non-	-detect			
ft. — Feet	ft. — Feet mg/kg — Milligrams per Kilogram							
TPH — Total Petroleum Hydrocarbons								
Notes								
Bold Red - Res	ults are above	closure criteria	<u> </u>					
Gray Highlight	- Background S	amples						

Mosaic	Mosaic Federal 2419 WA #002H nAPP2128846984					
	Kaiser-Fı	rancis Oil	Compa	ny 09.	13.2022	
Table 2. I	Laborator	y Analysi	s Result	s: Confi	rmation Sa	mples
Samp	le Descriptio	on	Petrole	eum Hyd	rocarbons	Inorganic
			Vola	tile	Extractable	
				BTEX		
			Benzene	(total)	TPH	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
Clos	ure Criteria		10	50	100	600
CONF01	2	8/30/2022	ND	ND	ND	404
CONF02	1.5	8/30/2022	ND	ND	ND	261
CONF03	1.5	8/30/2022	ND	ND	ND	280
CONF04	1.5	8/30/2022	ND	ND	ND	67.3
CONF05	1.5	8/30/2022	ND	ND	ND	151
CONF06	1.5	8/30/2022	ND	ND	ND	249
CONF07	3	8/30/2022	ND	ND	ND	941
CONF07	4	9/2/2022	ND	ND	ND	ND
CONF08	2.5	8/30/2022	ND	ND	ND	463
CONF09	2	8/30/2022	ND	ND	ND	121
CONF10	1.5	8/30/2022	ND	ND	ND	444
CONF11	1.5	8/30/2022	ND	ND	ND	119
CONF12	2.5	8/30/2022	ND	ND	ND	ND
CONF13	2.5	8/30/2022	ND	ND	ND	ND
CONF14	2.5	8/30/2022	ND	ND	ND	23
CONF15	2.5	9/1/2022	ND	ND	ND	184
CONF16	2	9/1/2022	ND	ND	ND	ND
CONF17	2	9/1/2022	ND	ND	ND	ND
CONF18	2	9/1/2022	ND	ND	ND	ND
CONF19	2	9/1/2022	ND	ND	ND	ND
CONF20	2	9/1/2022	ND	ND	ND	151
CONF21	2.5	9/1/2022	ND	ND	ND	ND
CONF22	2.5	9/1/2022	ND	ND	ND	297
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 Petrol	TPH — Total Petroleum Hydrocarbons					
Notes						
	Bold Red - Results are above closure criteria					
Gray Highlight - Background Samples						

Mosaic	Federal	2419 W	A #002	H nA	PP212884	6984
	Kaiser-Francis Oil Company 09.13.2022					
Table 2. I	Table 2. Laboratory Analysis Results: Confirmation Samples					
Samp	le Descriptio	on	Petrole	eum Hyd	rocarbons	Inorganic
			Vola	Volatile		
				BTEX		
			Benzene	(total)	TPH	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
Clos	ure Criteria		10	50	100	600
CONF23	2.5	9/1/2022	ND	ND	ND	ND
CONF24	2.5	9/1/2022	ND	ND	ND	ND
CONF25	2.5	9/1/2022	ND	ND	ND	ND
CONF26	0.5	9/2/2022	ND	ND	31.9	154
CONF27	0.5	9/2/2022	ND	ND	ND	252
CONF28	0.5	9/2/2022	ND	ND	ND	419
CONF29	1.5	9/2/2022	ND	ND	ND	382
CONF30	2	9/2/2022	ND	ND	ND	397
CONF31	1.5	9/2/2022	ND	ND	ND	411
CONF33	0.5	9/2/2022	ND	ND	ND	439
CONF34	1	9/6/2022	ND	ND	ND	345
CONF35	1	9/6/2022	ND	ND	ND	145
CONF36	1	9/2/2022	ND	ND	ND	574
CONF37	1	9/2/2022	ND	ND	ND	531
CONF38	1.5	9/6/2022	ND	ND	ND	ND
CONF39	1.5	9/6/2022	ND	ND	ND	451
CONF40	1.5	9/6/2022	ND	ND	ND	371
CONF41	1	9/2/2022	ND	ND	ND	506
CONF42	1	9/2/2022	ND	ND	ND	469
CONF44	1.5	9/6/2022	ND	ND	ND	131
CONF45	1.5	9/6/2022	ND	ND	ND	204
CONF46	2	9/6/2022	ND	ND	ND	364
CONF47	2	9/6/2022	ND	ND	ND	242
ABBREVIATION	NS					
BTEX — Benzene, 1	Γoluene, Ethyler	ne, Xylene		GRO — Ga	soline Range Orga	anics
DRO — Diesel Ran	DRO — Diesel Range Organics ND — Non-detect					
ft. — Feet mg/kg — Milligrams per Kilogram						
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Results	are above closu	ure criteria				

Gray Highlight - Background Samples

Mosaic	Federal	2419 W	A #002	H l nA	PP212884	6984
Kaiser-Francis Oil Company 09.13.2022						
Table 2. I					rmation Sa	mples
Sampl	le Descriptio	on	Petrole	eum Hyd	rocarbons	Inorganic
			Vola	tile	Extractable	
				BTEX		
			Benzene	(total)	TPH	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
Clos	ure Criteria		10	50	100	600
CONF48	1.5	9/6/2022	ND	ND	ND	138
CONF49 Wall	1.5	9/6/2022	ND	ND	ND	337
CONF50 Wall	1	9/6/2022	ND	ND	ND	159
CONF51 Wall	1	9/6/2022	ND	ND	25.3	63.9
CONF52 Wall	1	9/6/2022	ND	ND	43.1	1520
CONF53	0	9/6/2022	ND	ND	ND	427
ABBREVIATION	NS					
BTEX — Benzene, T	oluene, Ethyler	ne, Xylene		GRO — Ga	soline Range Orga	anics
DRO — Diesel Rang	DRO — Diesel Range Organics ND — Non-detect					
ft. — Feet mg/kg — Milligrams per Kilogram					gram	
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Results	are above closu	ıre criteria			<u> </u>	

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	nAPP2128846984
District RP	
Facility ID	
Application ID	

Release Notification

			Res	ponsible Pa	rty			
Responsible Party: Kaiser-Francis Oil Company OGR				OGRII	1236/			
Contact Name: Aaron Daniels					t Telephone: 918-491-4352			
Contact emai	il: aarond@l	cfoc.net		Incide	tt # (assigned by OCD) nAPP2128846984			
Contact mail	ing address:	6733 S. Yale, Tul	sa, OK 74136	I				
			Location	of Release	Source			
Latitude 32.2	953145	Longitude -10		ecimal degrees to 5 c	lecimal places)			
Site Name: M	Iosaic Feder	al 2419 WA #002	H	Site Ty	pe: Well Pad			
Date Release Discovered: 10/13/2021				API# (i	API# (if applicable) 30-015-47647			
Unit Letter	Section	Township	Range		ounty			
D	24	23S	28E	Eddy				
Surface Owne	r:	Federal Tr	ribal Private (Name: Mosaic i	Potash Inc.)			
	🗀 =====			·	*			
			Nature an	d Volume o	f Release			
				h calculations or spe	cific justification for the volumes provided below)			
Crude Oil	1	Volume Release	d (bbls)		Volume Recovered (bbls)			
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)			
	Is the concentration of dissolved chloride produced water >10,000 mg/l?			chloride in the	☐ Yes ☐ No			
Condensa	ite	Volume Released (bbls)			Volume Recovered (bbls)			
☐ Natural Gas Volume Released (Mcf)			ed (Mcf)		Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units) Permalube Grease ~50 Gallons				de units)	Volume/Weight Recovered (provide units) ~40 Gallons			
Cause of Rel	ease							

Fire initiated at 6:42pm MDT during frac operations. Fuel source and ignition source is still under investigation. Eddy County Fire responded and extinguished by 8:14pm. No injuries. No loss of well control. Permalube Grease was released onto location from a small building on pad impacted by the fire. Release estimate is based on storage capacity. Location was shoveled. Expectations are of a full

recovery in that manner, along with whatever was consumed in the fire (estimated recovery also).

Oil Conservation Division

ronn	C-15
Page 2	

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Was this a major release as defined by 19.15.29.7(A) NMAC? ✓ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Fire
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? after event occurred by Aaron Daniels via OCD Online. Did not check Immediate Notification on NOR due to
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.
_/	is been secured to protect human health and the environment.
_/ -	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions describe	d above have not been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environ failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have gate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In fa C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Aaron Da	niels Title: Şr. EHS Representative
Signature.	5 Date: 10/25/21
email: aarond@kfoc.net	Telephone: 918-491-4352
OCD Only	
Received by:	Date:
Account by	Date.

State of New Mexico

Incident ID	nAPP2128846984
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?	31 (ft bgs)							
Did this release impact groundwater or surface water?	☐ Yes ⊠ No							
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?								
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?								
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No							
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No							
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No							
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?								
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No							
Are the lateral extents of the release overlying a subsurface mine?								
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No							
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No							
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No							
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil							
Characterization Report Checklist: Each of the following items must be included in the report.								
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well \infty Field data 	ls.							
Data table of soil contaminant concentration data								
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release								
 ☑ Boring or excavation logs ☑ Photographs including date and GIS information 								
Topographic/Aerial mans								

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.

Laboratory data including chain of custody

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	nAPP2128846984
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

Form C-141 Page 5 State of New Mexico Oil Conservation Division

Remediation Plan Checklist: Each of the following items must be included in the plan.

Incident ID	nAPP2128846984
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)											
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.											
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.											
Extents of contamination must be fully delineated.											
☑ Contamination does not cause an imminent risk to human health,	the environment, or groundwater.										
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate a surface water, human health or the environment. In addition, OCD acresponsibility for compliance with any other federal, state, or local law Printed Names Hutton Andrew Signature: Signature: Huttona@kfoc.net	rtain release notifications and perform corrective actions for releases be of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, receptance of a C-141 report does not relieve the operator of										
OCD Only											
Received by: Jocelyn Harimon	Date: 09/13/2022										
Approved Approved with Attached Conditions of A	pproval										
Signature: Da	Date:										

ATTACHMENT B

Site Photos



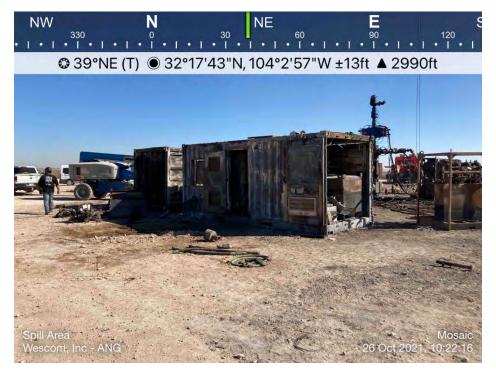
Spill Area



Spill Area



Spill Area



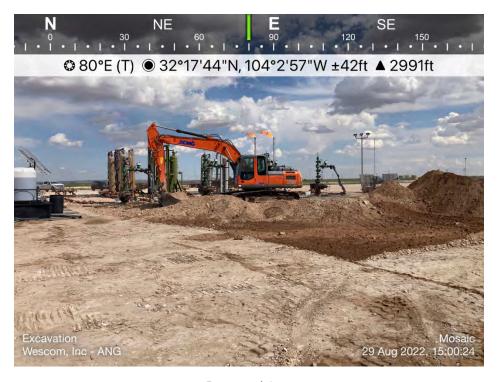
Spill Area



Delineation Sampling



Delineation Sampling



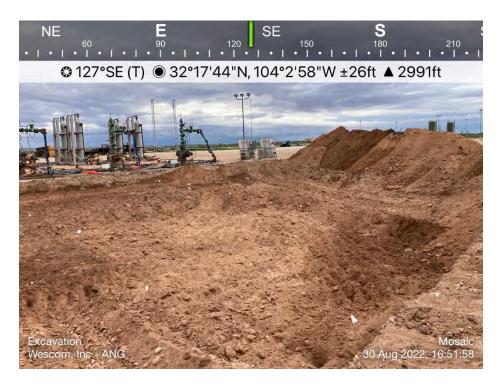
Excavated Area



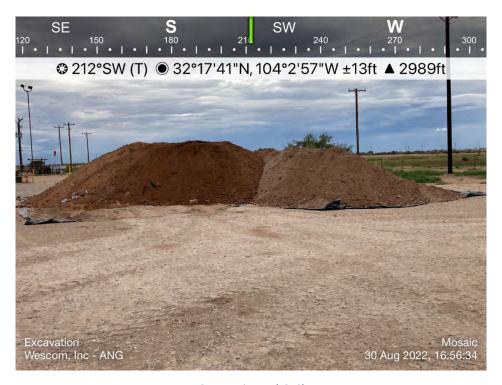
Contaminated Soil



Excavated Area



Excavated Area and Confirmation Sampling



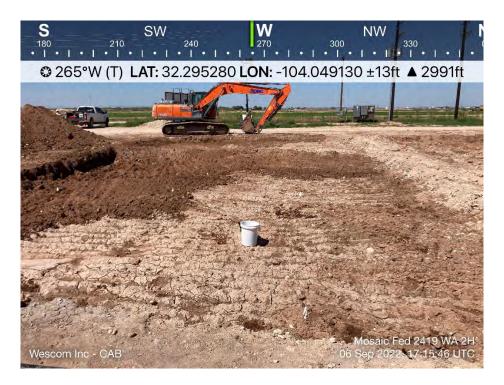
Contaminated Soil



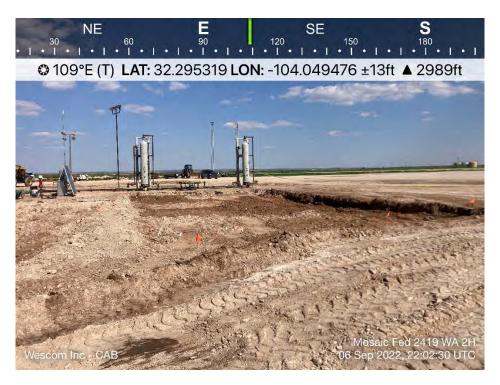
Excavated Area



Removal of Contaminated Soil



Excavated Area and Confirmation Sampling



Excavated Area and Confirmation Sampling

ATTACHMENT C

Closure Criteria Supporting Documents



New Mexico Office of the State Engineer

Wells with Well Log Information

(A CLW#### in the POD suffix indicates the POD has been replaced

(R=POD has been replaced, O=orphaned,

& no longer serves a	O=orpn C=the f		(quar	ters are 1=			,					(1.6.)					
water right	closed)			(quarters			largest)	(NAD8	3 UTM in meters)			(in fee	et)			
POD Number	Code	POD Subbasin	County	Source	q q q 64164		Tws Rng	X	Y	Distance Start Date	Finish Date	Log File Date	Depth Well	Depth Water Driller	License Number		
C 03965 POD5		CUB	ED	Shallow	4 1 1	24	23S 28E	589864	3573534	342 07/18/2016	07/18/2016	08/18/2016	35	31 BRYAN, EDWARD	1711		
C 04556 POD1		CUB	ED	Shallow	4 3 1	24	23S 28E	589720	3573237	397 08/17/2021	08/17/2021	09/23/2021	40	36 COOPER, KENNY.EE.NER	1731		
C 03965 POD4		CUB	ED	Shallow	1 4	24	23S 28E	589918	3573381	442 07/18/2016	07/18/2016	08/18/2016	40	31 BRYAN, EDWARD	1711		
C 04556 POD2		CUB	ED	Shallow	4 3 1	24	23S 28E	589891	3573239	502 07/17/2021	08/17/2021	09/23/2021	40	36 COOPER, KENNY.EE.NER	1731		
<u>C 03146</u>		C	ED	Shallow	1 1 3	24	23S 28E	589613	3572970*	621 02/14/2005	02/15/2005	03/21/2005	82	36	1348		
<u>C 01102</u>		C	ED	Shallow	1 2	23	23S 28E	588901	3573672*	630 12/10/1962	12/21/1962	01/30/1963	100	12 MORELAND, A.J.	113		
C 04490 POD2		CUB	ED	Shallow	2 3 3	13	23S 28E	589899	3574259	770 11/18/2020	11/19/2020	12/21/2020	23	19 SHAWN CAIN	1664		
<u>C 01217</u>		CUB	ED	Shallow	4 1 3	13	23S 28E	589789	3574371	829 08/07/1964	08/11/1964	09/15/1964	87	50 W.H. BRADY	359		
<u>C 00154</u>		CUB	ED	Shallow	4 2 1	23	23S 28E	588595	3573566*	930 08/15/1974	08/20/1974	02/11/1975	196	38 HOWARD P. HEMLER	24		
<u>C 01215</u>		CUB	ED	Shallow	4 2 3	13	23S 28E	590210	3574397*	1062 08/03/1964	08/04/1964	09/15/1964	104	15 W.H. BRADY	359		
C 04490 POD3		CUB	ED	Shallow	4 1 2	24	23S 28E	590596	3573502	1074 11/20/2020	11/21/2020	12/21/2020	37	33 SHAWN CAIN	1664		
<u>C 01967</u>		C	ED	Shallow	2 3	13	23S 28E	590111	3574498*	1084 06/22/1981	07/15/1981	08/04/1981	264	200	592		
C 04556 POD3		CUB	ED	Shallow	4 3 1	24	23S 28E	590567	3573265	1089 08/17/2021	08/17/2021	09/23/2021	40	36 COOPER, KENNY.EE.NER	1731		
<u>C 01214</u>		CUB	ED	Shallow	1 2 3	13	23S 28E	590010	3574597*	1122 08/01/1964	08/02/1964	11/02/1964	70	20 W.H. BRADY	359		
<u>C 01108</u>		C	ED	Shallow	3 2 1	23	23S 28E	588395	3573566*	1130 06/20/1967	12/31/1930	07/06/1967	60	35 BARRON, EMMETT	30		
<u>C 01816</u>		C	ED	Shallow	1 3 1	23	23S 28E	587992	3573355*	1550 07/12/1979	07/27/1979	08/01/1979	200	40 BRISTOW, JIM D.	743		
C 03460 POD1		CUB	ED	Shallow	3 1 2	14	23S 28E	588857	3575004	1568 10/08/2010	10/08/2010	10/13/2010	100	38 NORRIS, JOHN D. (LD)	1682		
<u>C 00048</u>		CUB	ED	Shallow	3 3 1	23	23S 28E	587997	3573160	1586 09/01/1976	09/27/1976	09/28/1976	182	75 H. HEMLER	24		
<u>C 00048</u>	C	CUB	ED	Shallow	3 3 1	23	23S 28E	587997	3573160	1586 09/01/1976	09/27/1976	09/28/1976	182	75 H. HEMLER	24		
<u>C 01443</u>		C	ED	Shallow	2 1	25	23S 28E	590123	3572064*	1634 10/27/1970	11/08/1970	11/17/1970	50	27 BARRON, EMMETT	30		
<u>C 01216</u>		CUB	ED	Shallow	4 1 1	13	23S 28E	589801	3575205*	1643 08/05/1964	08/06/1964	09/15/1964	60	45 W.H. BRADY	359		
<u>C 00136 S</u>		CUB	ED	Shallow	1 1 2	25	23S 28E	590426	3572167*	1679 04/05/1976	08/24/1964	05/28/1976	122	45 HOWARD HEMLER.	24		
C 04584 POD2		CUB	ED	Shallow	4 2 1	13	23S 28E	590250	3575123	1700 12/14/2021	12/15/2021	05/19/2022	34	19 CAIN, SHAWN	1664		
C 04490 POD1		CUB	ED	Shallow	1 4 4	24	23S 28E	590876	3572492	1737 11/16/2020	11/17/2020	12/21/2020	37	N.NJR.L.NER 25 SHAWN CAIN	1664		
C 00869 S-2	О	CUB	ED	Shallow	3 3	23	23S 28E	588097	3572444*	1828 10/10/1974	10/15/1974	11/26/1974	150	58 M.D. BRININSTOOL	24		
C 02189		C	ED	Shallow	1 1 3	14	23S 28E	587985	3574572*	1829 03/12/1990	03/12/1990	04/20/1990	48	29 NORMAN SPRUILL	803		
<u>C 00128</u>		C	ED	Shallow	2 4 4	15	23S 28E	587783	3574162*	1835 12/24/1952	01/10/1953	04/30/1953	149	SMITH, SAM S.	108		

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C 00136	2.00	CUB	ED	Shallow 3 1 2 25 23S 28E	590426	3571967*	1851 06/20/2002	07/09/2002	08/19/2002	200	42 BEHUNIN,KEITH	1227
<u>C 00443</u>		C	ED	Shallow 4 2 4 22 23S 28E	587790	3572745*	1927 01/25/1978	02/09/1978	02/23/1978	171	160 TAYLOR, W.H. SR.	604
<u>C 02702</u>		C	ED	Shallow 2 13 23S 28E	590715	3575108*	1932 05/20/2000	05/20/2000	08/28/2000	38	20	1348
<u>C 00094</u>		CUB	ED	Shallow 3 4 2 22 23S 28E	587588	3573151*	1985 02/03/1965	02/10/1965	03/21/1967	100	60 EMMETT BARRON	30
<u>C 00094</u>	C	CUB	ED	Shallow 3 4 2 22 23S 28E	587588	3573151*	1985 02/03/1965	02/10/1965	03/21/1967	100	60 EMMETT BARRON	30
<u>C 00094 A</u>	C	CUB	ED	Shallow 3 4 2 22 23S 28E	587588	3573151*	1985 07/18/2002		11/04/2002	166	40 BEHUNIN, KEITH	1227
<u>C 02704</u>		C	ED	Shallow 1 19 23S 29E	591531	3573493*	2007 05/18/2000	05/19/2000	08/28/2000	174		1348
<u>C 04584 POD3</u>		CUB	ED	Shallow 3 2 2 13 23S 28E	590887	3575129	2059 12/14/2021	12/15/2021	05/19/2022	31	CAIN, SHAWN N.NJR.L.NER	1664
<u>C 00616</u>		CUB	ED	Shallow 1 3 1 14 23S 28E	587982	3574978*	2079 10/22/1980	12/05/1980	12/09/1980	120	30 BRININSTOOL, M.D.	842
<u>C 01122</u>		CUB	ED	Shallow 1 1 1 26 23S 28E	587999	3572138*	2103 12/04/1964	01/05/1965	02/05/1965	175	30 SAM S. SMITH	108
<u>C 00269</u>		C	ED	Shallow 4 4 2 15 23S 28E	587778	3574773*	2112 03/01/1958	03/30/1958	04/08/1958	240	35 FREEK, R.H.	212
C 00269 CLW199753	O	C	ED	Shallow 4 4 2 15 23S 28E	587778	3574773*	2112 03/01/1958	03/30/1958	04/08/1958	240	35 R.H. FREEK	212
<u>C 02503</u>		C	ED	Shallow 4 2 15 23S 28E	587679	3574874*	2251 08/27/1996	08/29/1996	09/03/1996	70	12 OSBOURN, FLOYD	353
C 01487 CLW201796	O	CUB	ED	Shallow 3 2 22 23S 28E	587284	3573247*	2266 10/26/1974	10/28/1974	12/02/1974	90	MILTON 30 BARRON, EMMETT	30
<u>C 03469 POD1</u>		CUB	ED	Shallow 3 4 3 11 23S 28E	588374	3575538	2267 01/24/2011	01/25/2011	05/20/2011	68	38 SCARBOROUGH, LANE	1188
<u>C 00094 AS</u>	C	CUB	ED	Shallow 1 3 2 22 23S 28E	587183	3573346*	2354 04/23/1976	04/30/1976	05/11/1976	165	(LD) 40 MURRELL ABBOTT	46
C 03001 EXPLORE		CUB	ED	Shallow 1 1 4 25 23S 28E	590430	3571355*	2406 09/10/2003	09/24/2003	10/20/2003	140	HAMMOND, JOHN B.	1227
<u>C 03432 POD1</u>		C	ED	Shallow 1 2 2 27 23S 28E	587527	3572162	2452 10/17/2009	10/25/2009	10/26/2009	115	75 MARK HAMMOND	1400
<u>C 00235</u>		C	ED	Shallow 2 2 15 23S 28E	587676	3575280*	2508 07/21/1950	07/23/1950	01/05/1953	160	KIMMEL, J.F.	153
<u>C 04451 POD1</u>		C	ED	Shallow 4 4 4 10 23S 28E	587833	3575521	2571 09/28/2020	10/01/2020	10/14/2020	120	57 HAMMOND,	1400
<u>C 04584 POD1</u>		CUB	ED	3 1 4 12 23S 28E	590392	3576064	2626 12/16/2021	12/17/2021	05/19/2022	63	MARKDALENAIGENER CAIN, SHAWN	1664
<u>C 01872</u>		C	ED	Shallow 2 1 22 23S 28E	586878	3573649*	2648 04/07/1980	06/12/1980	07/02/1980	68	N.NJR.L.NER 48 MORELAND, A.J.	113
<u>C 01487</u>		CUB	ED	Shallow 3 4 1 22 23S 28E	586779	3573142*	2781 12/07/1977	12/22/1977	01/13/1978	150	38 BILL G. TAYLOR, JR.	655
<u>C 03974 POD1</u>		C	ED	Shallow 2 2 1 27 23S 28E	587087	3572220	2793 08/15/2016	08/16/2016	10/03/2016	75	43 CLINTON E TAYLOR	1348
<u>C 03587 POD2</u>		CUB	ED	Shallow 1 2 4 19 23S 29E	592213	3572706	2827 04/11/2013	04/13/2013	05/07/2013	77	16 TAYLOR, CLINTON E.	1348
<u>C 03535 POD1</u>		C	ED	Shallow 4 3 3 25 23S 28E	589860	3570751	2853 04/06/2012	04/08/2012	04/26/2012	210	(LD) 25 TAYLOR, ROY ALLEN	1626
<u>C 02706</u>		C	ED	Shallow 4 18 23S 29E	592302	3574291*	2865 05/23/2000	05/24/2000	08/28/2000	17	10	1348
<u>C 00315</u>		CUB	ED	Shallow 3 1 3 11 23S 28E	587973	3575995*	2866 06/16/1952	06/20/1952	01/06/1953	100	45 J.F. KIMMELL	
<u>C 01870</u>		C	ED	Shallow 4 3 22 23S 28E	586885	3572432*	2881 07/03/1979	12/06/1979	12/14/1979	105	48 MORELAND, A.J.	113
<u>C 00641</u>		C	ED	Shallow 2 2 1 27 23S 28E	586986	3572126*	2928 03/20/1955	03/22/1955	04/07/1955	115	40 JOLLY, J.R.	171
<u>C 01336</u>		C	ED	Shallow 2 1 1 22 23S 28E	586572	3573744*	2957 09/03/1966	09/20/1966	01/26/1967	190	30 HOWARD HEMLER	24
<u>C 00211</u>		C	ED	Shallow 4 3 3 15 23S 28E	586570	3573949*	2977 06/19/1979	06/20/1979	09/26/1979	89	48 J. W. TOMBLIN	592
<u>C 00024</u>	О	CUB	ED	Shallow 3 22 23S 28E	586682	3572629*	2999 08/17/1979	03/10/1980	04/23/1980	242	48 A. J. MORELAND	113
C 04470 POD1		CUB	ED	3 1 3 07 23S 29E	591280	3576086	3055 09/03/2020	09/03/2020	09/14/2020		ATKINS, JACKIE D.UELENER	1249

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Received by OCD: 9/13/202		CUB	ED	Shallow 2 4 1 11 23S 28E	588499	3576513	3102 04/04/2018	04/04/2018 04/	/18/2018	20	10 ATKINS, JACKIE D.	Page 34 of 199 1249
C 04216 POD1	(CUB	ED	Shallow 2 4 1 11 23S 28E	588488	3576534	3126 04/04/2018	04/04/2018 04/	/18/2018	20	10 ATKINS, JACKIE D.	1249
<u>C 00571</u>	(CUB	ED	Shallow 1 3 3 30 23S 29E	591241	3570957*	3138 07/25/1954	07/30/1954 09/	/14/1954	90	38 EXISTING WELL	171
<u>C 04216 POD3</u>	(CUB	ED	Shallow 1 4 1 11 23S 28E	588501	3576556	3142 04/04/2018	04/04/2018 04/	/18/2018	23	13 ATKINS, JACKIE D.	1249
<u>C 04216 POD2</u>	(CUB	ED	Shallow 1 4 1 11 23S 28E	588465	3576555	3154 04/04/2018	04/04/2018 04/	/18/2018	20	10 ATKINS, JACKIE D.	1249
<u>C 01253</u>	(CUB	ED	Shallow 1 3 1 22 23S 28E	586375	3573338*	3159 05/15/1965	06/04/1965 07/	/09/1965	179	50 BRININSTOOL, A.M.	410
<u>C 00136 A</u>	(CUB	ED	Shallow 4 4 4 25 23S 28E	591037	3570753*	3210 09/25/2003	09/27/2003 10/	/27/2003	100	60 EXISTING WELL	
C 00571 CLW241602	0 0	CUB	ED	Shallow 3 3 3 30 23S 29E	591241	3570757*	3307 07/25/1954	07/30/1954 09/	/14/1954	89	38 J.R. JOLLY	171
<u>C 04418 POD1</u>	(CUB	ED	4 2 1 12 23S 28E	590104	3576851	3316 03/31/2020	03/31/2020 05/	/26/2020	55	MARK MUMBY	1789
C 00512 EXPL	0 0	CUB	ED	Shallow 1 11 23S 28E	588272	3576703*	3360 07/12/1971	07/17/1971 10/	/15/1971	200	16 BRININSTOOL, M.D.	24
<u>C 00340</u>		C	ED	Shallow 1 1 27 23S 28E	586483	3572022*	3420 08/11/1952	08/13/1952 08/	/25/1952	117	18 HOWARD HEMLER	122
<u>C 01885</u>		C	ED	Shallow 2 2 21 23S 28E	586070	3573640*	3455 12/10/1979	12/17/1979 01/	/14/1980	104	35 JIM TOMBLIN	592
<u>C 00512</u>	(CUB	ED	Shallow 4 1 1 11 23S 28E	588188	3576775	3459 05/04/1975	05/20/1975 05/	/11/1976	175	15 BRININSTOOL, M.D.	24
C 03762 POD3	(CUB	ED	Shallow 4 2 2 16 23S 28E	586203	3574642	3486 08/11/2014	08/11/2014 08/	/22/2014	40	30 BLANCO, TIMOTHY	1070
C 03059 EXPLORE	(CUB	ED	Shallow 4 1 3 17 23S 29E	592993	3574378*	3557 04/05/2004	04/06/2004 05/	/05/2004		65 RODNEY D. DUTTON	1184
<u>C 00327</u>	(CUB	ED	Shallow 3 2 4 21 23S 28E	585974	3572728*	3653 06/23/1952	07/10/1952 06/	/12/1954	212	J. F. KIMMELL	
<u>C 00326</u>	(CUB	ED	Shallow 3 3 3 10 23S 28E	586358	3575572*	3739 10/01/1991	10/19/1991 11/	/01/1991	130	19 MIKE CAMPBELL	1259
C 00326 CLW196238	0 (CUB	ED	Shallow 3 3 3 10 23S 28E	586358	3575572*	3739 07/23/1952	08/06/1952 09/	/03/1952	196	25 J.F. KIMMELL	
<u>C 02182</u>		C	ED	Shallow 4 30 23S 29E	592328	3571048*	3780 09/26/1989	09/26/1989 10/	/05/1989	75	30	1184
<u>C 04415 POD9</u>	(CUB	ED	Shallow 4 1 4 04 23S 28E	585714	3572094	4092 07/15/2021	07/16/2021 10/	/05/2021	40	36 071521	1186
<u>C 00716</u>		C	ED	Shallow 21 23S 28E	585471	3573012*	4094 07/25/1956	08/01/1956 08/	/14/1956	140	69 W.C. MOORE	195
<u>C 03732 POD1</u>		C	ED	Shallow 1 3 3 27 23S 28E	586321	3570929	4161 04/12/2014	04/13/2014 08/	/13/2014	171	10 MALEY, JASON	1690
<u>C 01938</u>		C	ED	Shallow 2 4 28 23S 28E	586085	3571205*	4183 01/07/1981	02/01/1981 03/	/11/1981	80	3 WHEELER, RAY	729
<u>C 03762 POD1</u>	(CUB	ED	Shallow 4 4 2 17 23S 28E	585314	3574066	4238 08/11/2014	08/11/2014 08/	/22/2014	40	31 BLANCO, TIMOTHY	1070
<u>C 01472</u>	(CUB	ED	Shallow 2 3 2 28 23S 28E	585730	3571652	4259 06/01/1974	06/28/1974 06/	/22/1976	162	10 J. W. TOMBLIN	592
<u>C 00311</u>		C	ED	Shallow 4 2 1 16 23S 28E	585353	3575152*	4456 06/23/1952	07/05/1952 07/	/17/1952	163	55 HOWARD HEMLER	24
<u>C 00800</u>		C	ED	Shallow 4 2 09 23S 28E	586050	3576479*	4522 11/05/1957	11/10/1957 12/	/09/1957	200	30 WILLARD BEATY	62
<u>C 02705</u>		C	ED	Shallow 2 17 23S 29E	593902	3575093*	4629 05/24/2000	05/26/2000 08/	/28/2000	68	28	1348
C 04560 POD2	(CUB	ED	Shallow 1 3 3 16 23S 28E	584857	3574036	4690 10/26/2021	10/28/2021 11/	/29/2021	36	25 JAROD MICHALSKY	1800
<u>C 03587 POD1</u>	(CUB	ED	Shallow 1 4 3 29 23S 29E	593338	3570754	4747 04/13/2013	04/14/2013 05/	/07/2013	99	44 TAYLOR, CLINTON E.	1348
<u>C 00544</u>		C	ED	Shallow 3 3 1 21 23S 28E	584762	3573120*	4785 11/27/1954	11/28/1954 12/	/13/1954	27	(LD) JOLLY, J.R.	171
<u>C 00577</u>		C	ED	Shallow 3 1 3 21 23S 28E	584764	3572714*	4840 05/15/1956	05/15/1956 07/	/24/1956	35	10 EMMETT BARRON	30
<u>C 00578</u>		C	ED	Shallow 3 1 3 21 23S 28E	584764	3572714*	4840 01/31/1955	01/31/1955 12/	/12/1955	28	18 HOWARD HEMLER	24
<u>C 00643</u>		C	ED	Shallow 3 1 3 21 23S 28E	584764	3572714*	4840 04/27/1956	04/30/1956 05/	/23/1956	76	10 HOWARD HEMLER	24
<u>C 00520</u>		С	ED	Shallow 1 1 3 16 23S 28E	584754	3574538*	4865 01/12/1954	01/19/1954 03/	/22/1954	115	33 HOWARD HEMLER	24
Released to Imaging: 12/12	<i>//2022 10:</i>	:59:44	AM									•

Receiv	ed by OCD: 9/13/2022 2:38:0	07 PM												Page 35 of 199
	<u>C 00521</u>	С	ED	Shallow	1 1 3 16	23S 28E	584754	3574538*	4865 01/03/1954	01/12/1954	03/22/1954	218	33 HOWARD HEMLER	24
	<u>C 04539 POD1</u>	CUB	ED		2 4 2 01	23S 28E	591034	3578223	4877 07/14/2021	07/14/2021	10/05/2021	55	HAMMER, RODNEY S.WARDENER	1186
	<u>C 00650</u>	C	ED	Shallow	1 3 3 21	23S 28E	584767	3572508*	4878 07/06/1956	07/07/1956	11/01/1956	32	12 HOWARD HEMLER	24
	<u>C 00539</u>	C	ED	Shallow	3 3 3 21	23S 28E	584767	3572308*	4926 07/06/1954	07/07/1954	12/10/1954	28	6 JOLLY, J.R.	171
	<u>C 02198</u>	C	ED		1 01	24S 28E	589940	3568611*	4991 08/09/1990	08/13/1990	08/28/1990	78	MURRELL ABBOTT	46
	<u>C 02186</u>	C	ED	Shallow	2 02	24S 28E	589128	3568606*	4994 02/04/1990	02/04/1990	02/13/1990	100	55 ROBERT W. COLLIS	1184

Record Count: 102

UTMNAD83 Radius Search (in meters):

Easting (X): 589525.33 **Northing (Y):** 3573585 **Radius:** 5000

*UTM location was derived from PLSS - see Help

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

WELLS WITH WELL LOG INFORMATION 9/8/22 9:36 AM



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X Y

C 03965 POD5

4 1 1 24 23S 28E

589864 3573534

34 🌍

Shallow

Driller License: 1711 Driller Company: STRAUB CORPORATION

Driller Name: BRYAN, EDWARD

Drill Start Date: 07/18/2016

Pump Type:

Drill Finish Date: 07/18/2016 **Plug Date:**

Log File Date: 08/18/2016 PCW Rcv Date: Source:

Pipe Discharge Size: Estimated Yield:

Casing Size: 2.00 Depth Well: 35 feet Depth Water: 31 feet

Casing Perforations: Top Bottom

25 35





Mosaic Fed 2419 WA #002H - Riverine 1,194.3 ft



November 3, 2021

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.

U.S. Fish and Wildlife Service **National Wetlands Inventory**

Mosaic Fed 2419 WA #002H - Wetland 1,318.5 ft



November 3, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

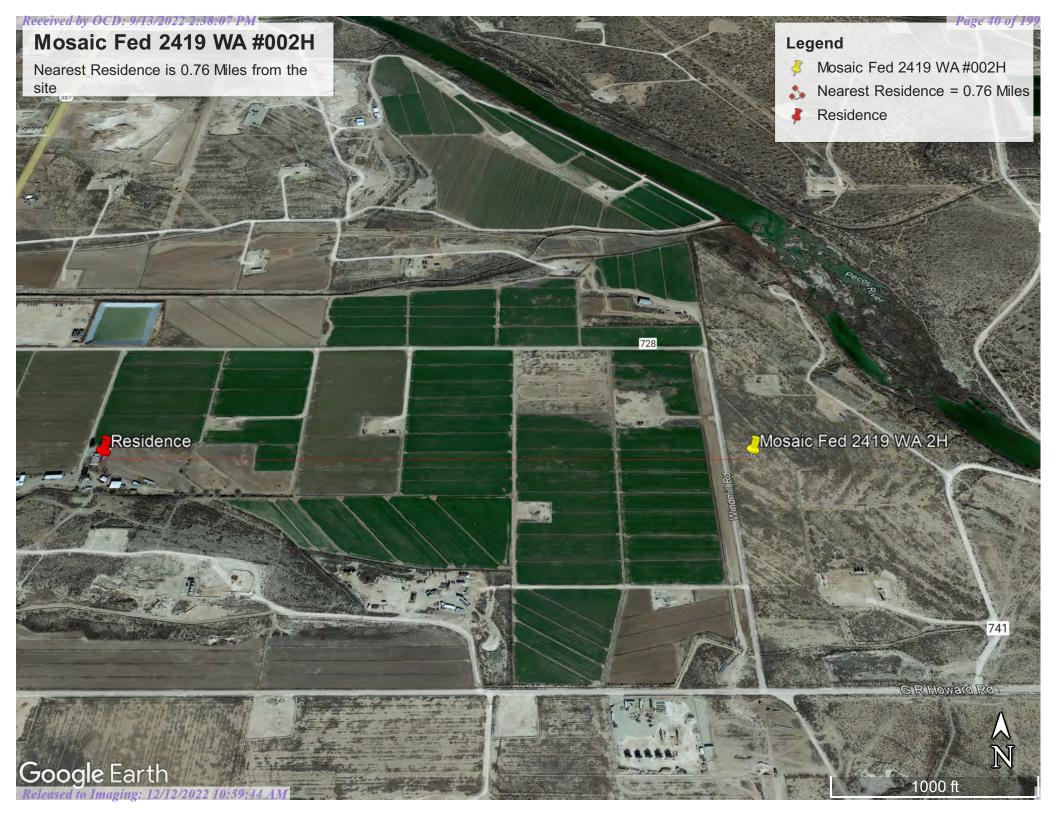
Lake

Freshwater Forested/Shrub Wetland

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.

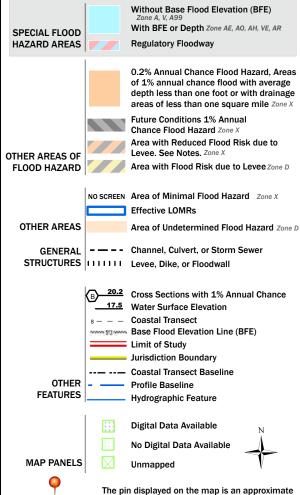


Received by OCD: 9/13/2022 2:38:07,PM National Flood Hazard Layer FIRMette





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



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/3/2021 at 10:08 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

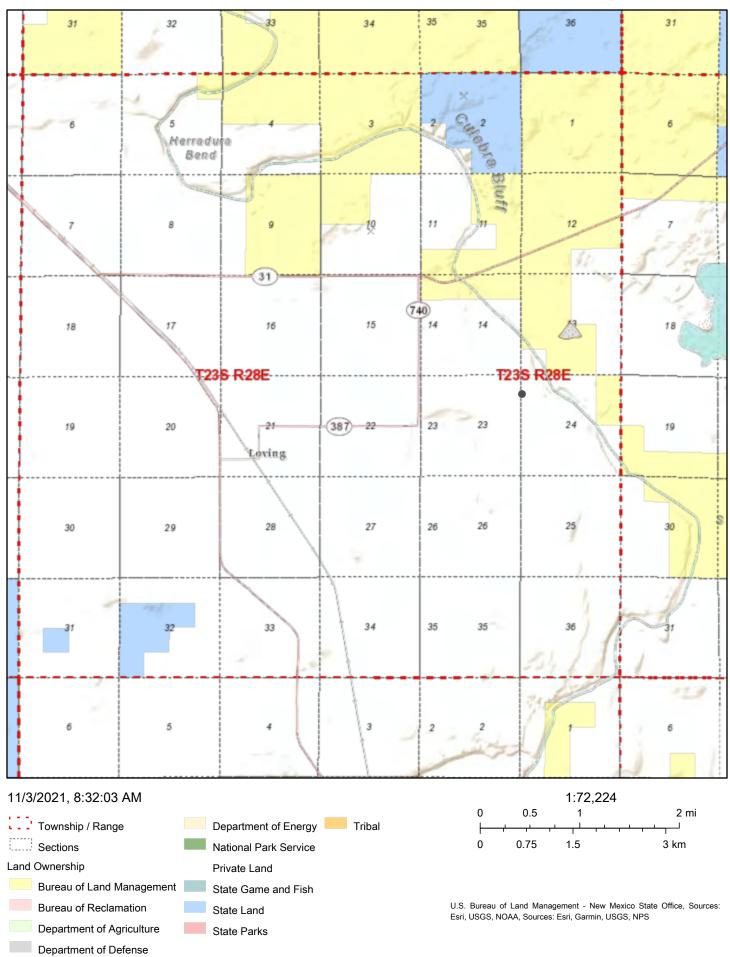
point selected by the user and does not represent

an authoritative property location.

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

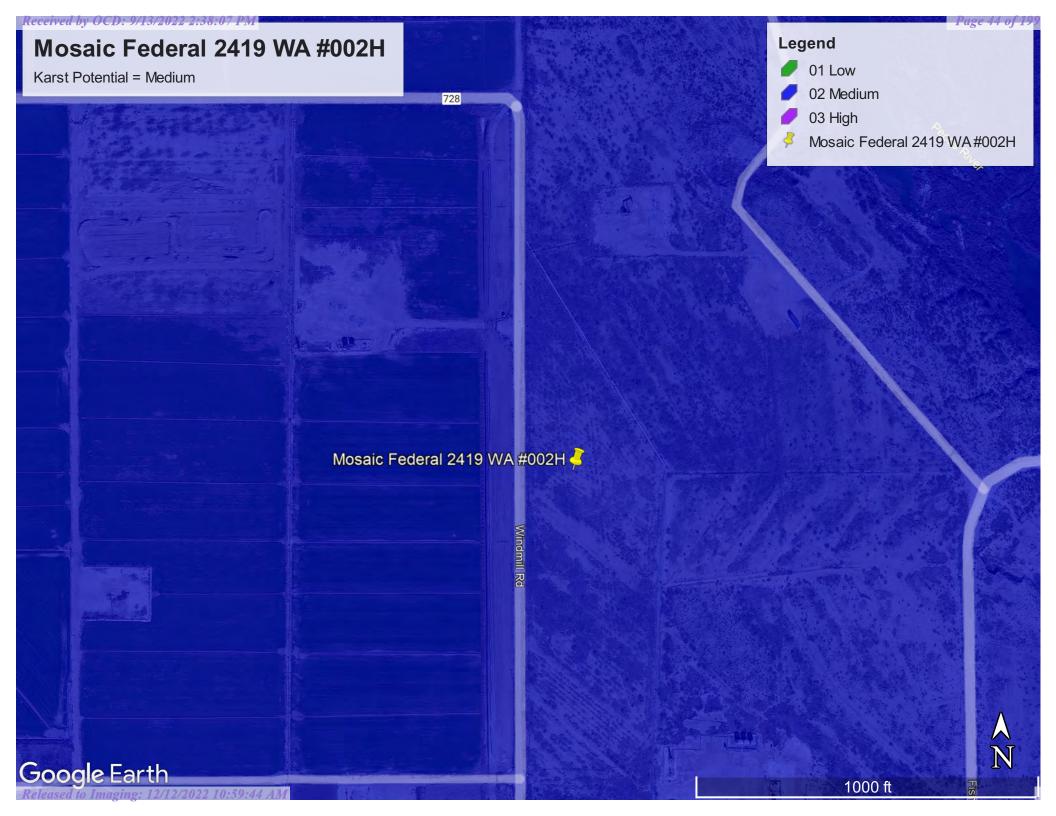


Active Mines Near Mosaic Fed 2419 WA #002H



ATTACHMENT D

Karst Map



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Federal 2419 WA

Work Order: E111022

Job Number: 21022-0001

Received: 11/2/2021

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 11/15/21

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: 11/15/21

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Federal 2419 WA

Workorder: E111022

Date Received: 11/2/2021 10:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2021 10:00:00PM, under the Project Name: Mosaic Federal 2419 WA.

The analytical test results summarized in this report with the Project Name: Mosaic Federal 2419 WA apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

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West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	Donoutoda
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/21 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-4'	E111022-01A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
SS02-4'	E111022-02A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
BG01-0'	E111022-03A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
BG01-1'	E111022-04A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
SS03-0'	E111022-05A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
SS04-0'	E111022-06A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
SS05-0'	E111022-07A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
SS06-0'	E111022-08A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS01-4' E111022-01

	E111022 01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	st: RKS		Batch: 2145061
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0500	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
	93.0 %	70-130	11/05/21	11/12/21	
mg/kg	mg/kg	Analy	st: RKS		Batch: 2145061
ND	20.0	1	11/05/21	11/12/21	
	107 %	70-130	11/05/21	11/12/21	
mg/kg	mg/kg	Analy	rst: JL		Batch: 2145062
ND	25.0	1	11/05/21	11/10/21	
ND	50.0	1	11/05/21	11/10/21	
	115 %	50-200	11/05/21	11/10/21	
mg/kg	mg/kg	Analy	st: IY		Batch: 2145039
ND	200	10	11/04/21	11/05/21	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 107 % mg/kg MB/kg mg/kg ND 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analy ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 MB/kg mg/kg Analy ND 20.0 1 MB/kg mg/kg Analy ND 25.0 1 ND 50.0 1 MB/kg mg/kg Analy	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0500 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/05/21 mg/kg mg/kg Analyst: JL ND 25.0 1 11/05/21 ND 25.0 1 11/05/21 ND 50.0 1 11/05/21 ND 50.0 1 11/05/21 mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/05/21 11/12/21 ND 0.0250 1 11/05/21 11/12/21 ND 0.0250 1 11/05/21 11/12/21 ND 0.0500 1 11/05/21 11/12/21 ND 0.0250 1 11/05/21 11/12/21 ND 0.0250 1 11/05/21 11/12/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/05/21 11/12/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/05/21 11/12/21 mg/kg mg/kg Analyst: JL ND 25.0 1 11/05/21 11/10/21 ND 50.0 1 11/05/21 11/10/21 ND 50.0 1 11/05/21 11/10/21 mg/kg mg/kg



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS02-4'

E111022-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		114 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2145039
Chloride	ND	200	10	11/04/21	11/06/21	•



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

BG01-0'

E111022-03						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		114 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2145039
Chloride	ND	20.0	1	11/04/21	11/05/21	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

BG01-1'

E111022-04						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
p-Xylene	ND	0.0250	1	11/05/21	11/12/21	
o,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		119 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2145039
Chloride	ND	20.0	1	11/04/21	11/06/21	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS03-0'

E111022-05

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	39.1	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	72.1	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		121 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2145039
	126	20.0		11/04/21	11/06/21	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS04-0'

T-1	11	022	α
н. г		117.7	-00

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	25.7	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	68.8	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		119 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2145039
Chloride	ND	40.0	2	11/04/21	11/06/21	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS05-0'

E111022-07

Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2145061
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
ND	0.0500	1	11/05/21	11/12/21	
ND	0.0250	1	11/05/21	11/12/21	
	94.9 %	70-130	11/05/21	11/12/21	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2145061
ND	20.0	1	11/05/21	11/12/21	
	109 %	70-130	11/05/21	11/12/21	
mg/kg	mg/kg	Ana	Analyst: JL		Batch: 2145062
ND	25.0	1	11/05/21	11/10/21	
80.0	50.0	1	11/05/21	11/10/21	
	00.20/	50-200	11/05/21	11/10/21	
	88.3 %	30-200	11/03/21	11/10/21	
mg/kg	88.3 % mg/kg		lyst: IY	11/10/21	Batch: 2145039
-	ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg ND 20.0 109 % mg/kg ND 25.0	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 70-130 mg/kg mg/kg Ana ND 20.0 1 109 % 70-130 mg/kg mg/kg Ana ND 25.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0250 1 11/05/21 ND 0.0500 1 11/05/21 ND 0.0250 1 11/05/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/05/21 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 11/05/21 11/12/21 ND 0.0500 1 11/05/21 11/12/21 ND 0.0250 1 11/05/21 11/12/21 mg/kg mg/kg Analyst: RKS ND 20.0 1 11/05/21 11/12/21 mg/kg mg/kg Analyst: JL 11/12/21 ND 25.0 1 11/05/21 11/10/21



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

SS06-0'

E111022-08

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2145061
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2145061
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2145062
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
Surrogate: n-Nonane		116 %	50-200	11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: IY		Batch: 2145039



o-Xylene

Benzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Ethylbenzene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 4-Bromochlorobenzene-PID

LCS Dup (2145061-BSD1)

QC Summary Data

				•					
Kaiser Francis Oil Company 1224 Standpipe Rd		Project Name: Project Number:		Iosaic Federal 1022-0001	2419 WA				Reported:
Carlsbad NM, 88220		Project Manager:	A	shley Gioveng	go				11/15/2021 3:53:53PM
		Volatile O	rganics l	oy EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2145061-BLK1)							Prepared: 1	1/05/21 Aı	nalyzed: 11/11/21
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	7.66		8.00		95.7	70-130			
LCS (2145061-BS1)							Prepared: 1	1/05/21 Aı	nalyzed: 11/11/21
Benzene	4.84	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.87	0.0250	5.00		97.5	70-130			

5.00

10.0

15.0

8.00

5.00

5.00

5.00

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

4.78

9.58

14.4

8.17

4.58

4.41

4.58

4.51

8.98

7.87

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

70-130

5.55 6.56

6.28

5.63

6.45

Prepared: 11/05/21 Analyzed: 11/11/21

20

20

20

20

95.5

95.8

95.7

102

91.6

88.1

91.5

90.3

89.8

QC Summary Data

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

1224 Standpipe Rd Carlsbad NM, 88220		Project Number: Project Manager		022-0001 shley Giovengo)				11/15/2021 3:53:53PM
	Non	halogenated (Organics 1	by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2145061-BLK1)							Prepared: 11	1/05/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			
LCS (2145061-BS2)							Prepared: 1	1/05/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			
LCS Dup (2145061-BSD2)							Prepared: 1	1/05/21	Analyzed: 11/11/21
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		95.9	70-130	4.63	20	-
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

QC Summary Data

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	·
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/2021 3:53:53PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go				11/15/2021 3:53:53PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2145062-BLK1)							Prepared: 1	11/05/21	Analyzed: 11/09/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.0		50.0		122	50-200			
LCS (2145062-BS1)							Prepared:	11/05/21	Analyzed: 11/09/21
Diesel Range Organics (C10-C28)	513	25.0	500		103	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			
Matrix Spike (2145062-MS1)				Source:	E111009-0	06	Prepared:	11/05/21	Analyzed: 11/10/21
Diesel Range Organics (C10-C28)	1250	25.0	500	609	128	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			
Matrix Spike Dup (2145062-MSD1)				Source:	E111009-0	06	Prepared:	11/05/21	Analyzed: 11/10/21
Diesel Range Organics (C10-C28)	1250	25.0	500	609	127	38-132	0.477	20	
Surrogate: n-Nonane	59.6		50.0		119	50-200			



LCS (2145039-BS1)

LCS Dup (2145039-BSD1)

Chloride

Chloride

Prepared: 11/04/21 Analyzed: 11/05/21

Prepared: 11/04/21 Analyzed: 11/05/21

90-110

90-110

0.285

98.3

98.5

QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 2	Iosaic Federal 1022-0001 .shley Giovenจุ					Reported: 11/15/2021 3:53:53PM
		Anions	by EPA	300.0/9056 <i>£</i>	4				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
Blank (2145039-BLK1) Chloride	ND	20.0]	Prepared: 1	1/04/21 A	nalyzed: 11/05/21

250

250

246

246

20.0

20.0

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

ſ	Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA	
١	1224 Standpipe Rd	Project Number:	21022-0001	Reported:
١	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	11/15/21 15:53

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.



envirotech

by OCD: 9/13/2022

2:38:07

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envirotech Inc.

Printed: 11/2/2021 10:41:32PM

Envirotech Analytical Laboratory

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:	11/02/21	22:00		Work Order ID:	E111022
Chain of Custody (COC) 1. Does the sample 1D match the COC? 2. Does the number of samples per sampling site location match the COC yes. 3. Work samples doepped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples necevised within holding time? 5. Were all samples necevised within holding time? 6. Does the COC inclicate standard TAT or Expedited TAT? 7. Was a sample cooler received? 7. Was a smaple cooler received? 8. Kryes, was cooler received? 9. Wis the sample received match, i.e., not broken? 9. Wis the sample specied on its off time of the sample specied on its orequired, if samples are received win 15 minutes of sampling 13. If no visible ice, received time to preparature. Actual sample temperature: 4. Was the sample cooler temperature. Actual sample temperature: 5. Wange Constriance 14. Are aqueous VOC samples collected in VOA Vials? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was at rip blank (13) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the expressive volume/weight or number of sample containers? 19. Is the expressive volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample Collector name? 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples to conceid preserved? 23. As a samples to required di offs of dissolved metals? 24. Is a fill filteration required and/or requested for dissolved metals? 25. Was a subcontract Laboratory specified by the client and if so who? 26. No. Subcontract Laboratory specified by the client and if so who? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract	Phone:	(505) 382-1211	Date Logged In:	11/02/21	22:37		Logged In By:	Alexa Michaels
1. Does the sample ID match the COC7 2. Does the number of samples per sampling site location match the COC 3. Were angliss acroped of IPs yelient to carrier? 4. Was the COC complete, i.e. signatures, dates/times, requested analyses? 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample couler received? 7. Was a sample couler received? 7. Was a sample couler received? 8. If yes, was couler received? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody-security seals present? 11. If yes, were caustody-security seals present? 12. Was the sample collect in the simple are received will 15 into the sample service of on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C yes 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aqueous VOC samples collected in VOC analyses? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample IP reservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sampled, be are containers 22. Loes the COC or field black indicate the samples were preserved? 23. Les and the COC or field black indicate the samples were preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Loes the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples to have required to get sent to a subcontract laboratory? 29. Each as supples the required to get sent to a subcon	Email:			11/10/21	17:00 (5 day TAT)			
1. Does the sample ID match the COC7 2. Does the number of samples per sampling site location match the COC 3. Were angliss acroped of IPs yelient to carrier? 4. Was the COC complete, i.e. signatures, dates/times, requested analyses? 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample couler received? 7. Was a sample couler received? 7. Was a sample couler received? 8. If yes, was couler received? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody-security seals present? 11. If yes, were caustody-security seals present? 12. Was the sample collect in the simple are received will 15 into the sample service of on ice? If yes, the recorded temp is 4°C, i.e., 6°42°C yes 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aqueous VOC samples collected in VOC analyses? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: Sample IP reservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sampled, be are containers 22. Loes the COC or field black indicate the samples were preserved? 23. Les and the COC or field black indicate the samples were preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Loes the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples to have required to get sent to a subcontract laboratory? 29. Each as supples the required to get sent to a subcon	<u> </u>							
2. Does the number of samples per sampling sile location match the COC 3. Were samples dopped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Not canadaysis, such as play which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Torn Around Time CTAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 8. If yes, was cooler received? 7. Was a sample cooler received? 9. Wish is samples) received in good condition? 9. Wes the samples) received in good condition? 10. Were custedly/security seals present? 10. Were custedly/security seals present? 11. If yes, were custodly/security seals inter? 12. Was the sample received on iced' If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling to sampling to sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Note and the sample soft the cord of the cord of the sample soft temperature of the sample soft temperature. Actual sample temperature of the sample soft temperature of the cord of the sample soft temperature				••				
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/innes, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Was a sample cooler received in good condition? 8. Were custody/security seals intact? 8. Were custody/security seals present? 8. Were custody/security seals intact? 8. Were a supple seal of the temperature. Actual sample temperature: 4°C 8. Were custody/security seals intact? 8. Were supple seals of the seal of t		•	h the COC					
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? Note Analysis, such as pit which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time (TXD) 6. Did the COC indicate standard TXT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received in good condition? 9. Was the sample(s) received induct, i.e., not broken? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on its pit stream of the pit stream of the pit stream of sampling in the pit stream of samples present? 13. If no visible ice, record the temperature. Actual sample temperature: 5. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was at it plants (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/veight or number of sample containers collected? 19. Experimental properties to which the minimum information: 10. Sample IPC 10. Description of the pit stream			en the COC					
5. Were all samples received within holding time? Note: Analysis, soits a light which should be conducted in the field, i.e., 15 minute hold time, are not included in this disacesion. Sample Turn Around Time (TAT) 6. Did the COC inclinates standard TAT, or Expedited TAT? 7 ves Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custed/ysecurity seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°-2°C Note: Themal preservation is not required, if samples are exceived win 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? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the papeopriate volume/weight or number of sample containers collected? 19. Date Time Collected? 20. Were field sample labels filled out with the minimum information: Sample IP: Date Time Collected? Collectors name? 10. Does the COC or field labels indicate the samples were preserved? No. Multiphase Sample Matrix 21. Does the COC or get sent to a subcontract laboratory? No. Multiphase Sample have more than one phase, i.e., multiphase? 22. He samples preserved and or equested for dissolved metals? No. Subcontract Laboratory. No. Subcontract Laboratory. No. Subcontract Lab No.		• • • •			Carrier: <u>C</u>	Courrier		
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Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Federal 2419 WA #002H

Work Order: E208189

Job Number: 21022-0001

Received: 9/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/2/22

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Date Reported: 9/2/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Federal 2419 WA #002H

Workorder: E208189

Date Received: 9/1/2022 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2022 10:30:00AM, under the Project Name: Mosaic Federal 2419 WA #002H.

The analytical test results summarized in this report with the Project Name: Mosaic Federal 2419 WA #002H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Sample Summary

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١	1224 Standpipe Rd	Project Number:	21022-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/02/22 13:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 2'	E208189-01A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF02 - 1.5'	E208189-02A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF03 - 1.5'	E208189-03A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF04 - 1.5'	E208189-04A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF05 - 1.5'	E208189-05A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF06 - 1.5'	E208189-06A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF07 - 3'	E208189-07A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF08 - 2.5'	E208189-08A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF09 - 2'	E208189-09A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF10 - 1.5	E208189-10A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF11 - 1.5'	E208189-11A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF12 - 2.5'	E208189-12A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF13 - 2.5'	E208189-13A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.
CONF14 - 2.5'	E208189-14A	Soil	08/30/22	09/01/22	Glass Jar, 4 oz.



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF01 - 2' E208189-01

	E208189-01				
	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0500	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
	107 %	70-130	09/01/22	09/01/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
ND	20.0	1	09/01/22	09/01/22	
	105 %	70-130	09/01/22	09/01/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2236050
ND	25.0	1	08/31/22	09/01/22	
ND	50.0	1	08/31/22	09/01/22	
	86.3 %	50-200	08/31/22	09/01/22	
mg/kg	mg/kg	An	alyst: RAS		Batch: 2236046
404	20.0	1	08/31/22	09/01/22	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO7 % mg/kg mg/kg mg/kg ND 20.0 IO5 % mg/kg ND 25.0 ND 50.0 86.3 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Am ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 MD 0.0250 1 MB/kg mg/kg Am ND 20.0 1 105 % 70-130 mg/kg mg/kg Am ND 25.0 1 ND 50.0 1 86.3 % 50-200 mg/kg mg/kg Am	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0500 1 09/01/22 ND 0.0250 1 09/01/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/01/22 mg/kg mg/kg Analyst: JL ND 25.0 1 08/31/22 ND 50.0 1 08/31/22 ND 50.0 1 08/31/22 Mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/01/22 09/01/22 ND 0.0250 1 09/01/22 09/01/22 ND 0.0250 1 09/01/22 09/01/22 ND 0.0500 1 09/01/22 09/01/22 ND 0.0250 1 09/01/22 09/01/22 ND 0.0250 1 09/01/22 09/01/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/01/22 09/01/22 mg/kg mg/kg Analyst: IJ ND 25.0 1 08/31/22 09/01/22 ND 25.0 1 08/31/22 09/01/22 ND 50.0 1 08/31/22 09/01/22 ND 50.0 1 08/31/22 09/01/22 ND 50.0 1 08/31/22 09/01/22



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF02 - 1.5'

E208189-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		93.0 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2236046
Chloride	261	20.0	1	08/31/22	09/01/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF03 - 1.5'

E208189-03

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ar	Analyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Ar	Analyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		92.0 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A		mg/kg	Analyst: RAS			Batch: 2236046
Chloride	280	20.0	1	08/31/22	09/01/22	·



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF04 - 1.5'

		ъ .:				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.1 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		91.0 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2236046
Chloride	67.3	20.0	1	08/31/22	09/01/22	·



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF05 - 1.5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		91.6%	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2236046
Chloride	151	20.0	1	08/31/22	09/01/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF06 - 1.5'

		ъ .:				
	D 1	Reporting	D'1 4'	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		84.9 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2236046



Chloride

Sample Data

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF07 - 3'

		E208189-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		85.4 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2236046

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08/31/22

09/01/22



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF08 - 2.5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		85.1 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2236046
Chloride	463	40.0	2	08/31/22	09/01/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF09 - 2'

		E208189-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/01/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/01/22	
Toluene	ND	0.0250	1	09/01/22	09/01/22	
o-Xylene	ND	0.0250	1	09/01/22	09/01/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/01/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/01/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	09/01/22	09/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		86.5 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2236046
Chloride	121	40.0	2	08/31/22	09/01/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF10 - 1.5

	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2236052
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
ND	0.0500	1	09/01/22	09/01/22	
ND	0.0250	1	09/01/22	09/01/22	
	104 %	70-130	09/01/22	09/01/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2236052
ND	20.0	1	09/01/22	09/01/22	
	97.5 %	70-130	09/01/22	09/01/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2236050
ND	25.0	1	08/31/22	09/01/22	
ND	50.0	1	08/31/22	09/01/22	
	84.5 %	50-200	08/31/22	09/01/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2236046
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 mg/kg mg/kg ND 20.0 97.5 % mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1	mg/kg mg/kg Analyst: IY ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0250 1 09/01/22 ND 0.0500 1 09/01/22 ND 0.0250 1 09/01/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/01/22 mg/kg 70-130 09/01/22 mg/kg mg/kg Analyst: JL ND 25.0 1 08/31/22 ND 50.0 1 08/31/22	mg/kg mg/kg Analyst: IY ND 0.0250 1 09/01/22 09/01/22 ND 0.0500 1 09/01/22 09/01/22 ND 0.0250 1 09/01/22 09/01/22 mg/kg mg/kg Analyst: IY ND 20.0 1 09/01/22 09/01/22 mg/kg mg/kg Analyst: IX 09/01/22 09/01/22 09/01/22 mg/kg mg/kg Analyst: JL ND 25.0 1 08/31/22 09/01/22 ND 50.0 1 08/31/22 09/01/22 09/01/22



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF11 - 1.5'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		81.8 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2236046
Chloride	119	40.0	2	08/31/22	09/02/22	·



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF12 - 2.5'

		D '				
	D 1:	Reporting	D'1 -	ъ .		NT .
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		82.3 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2236046
Chloride	ND	100	5	08/31/22	09/02/22	·



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF13 - 2.5'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.6 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		101 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2236046
Chloride	ND	200	10	08/31/22	09/01/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

CONF14 - 2.5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
Benzene	ND	0.0250	1	09/01/22	09/02/22	
Ethylbenzene	ND	0.0250	1	09/01/22	09/02/22	
Toluene	ND	0.0250	1	09/01/22	09/02/22	
o-Xylene	ND	0.0250	1	09/01/22	09/02/22	
p,m-Xylene	ND	0.0500	1	09/01/22	09/02/22	
Total Xylenes	ND	0.0250	1	09/01/22	09/02/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2236052
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/22	09/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	09/01/22	09/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2236050
Diesel Range Organics (C10-C28)	ND	25.0	1	08/31/22	09/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/31/22	09/01/22	
Surrogate: n-Nonane		100 %	50-200	08/31/22	09/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2236046
Chloride	23.0	20.0	1	08/31/22	09/01/22	•



Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

		•	-	<i>J</i>					
Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Number:		Mosaic Federal 21022-0001	2419 WA	#002H			Reported:	
Carlsbad NM, 88220		Project Manager:		Ashley Gioveng	go				9/2/2022 1:36:57PM
		Volatile O	rganics	by EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236052-BLK1)							Prepared: 0	8/31/22 A	Analyzed: 09/01/22
Benzene	ND	0.0250							
Ethylhenzene	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	7.66		8.00	95.8	70-130			
LCS (2236052-BS1)						Prepared: 08	3/31/22 Ana	alyzed: 09/01/22
Benzene	4.91	0.0250	5.00	98.1	70-130			
Ethylbenzene	5.14	0.0250	5.00	103	70-130			
Toluene	5.18	0.0250	5.00	104	70-130			
o-Xylene	5.10	0.0250	5.00	102	70-130			
p,m-Xylene	10.4	0.0500	10.0	104	70-130			
Total Xylenes	15.5	0.0250	15.0	103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00	97.5	70-130			
LCS Dup (2236052-BSD1)						Prepared: 08	3/31/22 Ana	alyzed: 09/01/22
Benzene	5.00	0.0250	5.00	99.9	70-130	1.85	20	
Ethylbenzene	5.26	0.0250	5.00	105	70-130	2.22	20	
Toluene	5.29	0.0250	5.00	106	70-130	2.03	20	
o-Xylene	5.21	0.0250	5.00	104	70-130	2.07	20	
p,m-Xylene	10.6	0.0500	10.0	106	70-130	2.25	20	
Total Xylenes	15.8	0.0250	15.0	105	70-130	2.19	20	

70-130

Kaiser Francis Oil Company 1224 Standpipe Rd	Project Name: Project Number:	Mosaic Federal 2419 WA #002H 21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

Carlsbad NM, 88220		Project Number: Project Manager:		shley Giovengo					9/2/2022 1:36:57PM
	Non	halogenated C	Organics	by EPA 8015	5 D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236052-BLK1)							Prepared: 0	8/31/22 A	Analyzed: 09/01/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			
LCS (2236052-BS2)							Prepared: 0	8/31/22 A	Analyzed: 09/01/22
Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS Dup (2236052-BSD2)							Prepared: 0	8/31/22 A	Analyzed: 09/01/22
Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130	9.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/2/2022 1:36:57PM

Carlsbad NM, 88220		Project Manager	r: As	shley Gioveng	90				9/2/2022 1:36:57PM
	Nonha	logenated Or	ganics 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 Limi	
Blank (2236050-BLK1)							Prepared: 0	8/31/22	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			
LCS (2236050-BS1)							Prepared: 0	8/31/22	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	243	25.0	250		97.0	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			
LCS Dup (2236050-BSD1)							Prepared: 0	8/31/22	Analyzed: 08/31/22
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132	6.81	20	
Surrogate: n-Nonane	54.7		50.0		109	50-200			

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: :	Mosaic Federal 21022-0001 Ashley Giovens		#002H			Reported: 9/2/2022 1:36:57PM
<u> </u>		Anions	by EPA	300.0/9056	<u> </u>				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 (2236046-BLK1)							Prepared: 08	8/31/22 Aı	nalyzed: 09/01/22
Chloride	ND	20.0							
LCS (2236046-BS1)							Prepared: 08	3/31/22 Aı	nalyzed: 09/01/22
Chloride	250	20.0	250		99.9	90-110			
LCS Dup (2236046-BSD1)							Prepared: 08	3/31/22 Aı	nalyzed: 09/01/22
Chloride	251	20.0	250		100	90-110	0.617	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:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/02/22 13:36

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.

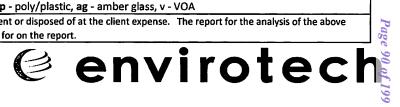
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: k	Caiser Fran	cis Oil Co					Bill To		A		La	b Us	e On	y 💸		135 W			TA	\T		EPA P	rogram
	Mosaic Fo			002H		tention:	Wescom Inc		Lab	WO#			1 doL	lum	ber	100	1D	2D	3D	Sta	ndard	CWA	SDWA
Project I	Manager:	Ashley G	iovengo		A	ldress:	1224 Standpipe Rd		Εá	208	189		210	<u> </u>	<u>-00</u>	0[X						
<u>Address:</u>	1224 Sta	<u>indpipe R</u>	<u>ld</u>		<u> Ci</u>	ty, State	, Zip: Carlsbad, NM 8	88220	$oxed{oxed}$				Analy	sis aı	nd Me	thod							RCRA
	te, Zip: Ca		<u>IM 88220</u>		<u>P</u> I	one: 50	05-382-1211		-										1				<u> </u>
Phone:	<u>505-382-1</u>	211			<u>E</u> r	nail: ash	nley.giovengo@wesc	ominc.com] X	8015					1	- 1			1 1	L		State	
Email: a	shley.giov	engo@w	escomino	.com					8 8) 8 K	21	.g	.	0.0			Σ			<u> </u>	им со	UT AZ	TX
Report d	lue by:					_		December 1	<u> </u>	80	y 80	87	601	æ 30				¥		L	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос	верос				Remarks	
15:27	8/30/22	Soil	1 Jar			CONFO	1 - 2'										х						
13:10	8/30/22	Soil	1 Jar			CONF02	- 1.5'	a a									x						
13:11	8/30/22	Soil	1 Jar			CONF03	- 1.5'	3									x						
13:12	8/30/22	Soil	1 Jar			CONF04	- 1.5'	4									х						
13:15	8/30/22	Soil	1 Jar			CONF05	5 - 1.5'	5									х						
13:14	8/30/22	Soil	1 Jar			CONF06	5 - 1.5'	G	2								х						
16:26	8/30/22	Soil	1 Jar			CONF0	7 - 3'	7									х						
15:28	8/30/22	Soil	1 Jar			CONF08	3 - 2.5'	8									х				-		
15:50	8/30/22	Soil	1 Jar			CONF0	9 - 2'	9									х						-
14:34	8/30/22	Soil	1 Jar			CONF10	0 - 1.5	10									х						
Addition	al Instruc	tions: I	Cept on ic	e, Please Co	C: cole.bu	ton@w	escominc.com, shar.	harvester@we	scom	inc.c	om,	ashle	ey.gio	ven	go@v	vesc	omir	nc.co	m				
		•		icity of this samp			ering with or intentionally m	nislabelling the samp	le locat	ion,			1 .	-	_						n ice the day t ubsequent da	-	ed or received
	ed by: (Şigna		696	3.316		O Recely		1-2/	2	Time	:01	//	Rece	eived	d on ic	:e:	L	ab U	se On I	ily:			
(el)no ish	ed by. (Signa		Date		ime '- / E	Receiv	red by: (Signature)	Date 9/1/	22	Time	ر کرز		2.0	2. 7			T2				T3		
Relinquish	ed by: (Signa	ature)	Date		ime	Receiv	ved by: (Signature)	Date		Time				Ten	np °C	4	•						
Sample Mat	rix: S - Soil, Sc	l - Solid, Sg -	Sludge, A - A	queous, O - Oth	er			Containe	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
						ther arran	gements are made. Haza														for the ana	lysis of the	above
							OC. The liability of the lab																



Project Information Characteristics Characteri							′											Page	2_of_2
Client: K	aiser Fran	cis Oil Co	<u> </u>		Bill To		Lab Use Only								T/	AT .	EPA P	rogram	
	Mosaic Fe			002H	Attention: Wescom Inc		Lab WO#				Job I	lumb		1D	2D	3D	Standard	CWA	SDWA
	lanager:				Address: 1224 Standpipe Rd		Εő	E208189 21002		<u> 22 - C</u>	1001	X							
	<u> 1224 Sta</u>			· · · · · · · · · · · · · · · · · · ·	City, State, Zip: Carlsbad, NM 8	88220					Analy	sis and	Metho	d		,			RCRA
	e, Zip: Ca		M 88220)	Phone: 505-382-1211		ļ			l									
	<u>505-382-1</u>				Email: ashley.giovengo@wesc	ominc.com	by 8015	8015		l		Ì		İ			200 21 22	State	
	shley.giov	engo@w	<u>escomin</u>	c.com			8 A	by 8	8021	8	ឧ	300.0		Σ			NMI CO	UT AZ	TX
<u>Report d</u>						I S.Y. et al.	욽	ا گ)8 k	₹ 82	9 e	ge			×		_×L	<u> </u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO by	втех by 8	VOC by 8260	Metals 6010	Chloride		верос	верос			Remarks	;
14:37	8/30/22	Soil	1 Jar		CONF11 - 1.5'									х					
16:22	8/30/22	Soil	1 Jar		CONF12 - 2.5'	12								х					
16:23	8/30/22	Soil	1 Jar		CONF13 - 2.5'	13								х				_	
16:24	8/30/22	Soil	1 Jar		CONF14 - 2.5'	14								х					
			 										_	+					
						er fallen i de la companya de la com													
Addition	al Instruc	tions: H	Cept on ic	ce, Please CC:	cole.burton@wescominc.com, shar.l	harvester@wes	com	inc.c	om, a	shle	y.gio	venge	o@wes	comi	ic.co	m	<u> </u>	_	
	**	-			I am aware that tampering with or intentionally m	nislabelling the sample	locati	on,					-	•			ceived on ice the day		oled or received
	ed by: (Signa		636	may be grounds for	Received by: (81g) adjure)	Date	~	Zm)	10	<i>())</i>				100		se On	ily		
ielipayish	ed by Signa		Date	<i>''</i>	Received by: (Signature)	1 Date ///	€ ? ?	Time	121			ivea	on ice:	C	<i>)</i> N				
Relinquish	set by: (Signa	ture)	Date	1 - W	Received by: (Signature)	Date	* <i>(</i>	Time	ان		<u>T1</u> ΔVG	Tem		1 <u>1</u> 4	<u>en 191</u> În ani, Îngreje				
ample Mar	rive C - Call Ca	- Solid Sc	Sludge A .	Aqueous, O - Other _		Containe	r Tyror) 	rlacc					per ala	CC V	VOA	<u>. 1. 40 - 15 - 150 - 50 - 5</u>	<u> </u>	Sec I Res
					d unless other arrangements are made. Haza													aluaia af sh	



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Printed: 9/1/2022 11:53:56AM

Envirotech Analytical Laboratory

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:	09/01/22	10:30	Work Order ID:	E208189
Phone:	(505) 382-1211	Date Logged In:	08/31/22	16:01	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	09/01/22	17:00 (0 day TAT)		
Chain a	Custody (COC)					
	f Custody (COC)		V			
	the sample ID match the COC? The number of samples per sampling site location mat	ch the COC	Yes			
	samples dropped off by client or carrier?	on the coc	Yes Yes	Comion LIDS		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: <u>UPS</u>		
	all samples received within holding time?	sted analyses.	Yes			
J. WOIC	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		103		Comment	ts/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container_					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	bel					
•	field sample labels filled out with the minimum info	rmation:				
5	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	10				
	the COC or field labels indicate the samples were pr	eserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved m	ietais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab: na		
Client I	nstruction					
						-

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic 2419 WA #002H

Work Order: E209008

Job Number: 21022-0001

Received: 9/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/7/22

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: 9/7/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic 2419 WA #002H

Workorder: E209008

Date Received: 9/6/2022 8:24:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2022 8:24:00AM, under the Project Name: Mosaic 2419 WA #002H.

The analytical test results summarized in this report with the Project Name: Mosaic 2419 WA #002H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Γ	Kaiser Francis Oil Company	Project Name:	Mosaic 2419 WA #002H	Donoutoda	
ı	1224 Standpipe Rd	Project Number:	21022-0001	Reported:	
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/07/22 14:55	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF15 - 2.5	E209008-01A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF16 - 2'	E209008-02A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF17 - 2'	E209008-03A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF18 - 2'	E209008-04A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF19 - 2'	E209008-05A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF20 - 2'	E209008-06A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF21 - 2.5'	E209008-07A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF22 - 2.5'	E209008-08A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF23 - 2.5	E209008-09A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF24 - 2.5'	E209008-10A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.
CONF25 - 2.5'	E209008-11A	Soil	09/01/22	09/06/22	Glass Jar, 4 oz.

Kaiser Francis Oil Company	Project Name:	Mosaic 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/7/2022 2:55:21PM

CONF15 - 2.5

A 14	D. Iv	Reporting	D'I	<i>.</i> ·	D 1		N.
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		95.0 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		95.0 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		107 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	184	100		5	09/06/22	09/06/22	
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36) Surrogate: n-Nonane	ND ND	50.0	50-200	1 1	09/06/22	09/06/22	Dotal



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF16 - 2'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RK	S		Batch: 2237001
Benzene	ND	0.0250	1		09/06/22	09/06/22	
Ethylbenzene	ND	0.0250	1		09/06/22	09/06/22	
Toluene	ND	0.0250	1		09/06/22	09/06/22	
o-Xylene	ND	0.0250	1		09/06/22	09/06/22	
p,m-Xylene	ND	0.0500	1		09/06/22	09/06/22	
Total Xylenes	ND	0.0250	1	ļ	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0	1		09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/06/22	09/06/22	
Surrogate: n-Nonane		112 %	50-200		09/06/22	09/06/22	
		п		A 1 D A	c		Batch: 2237002
Anions by EPA 300.0/9056A	mg/kg	mg/kg	- 1	Analyst: RA	is .		Batch: 223/002



 Kaiser Francis Oil Company
 Project Name:
 Mosaic 2419 WA #002H

 1224 Standpipe Rd
 Project Number:
 21022-0001
 Reported:

 Carlsbad NM, 88220
 Project Manager:
 Ashley Giovengo
 9/7/2022
 2:55:21PM

CONF17 - 2'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Benzene	ND	0.0250	1	1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250	1	1	09/06/22	09/06/22	
Toluene	ND	0.0250	1	1	09/06/22	09/06/22	
o-Xylene	ND	0.0250	1	1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500	1	1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250	1	1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.5 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.5 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/06/22	09/06/22	
Surrogate: n-Nonane	·	93.4 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	ND	40.0		2	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/2022:55:21PM

CONF18 - 2'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2237001
Benzene	ND	0.0250	1	l	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250	1	l	09/06/22	09/06/22	
Toluene	ND	0.0250	1	l	09/06/22	09/06/22	
o-Xylene	ND	0.0250	1	1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500	1	1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250	1	l	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0	1		09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/06/22	09/06/22	
Surrogate: n-Nonane		112 %	50-200		09/06/22	09/06/22	
	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2237002
Anions by EPA 300.0/9056A	mg/kg	mg/kg					Batem 225 / 002



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/2022:55:21PM

CONF19 - 2'

		Reporting					
Analyte	Result	Limit	Dilut	tion 1	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS	S		Batch: 2237001
Benzene	ND	0.0250	1	. (09/06/22	09/06/22	
Ethylbenzene	ND	0.0250	1		09/06/22	09/06/22	
Toluene	ND	0.0250	1		09/06/22	09/06/22	
o-Xylene	ND	0.0250	1	. (09/06/22	09/06/22	
p,m-Xylene	ND	0.0500	1	. (09/06/22	09/06/22	
Total Xylenes	ND	0.0250	1	. (09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		97.5 %	70-130	•	09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0	1	. (09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	(09/06/22	09/06/22	
Surrogate: Toluene-d8		97.5 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0	1	. (09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	. (09/06/22	09/06/22	
Surrogate: n-Nonane		115 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS	S		Batch: 2237002
11110113 by E111 500:0/703011							



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF20 - 2'

		1207000 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	Buten: 225 / 001
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		96.5 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.7 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		96.5 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		96.7 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		112 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	151	40.0	_	2	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF21 - 2.5'

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		107 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		107 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane	·	100 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	ND	100		5	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF22 - 2.5'

		12 07000 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:	•	1 mary zea	Batch: 2237001
Volatile Organic Compounds by EPA 8260B	ND	0.0250		1	09/06/22	09/06/22	Batch. 2237001
Benzene				1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1			
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		104 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		104 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		104 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2237002
Chloride	297	40.0		2	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF23 - 2.5

		E/207000-07					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg			Analyst:		7 mary 2ca	Batch: 2237001
Volatile Organic Compounds by EPA 8260B		mg/kg		Allalyst.		09/06/22	Batch: 223/001
Benzene	ND	0.0250		1	09/06/22		
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		100 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane	·	107 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	ND	100		5	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF24 - 2.5'

	_	Reporting	_			
Analyte	Result	Limit	Dilut	tion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS		Batch: 2237001
Benzene	ND	0.0250	1	09/06/22	2 09/06/22	
Ethylbenzene	ND	0.0250	1	09/06/22	2 09/06/22	
Toluene	ND	0.0250	1	09/06/22	2 09/06/22	
o-Xylene	ND	0.0250	1	09/06/22	2 09/06/22	
p,m-Xylene	ND	0.0500	1	09/06/22	2 09/06/22	
Total Xylenes	ND	0.0250	1	09/06/22	2 09/06/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	09/06/22	2 09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/06/22	2 09/06/22	
Surrogate: Toluene-d8		105 %	70-130	09/06/22	2 09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/22	2 09/06/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	09/06/22	2 09/06/22	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/06/22	2 09/06/22	
Surrogate: Toluene-d8		105 %	70-130	09/06/22	2 09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/22	2 09/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/22	2 09/06/22	
Surrogate: n-Nonane		90.8 %	50-200	09/06/2.	2 09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2237002
Chloride	ND	200	10	09/06/22	2 09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

CONF25 - 2.5'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		95.8 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2237002
· · · · · · · · · · · · · · · · · · ·	ND	200		10	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:55:21PM

1224 Standpipe Rd		roject rumber.	21	022 0001							
Carlsbad NM, 88220		Project Manager	: As	shley Gioveng	o			9/	7/2022 2:55:21PM		
	V	Volatile Organic Compounds by EPA 8260B						Analyst: RKS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2237001-BLK1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
o,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130					
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130					
LCS (2237001-BS1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22		
Benzene	2.28	0.0250	2.50		91.1	70-130					
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130					
Toluene	2.16	0.0250	2.50		86.4	70-130					
o-Xylene	2.37	0.0250	2.50		95.0	70-130					
o,m-Xylene	4.63	0.0500	5.00		92.5	70-130					
Total Xylenes	7.00	0.0250	7.50		93.3	70-130					
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130					
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130					
LCS Dup (2237001-BSD1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22		
Benzene	2.30	0.0250	2.50		92.1	70-130	1.09	23			
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130	0.0647	27			
Toluene	2.16	0.0250	2.50		86.2	70-130	0.209	24			
o-Xylene	2.38	0.0250	2.50		95.1	70-130	0.126	27			
o,m-Xylene	4.60	0.0500	5.00		92.0	70-130	0.553	27			
Total Xylenes	6.98	0.0250	7.50		93.0	70-130	0.322	27			
			0.500		10.4	70 120					
Surrogate: Bromofluorobenzene	0.520		0.300		104	70-130					

0.500

94.8

70-130

0.474

Surrogate: Toluene-d8

Kaiser Francis Oil CompanyProject Name:Mosaic 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/2022 2:55:21PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2237001-BLK1) Gasoline Range Organics (C6-C10)	ND	20.0			Prepared: 09/06/22 Analyzed: 09/06/22				

Blank (2237001-BLK1)						Prepared: 09	/06/22 Analyzed: 09/06	/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.504		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500	99.4	70-130			
Surrogate: Toluene-d8	0.479		0.500	95.7	70-130			
LCS (2237001-BS2)						Prepared: 09	/06/22 Analyzed: 09/06	/22
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	88.9	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500	99.1	70-130			
Surrogate: Toluene-d8	0.492		0.500	98.4	70-130			
LCS Dup (2237001-BSD2)						Prepared: 09	/06/22 Analyzed: 09/06	/22
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	88.9	70-130	0.0202	20	
Surrogate: Bromofluorobenzene	0.499		0.500	99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500	101	70-130			
Surrogate: Toluene-d8	0.481		0.500	96.2	70-130			

Kaiser Francis Oil Company	Project Name:	Mosaic 2419 WA #002H	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	·
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/7/2022 2:55:21PM

Carlsbad NM, 88220		Project Manage	r: As	hley Giovens	go			9	/7/2022 2:55:21PM
	Nonha	logenated Or	ganics by	EPA 80151) - 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
	96	99			70	70			rotes
Blank (2237003-BLK1)							Prepared: 0	9/06/22 Ana	alyzed: 09/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.3		50.0		119	50-200			
LCS (2237003-BS1)							Prepared: 0	9/06/22 Ana	alyzed: 09/06/22
Diesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike (2237003-MS1)				Source:	E209008-	03	Prepared: 0	9/06/22 Ana	alyzed: 09/06/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.7	38-132			
Surrogate: n-Nonane	47.9		50.0		95.7	50-200			
Matrix Spike Dup (2237003-MSD1)				Source:	E209008-	03	Prepared: 0	9/06/22 Ana	alyzed: 09/06/22
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132	4.47	20	
Surrogate: n-Nonane	42.7		50.0		85.4	50-200			



Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number Project Manager	:	Mosaic 2419 W 21022-0001 Ashley Gioveng					Reported: 9/7/2022 2:55:21PM
Carisona 1111, 00220				300.0/9056					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 (2237002-BLK1)							Prepared: 0	9/06/22 Ai	nalyzed: 09/06/22
Chloride	ND	20.0							
LCS (2237002-BS1)							Prepared: 0	9/06/22 A	nalyzed: 09/06/22
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2237002-BSD1)							Prepared: 0	9/06/22 A	nalyzed: 09/06/22
Chloride	246	20.0	250		98.4	90-110	0.171	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:	Mosaic 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/07/22 14:55

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.



oject Informatio	n				С	hain of Custody	•					P	0	38	5	48	<i>,</i>	Page	1	_ of
ent: Kaiser Fran	ncis Oil Co			12.4	Bill To		9.45.0	(<u>A</u>)	La	b Us	e On	lv.		i l		TA	т	EP	A Pro	gram
oject: Mosaic 2					Attention: Wescom Inc		Lab	WO#			Job:N	Numb	er -	1D	2D	3D	Standard			SDWA
oject Manager:	Ashley Gi	ovengo			Address: 1224 Standpipe Rd		Eά	#0W PO	001	8	ale	9D-	रिट्य	X						
ldress:_1224 Sta	ndpipe R	d		_	City, State, Zip: Carlsbad, NM 8	38220							d Metho	d						RCRA
ty, State, Zip: Ca	<u>ırlsbad, N</u>	M 88220		_ -:-	Phone: 505-382-1211															
ione: 505-382-1					Email: ashley.giovengo@wesco	ominc.com	115	115		ł				1	l			Stat		
nail: ashley.gio\	engo@w	escomino	com		•)A 8()6 6	됩		٥	8		Σ			NM C	TUC	AZ -	TX
port due by:				1 000			80	<u> </u>	8 ≥	/82	601	e 3			¤		×			
Time Date ampled Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех _{by} 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	ВСООС			Rema	rks	
10:46 9/1/22	Soil	1 Jar			CONF15 - 2.5									x						
10:53 9/1/22	Soil	1 Jar			CONF16 - 2'	2								х						
10:51 9/1/22	Soil	1 Jar			CONF17 - 2'	3		-						х						
13:22 9/1/22	Soil	1 Jar			CONF18 - 2'	4								х					_	
13:28 9/1/22	Soil	1 Jar			CONF19 - 2'	5								x						
13:29 9/1/22	Soil	1 Jar			CONF20 - 2'	Ø								x						
13:30 9/1/22	Soil	1 Jar	†		CONF21 - 2.5'	7								x						
15:43 9/1/22	Soil	1 Jar			CONF22 - 2.5'	8								x						
14:46 9/1/22	Soil	1 Jar			CONF23 - 2.5	9								x						
14:48 9/1/22	Soil	1 Jar			CONF24 - 2.5'	10			·					x						
	o the validity	and authent	icity of this sample	e. I am av	urton@wescominc.com, shar.h ware that tampering with or intentionally mi ion. <u>Sampar</u> by:	narvester@wes			om, a		Sample	s requiri	ng thermal p	preserva	ion mu	st be rece	eived on ice the d		ampled (or receive
linquished by: (Sign		Oa e	1 02 H	+ 30 + 30	Resource by Grand Wall	G6-Y	ナ	Time	.00	,			on ice:			se Onl				
Inquistred by: (Sign		D ate			Recorded by: (Signature)	2 P/10/0	22	Time	20	1	T1	i i	4.7 j	T2			<u>173</u>			
linquished by: (Sign	ature)	Date	Tim	e	Received by: (Signature)	Date		Time			AVG	Temr	,∘ <u>c_</u>	1						
mple Matrix: S - Soil, S	d - Solid. Sg -	Sludge. A - A	queous, O - Other			Container	Type	: g - 2	lass.						s. v -	VOA	Steve Complete	zakta ili olak	<u> </u>	<u> 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 </u>
					other arrangements are made. Haza															



Client: I	Kaiser Fran	cis Oil C	0		Bill To				La	b Us	e On	ly				TA	AT.	EPA P	rogram
	Mosaic 2				Attention: Wescom Inc		Lab	WO#			Job I		ber	1D	2D	3D	Standard	CWA	SDWA
Project I	Manager:	Ashley G	iiovengo		Address: 1224 Standpipe Rd		Fa	nq	0	6	210	ಎಎ	1000-	X	-				
Address	: 1224 Sta	ndpipe F	₹d		City, State, Zip: Carlsbad, NM	88220		. ~					nd Metho	d					RCRA
City, Sta	te, Zip: Ca	rlsbad, N	VM 88220)	Phone: 505-382-1211														
Phone:	505-382-1	211			Email: ashley.giovengo@wesc	cominc.com	15	15										State	
	shley.giov		vescomin	c.com			80.	80.	н			0.	1 1				NM CO	UT AZ	TX
Report o							(q o	O by	8021	3260	010	300		Z	×				
Time	Date	290 1120	No. of	6 1 15		Lab	DRO/ORO by 8015	GRO/DRO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0		20	N N	1 1			
Sampled	Sampled	Matrix	Containers	Sample ID		Number	DRO	GRO	BTE)	000	Met	Chlo		верос	BGDOC			Remarks	Þ
14:50	9/1/22	Soil	1 Jar		CONF25 - 2.5*	11								х					
I, (field sam	pler), attest to	the validity	and authen		cole.burton@wescominc.com, shar. I am aware that tampering with or intentionally m legal action. Sampled by:				om, a	ishle	Sample	es requ	iring thermal	preserv	ation m	ust be rec	ceived on ice the day		lled or received
Relinquish Relinquish	ed by: (Signal)	ature)	01	1.02. Ph	Received by: (Signature) Received by: (Signature) Received by: (Signature)	A pate Date Date	0) 22	Time	12:4	Y.	<u>T1</u>		d on ice:	<u>T2</u>	ab U	lse On	<u>T3</u>		
Sample Ma	trix: S - Soil, So	- Solid, Sg	- Sludge, A - A	Aqueous, O - Other		Containe	г Тур	e: g -	glass,	p - p			, ag - amb		iss, v	- VOA			
					d unless other arrangements are made. Haza						_						report for the an	alysis of the	above
samples is	applicable o	nly to thos	se samples	received by the la	boratory with this COC. The liability of the lab	oratory is limited to	the a	amoui	nt paid	for o	n the	repor	t.						

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Printed: 9/6/2022 10:31:30AM

Envirotech Analytical Laboratory

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:	09/06/22	08:24		Work Order ID:	E209008
Phone:	(505) 382-1211	Date Logged In:	09/06/22	08:32		Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/06/22	17:00 (0 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: U	JPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were a	ll samples received within holding time?	4 6 11	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion			r		Comment	s/Resolution
	Turn Around Time (TAT)						
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	<u>Container</u>						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lal							
	field sample labels filled out with the minimum informample ID?	rmation:	Yes				
	ample 1D? Date/Time Collected?		Yes	Į			
	follectors name?		No				
Sample I	Preservation_		110				
	the COC or field labels indicate the samples were pro	eserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved m	etals?	No				
Multipha	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	se?	No				
	, does the COC specify which phase(s) is to be analy		NA				
	eact Laboratory	o	No				
	amples required to get sent to a subcontract laborator	-	No	61 4 41 1			
	a subcontract laboratory specified by the client and if	so wilo:	NA	Subcontract Lab	o: na		
Client I	<u>nstruction</u>						

Date

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Fed 2419 WA2H 10.13.21

Spill

Work Order: E209007

Job Number: 21022-0001

Received: 9/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/7/22

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: 9/7/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Fed 2419 WA2H 10.13.21 Spill

Workorder: E209007

Date Received: 9/6/2022 8:24:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2022 8:24:00AM, under the Project Name: Mosaic Fed 2419 WA2H 10.13.21 Spill.

The analytical test results summarized in this report with the Project Name: Mosaic Fed 2419 WA2H 10.13.21 Spill apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA2H 10.13.21 Spill	Donoutoda
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/07/22 14:53

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CONF26 - 0.5'	E209007-01A Soil	09/02/22	09/06/22	Glass Jar, 4 oz.
CONF27 - 0.5'	E209007-02A Soil	09/02/22	09/06/22	Glass Jar, 4 oz.
CONF28 - 0.5'	E209007-03A Soil	09/02/22	09/06/22	Glass Jar, 4 oz.



Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA2H 10.13.21 Spill	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/7/2022 2:53:28PM

CONF26 - 0.5'

E209007-01

	1207007 01					
P. ocult		Dib	ution	Dranarad	Analyzad	Notes
Result	Limit	Diit	шиоп	Frepared	Anaryzeu	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
ND	0.0250		1	09/06/22	09/06/22	
ND	0.0250		1	09/06/22	09/06/22	
ND	0.0250		1	09/06/22	09/06/22	
ND	0.0250		1	09/06/22	09/06/22	
ND	0.0500		1	09/06/22	09/06/22	
ND	0.0250		1	09/06/22	09/06/22	
	102 %	70-130		09/06/22	09/06/22	
	93.1 %	70-130		09/06/22	09/06/22	
	104 %	70-130		09/06/22	09/06/22	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
ND	20.0		1	09/06/22	09/06/22	
	102 %	70-130		09/06/22	09/06/22	
	93.1 %	70-130		09/06/22	09/06/22	
	104 %	70-130		09/06/22	09/06/22	
mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
31.9	25.0		1	09/06/22	09/06/22	
ND	50.0		1	09/06/22	09/06/22	
	87.7 %	50-200		09/06/22	09/06/22	
mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
	ND 31.9	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO2 % 93.1 % 104 % 104 % MD 20.0 102 % 93.1 % 104 % 104 % mg/kg mg/kg Mg/kg 104 % mg/kg 50.0	Result Limit Dilit	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 102 % 70-130 93.1 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 102 % 70-130 70-130 mg/kg mg/kg Analyst: mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/06/22 ND 0.0250 1 09/06/22 ND 0.0250 1 09/06/22 ND 0.0500 1 09/06/22 ND 0.0250 1 09/06/22 ND 0.0250 1 09/06/22 93.1 % 70-130 09/06/22 93.1 % 70-130 09/06/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/06/22 93.1 % 70-130 09/06/22 93.1 % 70-130 09/06/22 104 % 70-130 09/06/22 104 % 70-130 09/06/22 mg/kg mg/kg Analyst: JL 31.9 25.0 1 09/06/22 ND 50.0 1 09/06/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/06/22 09/06/22 ND 0.0250 1 09/06/22 09/06/22 ND 0.0250 1 09/06/22 09/06/22 ND 0.0500 1 09/06/22 09/06/22 ND 0.0250 1 09/06/22 09/06/22 ND 0.0250 1 09/06/22 09/06/22 ND 0.0250 1 09/06/22 09/06/22 93.1 % 70-130 09/06/22 09/06/22 93.1 % 70-130 09/06/22 09/06/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/06/22 09/06/22 93.1 % 70-130 09/06/22 09/06/22 104 % 70-130 09/06/22 09/06/22 104 % 70-130 09/06/22 09/06/22



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA2H 10.13.21 Spill1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:53:28PM

CONF27 - 0.5'

E209007-02

		2207 007 02					
		Reporting					N.
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		104 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		104 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237003
Diesel Range Organics (C10-C28)	ND	25.0		1	09/06/22	09/06/22	·
Oil Range Organics (C28-C36)	ND	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		95.7 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237002
Chloride	252	20.0		1	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA2H 10.13.21 Spill1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:53:28PM

CONF28 - 0.5'

E209007-03

		220,00, 00					
	D. Iv	Reporting		·	D 1		N
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2237001
Benzene	ND	0.0250		1	09/06/22	09/06/22	
Ethylbenzene	ND	0.0250		1	09/06/22	09/06/22	
Toluene	ND	0.0250		1	09/06/22	09/06/22	
o-Xylene	ND	0.0250		1	09/06/22	09/06/22	
p,m-Xylene	ND	0.0500		1	09/06/22	09/06/22	
Total Xylenes	ND	0.0250		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2237001
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/06/22	09/06/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/06/22	09/06/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		09/06/22	09/06/22	
Surrogate: Toluene-d8		106 %	70-130		09/06/22	09/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: ЛL		Batch: 2237003
Diesel Range Organics (C10-C28)	44.9	25.0		1	09/06/22	09/06/22	
Oil Range Organics (C28-C36)	58.9	50.0		1	09/06/22	09/06/22	
Surrogate: n-Nonane		106 %	50-200		09/06/22	09/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2237002
Chloride	419	20.0		1	09/06/22	09/06/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA2H 10.13.21 SpillReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:53:28PM

Carlsbad NM, 88220		Project Manager	r: As	shley Gioveng	50			9/	7/2022 2:53:28PM
	V	olatile Organi	ic Compo	unds by EP	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2237001-BLK1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22
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	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			
LCS (2237001-BS1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22
Benzene	2.28	0.0250	2.50		91.1	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130			
Toluene	2.16	0.0250	2.50		86.4	70-130			
o-Xylene	2.37	0.0250	2.50		95.0	70-130			
p,m-Xylene	4.63	0.0500	5.00		92.5	70-130			
Total Xylenes	7.00	0.0250	7.50		93.3	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			
LCS Dup (2237001-BSD1)							Prepared: 09	9/06/22 Anal	yzed: 09/06/22
Benzene	2.30	0.0250	2.50		92.1	70-130	1.09	23	
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130	0.0647	27	
Toluene	2.16	0.0250	2.50		86.2	70-130	0.209	24	
o-Xylene	2.38	0.0250	2.50		95.1	70-130	0.126	27	
p,m-Xylene	4.60	0.0500	5.00		92.0	70-130	0.553	27	
Total Xylenes	6.98	0.0250	7.50		93.0	70-130	0.322	27	
Surrogate: Bromofluorobenzene	0.520		0.500	<u> </u>	104	70-130		<u> </u>	

0.500

0.500

101

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.504

0.474

Surrogate: Bromofluorobenzene

QC Summary Data

Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA2H 10.13.21 SpillReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:53:28PM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: RKS

Prepared: 09/06/22 Analyzed: 09/06/22

0.0202

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	g %	%	%	%	Notes
Blank (2237001-BLK1)							Prepared: 0	9/06/22 Analy	yzed: 09/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			
LCS (2237001-BS2)							Prepared: 0	9/06/22 Analy	yzed: 09/06/22
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		88.9	70-130			

0.500

102

70-130

LCS Dup (2237001-BSD2)				
Surrogate: Toluene-d8	0.492	0.500	98.4	70-130
Surrogate: 1,2-Dichloroethane-d4	0.496	0.500	99.1	70-130

0.512

* `					
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	88.9	70-130
Surrogate: Bromofluorobenzene	0.499		0.500	99.7	70-130
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500	101	70-130
Surrogate: Toluene-d8	0.481		0.500	96.2	70-130

Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA2H 10.13.21 SpillReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/7/20222:53:28PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go				9/7/2022 2:53:28PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2237003-BLK1)							Prepared: 0	9/06/22 An	alyzed: 09/06/22
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.3		50.0		119	50-200			
CS (2237003-BS1)							Prepared: 0	9/06/22 An	alyzed: 09/06/22
iesel Range Organics (C10-C28)	230	25.0	250		92.0	38-132			
urrogate: n-Nonane	54.2		50.0		108	50-200			
Iatrix Spike (2237003-MS1)				Source:	E209008-	03	Prepared: 0	9/06/22 An	alyzed: 09/06/22
iesel Range Organics (C10-C28)	234	25.0	250	ND	93.7	38-132			
urrogate: n-Nonane	47.9		50.0		95.7	50-200			
Matrix Spike Dup (2237003-MSD1)				Source:	E209008-	03	Prepared: 0	9/06/22 An	alyzed: 09/06/22
iesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132	4.47	20	
urrogate: n-Nonane									



Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 2	Mosaic Fed 241 21022-0001 Ashley Gioveng		10.13.21 S	pill		Reported: 9/7/2022 2:53:28PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				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 (2237002-BLK1)							Prepared: 0	9/06/22 Aı	nalyzed: 09/06/22
Chloride	ND	20.0							
LCS (2237002-BS1)							Prepared: 0	9/06/22 Aı	nalyzed: 09/06/22
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2237002-BSD1)							Prepared: 0	9/06/22 Aı	nalyzed: 09/06/22
Chloride	246	20.0	250		98.4	90-110	0.171	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:	Mosaic Fed 2419 WA2H 10.13.21 Spill	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/07/22 14:53

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.



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.

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



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

@ envirotech

2:38:07

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envirotech Inc.

Printed: 9/6/2022 10:28:42AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

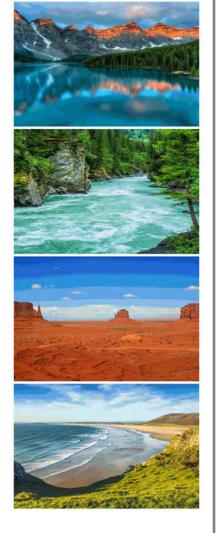
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Kaiser Francis Oil Company	Date Received:	09/06/22 (08:24	Work Order ID:	E209007
Phone:	(505) 382-1211	Date Logged In:	09/06/22 (08:30	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/06/22	17:00 (0 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	e number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>UPS</u>	<u>S</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes			
		temperature. 1	<u> </u>			
Sample C	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
	· · · · · · · · · · · · · · · · · · ·	ners conected:	105			
Field Lab	ner field sample labels filled out with the minimum info	rmation:				
	ample ID?	mation.	Yes			
	ate/Time Collected?		Yes	L		
	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are sa	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
	act Laboratory	,	1171			
		9	Ma			
	amples required to get sent to a subcontract laborato subcontract laboratory specified by the client and it	-	No NA	C1		
		i so wilo:	INA	Subcontract Lab: n	1a	
Client In	<u>struction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Fed 2419 WA #002H

Work Order: E209016

Job Number: 21022-0001

Received: 9/7/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/8/22

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: 9/8/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Fed 2419 WA #002H

Workorder: E209016

Date Received: 9/7/2022 5:40:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2022 5:40:00PM, under the Project Name: Mosaic Fed 2419 WA #002H.

The analytical test results summarized in this report with the Project Name: Mosaic Fed 2419 WA #002H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Sample Summary

Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA #002H	Ponoutod.
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/08/22 12:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF07-4'	E209016-01A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF29-1.5'	E209016-02A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF30-2'	E209016-03A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF31-1.5'	E209016-04A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF33-0.5'	E209016-05A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF36-1'	E209016-06A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF37-1'	E209016-07A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF41-1'	E209016-08A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.
CONF42-1'	E209016-09A	Soil	09/02/22	09/07/22	Glass Jar, 4 oz.

Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/8/2022 12:28:34PM

CONF07-4' E209016-01

		E209010-01					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RI	ζS		Batch: 2237021
Benzene	ND	0.0250	1		09/07/22	09/07/22	
Ethylbenzene	ND	0.0250	1		09/07/22	09/07/22	
Toluene	ND	0.0250	1		09/07/22	09/07/22	
o-Xylene	ND	0.0250	1		09/07/22	09/07/22	
p,m-Xylene	ND	0.0500	1		09/07/22	09/07/22	
Total Xylenes	ND	0.0250	1	ļ	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		95.3 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RI	ΚS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		95.3 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		98.2 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	1	!	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	09/07/22	09/07/22	
Surrogate: n-Nonane		90.4 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2237023
Chloride	ND	200	10	0	09/07/22	09/07/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF29-1.5'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Benzene	ND	0.0250		1	09/07/22	09/07/22	
Ethylbenzene	ND	0.0250		1	09/07/22	09/07/22	
Toluene	ND	0.0250		1	09/07/22	09/07/22	
o-Xylene	ND	0.0250		1	09/07/22	09/07/22	
p,m-Xylene	ND	0.0500		1	09/07/22	09/07/22	
Total Xylenes	ND	0.0250		1	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		99.4 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		99.4 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		97.7 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0		1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/07/22	09/07/22	
Surrogate: n-Nonane		99.2 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237023
Chloride	382	40.0		2	09/07/22	09/07/22	



Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/8/2022 12:28:34PM

CONF30-2' E209016-03

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2237021
Benzene	ND	0.0250	1	09/07/22	2 09/08/22	
Ethylbenzene	ND	0.0250	1	09/07/22	2 09/08/22	
Toluene	ND	0.0250	1	09/07/22	2 09/08/22	
o-Xylene	ND	0.0250	1	09/07/22	2 09/08/22	
p,m-Xylene	ND	0.0500	1	09/07/22	2 09/08/22	
Total Xylenes	ND	0.0250	1	09/07/22	2 09/08/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	09/07/22	2 09/08/22	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/07/22	2 09/08/22	
Surrogate: Toluene-d8		96.9 %	70-130	09/07/22	2 09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/07/22	2 09/08/22	
Surrogate: Bromofluorobenzene		95.4 %	70-130	09/07/22	2 09/08/22	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/07/22	2 09/08/22	
Surrogate: Toluene-d8		96.9 %	70-130	09/07/22	2 09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/07/22	2 09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/07/22	2 09/08/22	
Surrogate: n-Nonane		106 %	50-200	09/07/22	2 09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2237023
Chloride	397	200	10	09/07/22	2 09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF31-1.5'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Benzene	ND	0.0250		1	09/07/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/07/22	09/08/22	
Toluene	ND	0.0250		1	09/07/22	09/08/22	
o-Xylene	ND	0.0250		1	09/07/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/07/22	09/08/22	
Total Xylenes	ND	0.0250		1	09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		96.9 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		96.9 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	•	1	09/07/22	09/07/22	_
Oil Range Organics (C28-C36)	ND	50.0		1	09/07/22	09/07/22	
Surrogate: n-Nonane		104 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237023
	411	40.0		2	09/07/22	09/07/22	

Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF33-0.5'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Benzene	ND	0.0250		1	09/07/22	09/07/22	
Ethylbenzene	ND	0.0250		1	09/07/22	09/07/22	
Toluene	ND	0.0250		1	09/07/22	09/07/22	
o-Xylene	ND	0.0250		1	09/07/22	09/07/22	
p,m-Xylene	ND	0.0500		1	09/07/22	09/07/22	
Total Xylenes	ND	0.0250		1	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		107 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		107 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0		1	09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/07/22	09/07/22	
Surrogate: n-Nonane		104 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2237023

Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF36-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2237021
Benzene	ND	0.0250	1		09/07/22	09/07/22	
Ethylbenzene	ND	0.0250	1		09/07/22	09/07/22	
Toluene	ND	0.0250	1	l	09/07/22	09/07/22	
o-Xylene	ND	0.0250	1		09/07/22	09/07/22	
p,m-Xylene	ND	0.0500	1	l	09/07/22	09/07/22	
Total Xylenes	ND	0.0250	1		09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		106 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/07/22	09/07/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/07/22	09/07/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/07/22	09/07/22	
Surrogate: Toluene-d8		106 %	70-130		09/07/22	09/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	1		09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	09/07/22	09/08/22	
Surrogate: n-Nonane		105 %	50-200		09/07/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2237023
Amons by EFA 500.0/9050A							



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF37-1'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2237021
Benzene	ND	0.0250	1		09/07/22	09/08/22	
Ethylbenzene	ND	0.0250	1		09/07/22	09/08/22	
Toluene	ND	0.0250	1		09/07/22	09/08/22	
o-Xylene	ND	0.0250	1		09/07/22	09/08/22	
p,m-Xylene	ND	0.0500	1		09/07/22	09/08/22	
Total Xylenes	ND	0.0250	1		09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		104 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RK	S		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		104 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	1		09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/07/22	09/07/22	
Surrogate: n-Nonane		99.9 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2237023
7 THIOHS BY E171 500:0/703011							



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF41-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2237021
Benzene	ND	0.0250	1		09/07/22	09/08/22	
Ethylbenzene	ND	0.0250	1		09/07/22	09/08/22	
Toluene	ND	0.0250	1		09/07/22	09/08/22	
o-Xylene	ND	0.0250	1		09/07/22	09/08/22	
p,m-Xylene	ND	0.0500	1		09/07/22	09/08/22	
Total Xylenes	ND	0.0250	1		09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst: I	RKS		Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	πL		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0	1		09/07/22	09/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/07/22	09/07/22	
Surrogate: n-Nonane		101 %	50-200		09/07/22	09/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2237023
	506	20.0	•		09/07/22	09/08/22	.,,



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

CONF42-1'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2237021
Benzene	ND	0.0250		1	09/07/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/07/22	09/08/22	
Toluene	ND	0.0250		1	09/07/22	09/08/22	
o-Xylene	ND	0.0250		1	09/07/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/07/22	09/08/22	
Total Xylenes	ND	0.0250		1	09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		103 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2237021
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/07/22	09/08/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130		09/07/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		09/07/22	09/08/22	
Surrogate: Toluene-d8		103 %	70-130		09/07/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2237019
Diesel Range Organics (C10-C28)	ND	25.0		1	09/07/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/07/22	09/08/22	
Surrogate: n-Nonane		99.9 %	50-200		09/07/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2237023
Chloride	469	20.0		1	09/07/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	50			9/	8/2022 12:28:34PM		
	Vo	Volatile Organic Compounds by EPA 8260B							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2237021-BLK1)							Prepared: 09	9/07/22 Ana	lyzed: 09/07/22		
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		94.3	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130					
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130					
LCS (2237021-BS1)							Prepared: 09	9/07/22 Ana	lyzed: 09/07/22		
Benzene	2.80	0.0250	2.50		112	70-130					
Ethylbenzene	2.84	0.0250	2.50		114	70-130					
Toluene	2.62	0.0250	2.50		105	70-130					
o-Xylene	2.89	0.0250	2.50		116	70-130					
p,m-Xylene	5.66	0.0500	5.00		113	70-130					
Total Xylenes	8.55	0.0250	7.50		114	70-130					
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130					
Surrogate: Toluene-d8	0.475		0.500		94.9	70-130					
LCS Dup (2237021-BSD1)							Prepared: 09	9/07/22 Ana	lyzed: 09/08/22		
Benzene	2.36	0.0250	2.50		94.5	70-130	16.9	23			
Ethylbenzene	2.57	0.0250	2.50		103	70-130	10.1	27			
Toluene	2.40	0.0250	2.50		96.1	70-130	8.68	24			
o-Xylene	2.53	0.0250	2.50		101	70-130	13.1	27			
p,m-Xylene	5.03	0.0500	5.00		100	70-130	11.9	27			
Total Xylenes	7.56	0.0250	7.50		101	70-130	12.3	27			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.425		0.500		84.9	70-130					

0.500

70-130



Surrogate: Toluene-d8

0.504

Gasoline Range Organics (C6-C10)

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Kaiser Francis Oil CompanyProject Name:Mosaic Fed 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/8/2022 12:28:34PM

Nonhalogenated	Organics l	hy EPA	8015D -	GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2237021-BLK1)							Prepared: 0	9/07/22 Analy	yzed: 09/07/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			
LCS (2237021-BS2)]	Prepared: 0	9/07/22 Analy	yzed: 09/07/22
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.7	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			
LCS Dup (2237021-BSD2)]	Prepared: 0	9/07/22 Analy	yzed: 09/07/22

50.0

0.500

0.500

0.500

93.3

102

97.3

97.2

70-130

70-130

70 - 130

70-130

10.8

46.6

0.510

0.487

0.486

20.0



Kaiser Francis Oil Company	Project Name:	Mosaic Fed 2419 WA #002H	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	•
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/8/2022 12:28:34PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go				9/8/2022 12:28:34PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2237019-BLK1)							Prepared: 0	9/07/22 A1	nalyzed: 09/07/22	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	51.6		50.0		103	50-200				
LCS (2237019-BS1)							Prepared: 0	9/07/22 Aı	nalyzed: 09/07/22	
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132				
Surrogate: n-Nonane	51.3		50.0		103	50-200				
Matrix Spike (2237019-MS1)				Source:	E209014-	01	Prepared: 0	9/07/22 Aı	nalyzed: 09/07/22	
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132				
Surrogate: n-Nonane	52.9		50.0		106	50-200				
Matrix Spike Dup (2237019-MSD1)				Source:	E209014-	01	Prepared: 0	9/07/22 A1	nalyzed: 09/07/22	
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	0.637	20		
Surrogate: n-Nonane	53.2		50.0		106	50-200				



Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: :	Mosaic Fed 241 21022-0001 Ashley Gioveng		2Н			Reported: 9/8/2022 12:28:34PM
Carisbau IVIVI, 00220				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 (2237023-BLK1)							Prepared: 09	9/07/22 A	nalyzed: 09/07/22
Chloride	ND	20.0							
LCS (2237023-BS1)							Prepared: 09	9/07/22 A	nalyzed: 09/07/22
Chloride	248	20.0	250		99.2	90-110			
LCS Dup (2237023-BSD1)							Prepared: 09	9/07/22 A	nalyzed: 09/07/22
Chloride	247	20.0	250		98.7	90-110	0.494	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:	Mosaic Fed 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/08/22 12:28

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.



age	1	of	١	rect
-6-		٠.	_	-5

#-002H	•											
Client: VFO C Bill To			1.4.5	La	b Us	e Onl	V			TAT		EPA Program
Project: MosaicFed 2419WA Attention: Wescom, Inc	<u>. </u>	Lab	WO#		2	Job N	lumber	1D	2D	3D S	Standard	CWA SDWA
Project Manager: Ashle Giovenso Address: 1224 Stando: ec Address: 1224 Stando: ec City, State, Zip Carls bad, N 8822 Done: 505-382-121	Rd	Εé	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>	<u> </u>	<u> 210</u>	200-CM	X	1			
Address: 1221 Stando: 00 PC City, State, Zip Car Island, N	mss	22	0			Analy:	sis and Method	1 (RCRA
City, State, Zip (a r s back, N m 8822 Done: 505 - 382 - 121)				- 1	ı	İ	i	1				
Phone Son Pay 1 - 1 Email a a la la a a soldana	50	8015	8015	- 1		1				1 1	<u> </u>	State
Report due by: Wescoming com	m	30 by 8	(O by 8	8021	8260	6010	300.0	Σ	F		NM CO	UT AZ TX
Time Date Matrix No. of Containers Sample ID	Lab Number	DRO/ORO by	GRO/DRO by	BTEX by	VOC by 8260	Metals 6010	Chloride 300.	BGDOC	BGDOC			Remarks
7:24 09/02 5 1-AT CONFO7-4'	1							X				
5:49-9/02 5 CONF29-1-51	2							X				
7:30 09/07 5 CONF30-2'	3							X				
5:5409/02 5 CON F31-1.51	4							\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
4:3501025 CONF33-0.5'	5							\ <u>\</u>				
4:4909lo25 CONF36-1'	0							7				
16:4509625 CON =37-1'	1							X				
16:2709/025 CONF41-1'	8							X				
14:28 09/02 5 CONF42-1'	9							X				
Additional Instructions: Preserved on ice; aleas & Company of the Sampler, attest to the validity and authentidity of the sample. I am avade that tampering with or intentionally mislabelling.	com	va Y	۲. }	~~	'V 4	207	er, co	10	. l	our:	tona	rd
date of time of collection is considered fraud and may be grounds for legal action. Sampled by:	ng the sample	locatio	on,		- 1		requiring thermal pr in ice at an avg temp				•	they are sampled or received ys.
Refined by: (Signature) Date 1 Time 3 : 38 Aug Well Received by: (Signature)	P/1/2	2	Time /3:	38		Rece	ived onlice:		ab Us	se Only		
Relinquisher by: (Signature) Date 1/2 Z Time Received by: (Signature)	9/4/2	\mathfrak{D}	Time	7:4	\bigcirc	T1		<u>T2</u>			<u>T3</u>	
Relinquished by: (Signature) Date Time Received by: (Signature)	Date	•	Time			AVG	Temp [®] C ({) - 12.5 [변경 : 15 : 15]] - 12.5 [15 : 15 : 15 : 15 : 15 : 15 : 15 : 15
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container	Туре	: g - g	lass, p			stic, ag - ambe	r glas	ss, 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

or on the report.

The report for the analysis of the above or on the report.

Page 14 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 Inc.

Printed: 9/7/2022 11:13:36PM

Envirotech Analytical Laboratory

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.

Date Logged in By Alexa Michaele	Client:	Kaiser Francis Oil Company	Date Received:	09/07/22	17:40	,	Work Order ID:	E209016
Semilable Semi	Phone:	(505) 382-1211	Date Logged In:	09/07/22	09:29		Logged In By:	Alexa Michaels
Chain of Custody (COC)								
1. Does the sample ID match the COC? 2. Does the number of sampling site location match the COC 3. Does the number of sampling site location match the COC 4. Wes the COC complete, i.e., signatures, dates/irines, requested analyses? 5. Were all samples per cerviced within boding time? 6. Nore: Analysis, such as pH which should be conducted in the field, ia, 15 minute hold time, are on included in this diseasesion. Sample Turn Around Time (TAT) 6. Did the COC indicate stundard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals present? 10. Were custody/security seals present? 11. If yes, were ensoted/security seals inter? 12. Was the sample received on ice? If yes, the recorded semp is 4%, i.e., 6% 2°C Note: Thermal preservation is not required, if samples are received will 15 minute of sampling 13. If not wishe ice, record the temperature. Actual sample temperature: 4°C 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Ar non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(y) correctly preserved? 23. Les lab filteration required and/or requested for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. No. 26. Subcontract Laboratory. 26. Subcontract Laboratory. 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples of heave four than one phase, i.e., multiphase? 29. Was a subcontract Laboratory.								
2. Does the number of samples per samplins gite location match the COC 3. Were samples dopped off by client or earnier? 4. Was the COC complete, i.e., signatures, dates/innes, requested analyses? 5. Were all samples received within holding time? Note Analysis, anch as pl which shoulds be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Timer CTAT 7. Did the COC indicate standard TAT, or Expedited TAT? 8. If yes, was cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample's preceived in good condition? 10. Were custedly/security seals intact? 10. Were custedly/security seals intact? 11. If yes, were custedly/security seals intact? 12. Was the sample received on ized 'Iyes, the recorded temp is 4°C, i.e., 6°22°C Note: Thermal poservation is not required, if samples are neceword with 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature 4°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head passe less than 6-8 mm (pea sized or less)? 17. Was a sinjb hank (TB) included for VOC analyses? 18. As a non-VOC samples collected in VOA Vials? 19. Uses the proprinte volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample Preservation 21. Does the Sample Are more than one phase, i.e., multiphase? 19. La lab filteration required and for requested for dissolved metals? 10. The possible in the correce to the correce of the correce of the possible and the received with the minimum information: 10. Sample Preservation 11. If yes, does the COC er field labels indicate the samples were preserved? 10. La lab filteration required and for requested for dissolved metals? 10. The possible in the correce temperature and the required and for requested for dissolved metals? 10. The possible in the correct perserved? 10. La lab filteration requi	Chain of	Custody (COC)						
2. Does the number of samples per samplins gite location match the COC 3. Were samples dopped off by client or earnier? 4. Was the COC complete, i.e., signatures, dates/innes, requested analyses? 5. Were all samples received within holding time? Note Analysis, anch as pl which shoulds be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Timer CTAT 7. Did the COC indicate standard TAT, or Expedited TAT? 8. If yes, was cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample's preceived in good condition? 10. Were custedly/security seals intact? 10. Were custedly/security seals intact? 11. If yes, were custedly/security seals intact? 12. Was the sample received on ized 'Iyes, the recorded temp is 4°C, i.e., 6°22°C Note: Thermal poservation is not required, if samples are neceword with 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature 4°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head passe less than 6-8 mm (pea sized or less)? 17. Was a sinjb hank (TB) included for VOC analyses? 18. As a non-VOC samples collected in VOA Vials? 19. Uses the proprinte volume/weight or number of sample containers collected? 19. Were field sample labels filled out with the minimum information: Sample Preservation 21. Does the Sample Are more than one phase, i.e., multiphase? 19. La lab filteration required and for requested for dissolved metals? 10. The possible in the correce to the correce of the correce of the possible and the received with the minimum information: 10. Sample Preservation 11. If yes, does the COC er field labels indicate the samples were preserved? 10. La lab filteration required and for requested for dissolved metals? 10. The possible in the correce temperature and the required and for requested for dissolved metals? 10. The possible in the correct perserved? 10. La lab filteration requi	1. Does th	ne sample ID match the COC?		Yes				
3. Were samples deopped off by client or carrier? Yes Carrier: UPS 4. Was the COC complete, i.e. signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? received within holding time? 6. Did the COC conflicate standard TAT, or Expedited TAT? Yes 8 Lind Land Cotto inciate standard TAT, or Expedited TAT? Yes 8 Lif yes, was cooler received? Yes 9. Was the sample ocoler received in good condition? Yes 9. Was the sample ocycered intact, i.e., not broken? Yes 10. Were custody/security seals present? Na 11. If yes, were custody/security seals present? Yes 12. Was the sample received on ice! If yes, the recorded temp is 4°C, i.e., 6°2°C Yes No Na 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Yes 8ample Container Na 14. Are aqueous VOC samples present? Na 15. Are VOC samples collected in VOA vials? Na 16. Is the head space less than 6-8 rum (pa sized or less)? Na 19. Is the papeoprist volume/weight or number of sample containers collected? Yes Polate? Head Label		-	tch the COC	Yes				
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding times? 8. Fire and samples received within holding times? 8. Fire analysis, such as pit which should be conducted in the field, i.e., 15 minute hold time, are not included in this disascision. 8. Fire analysis, such as pit which should be conducted in this disascision. 8. Fire analysis, such as pit which should be conducted in this disascision. 8. Fire analysis, such as a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the samples preceived in good condition? 11. If yes, were custody/security seals present? 10. Were custody/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on it is fire, the recorded temp is 4°C, i.e., 6°42°C Note: Themal preservation is not required, if samples are received wit 15 minutes of sampling. 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 8. Fire analysis of sampling. 14. Are aqueous VOC samples present? 15. Are YOC samples collected in VOA Visla? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was at rip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. The patern of the sample sollected? 19. The patern of the sample sollected? 19. The patern of the sample was presented? 20. Were field sample labels filled out with the minimum information: 8. Sample D? Collectors name? 10. Date Time Collected? 10. Samples preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are samplefy correctly preserved? 23. Les sample for overed preserved? 24. Es fall filteration required and/or requested for dissolved metals? 25. Collectors sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase,	3. Were sa	amples dropped off by client or carrier?			Carrier: U	JPS		
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Client Instruction	29. was a	subcontract laboratory specified by the cheft and I	i so wiio?	NA	Subcontract Lab	: NA		
	Client Ir	<u>istruction</u>						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Federal 2419 WA #002H

Work Order: E209020

Job Number: 21022-0001

Received: 9/8/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/9/22

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: 9/9/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Federal 2419 WA #002H

Workorder: E209020

Date Received: 9/8/2022 10:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/8/2022 10:30:00AM, under the Project Name: Mosaic Federal 2419 WA #002H.

The analytical test results summarized in this report with the Project Name: Mosaic Federal 2419 WA #002H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Kaiser Francis Oil Company	Project Name:	umber: 21022-0001	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/09/22 13:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS07A-0'	E209020-01A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
SS08-0'	E209020-02A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF34-1'	E209020-03A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF35-1'	E209020-04A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF38-1.5'	E209020-05A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF39-1.5'	E209020-06A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF40-1.5'	E209020-07A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF44-1.5'	E209020-08A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF45-1.5'	E209020-09A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF46-2'	E209020-10A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF47-2'	E209020-11A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF48-1.5'	E209020-12A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF49WALL-1.5'	E209020-13A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF50WALL-1'	E209020-14A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF51WALL-1'	E209020-15A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF52WALL-1'	E209020-16A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.
CONF53-0'	E209020-17A	Soil	09/06/22	09/08/22	Glass Jar, 4 oz.



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/20221:39:51PM

SS07A-0' E209020-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/08/22	
Toluene	ND	0.0250		1	09/08/22	09/08/22	
o-Xylene	ND	0.0250		1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.3 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		94.9 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.3 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: Л		Batch: 2237043
Diesel Range Organics (C10-C28)	257	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	293	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		101 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2237038
Chloride	47.0	20.0		1	09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/20221:39:51PM

SS08-0'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2237033
Benzene	ND	0.0250	1		09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1		09/08/22	09/08/22	
Toluene	ND	0.0250	1		09/08/22	09/08/22	
o-Xylene	ND	0.0250	1		09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1		09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1		09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		99.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		99.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u>. </u>	09/08/22	09/08/22	
Surrogate: n-Nonane		102 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	KL		Batch: 2237038
	130	20.0			09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF34-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250	1	l	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1	l	09/08/22	09/08/22	
Toluene	ND	0.0250	1	l	09/08/22	09/08/22	
o-Xylene	ND	0.0250	1	l	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1	l	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	l	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.2 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	<u> </u>	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.2 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/08/22	09/08/22	
Surrogate: n-Nonane		100 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
	345	40.0	2		09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF35-1'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250	1	1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1	1	09/08/22	09/08/22	
Toluene	ND	0.0250	1	1	09/08/22	09/08/22	
o-Xylene	ND	0.0250	1	1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1	1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.6 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/08/22	09/08/22	
Surrogate: n-Nonane		101 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF38-1.5'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2237033
Benzene	ND	0.0250	1		09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1		09/08/22	09/08/22	
Toluene	ND	0.0250	1		09/08/22	09/08/22	
o-Xylene	ND	0.0250	1		09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1		09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	l	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.2 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: 1	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.2 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1		09/08/22	09/08/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	09/08/22	09/08/22	
Surrogate: n-Nonane		106 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	KL		Batch: 2237038
						09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF39-1.5'

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/08/22	
Toluene	ND	0.0250		1	09/08/22	09/08/22	
o-Xylene	ND	0.0250		1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		97.5 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		97.5 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		110 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2237038
Chloride	451	40.0		2	09/08/22	09/08/22	•



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF40-1.5'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2237033
Benzene	ND	0.0250	1	1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1	1	09/08/22	09/08/22	
Toluene	ND	0.0250	1	1	09/08/22	09/08/22	
o-Xylene	ND	0.0250	1	1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1	1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.5 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		96.5 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/08/22	09/08/22	
Surrogate: n-Nonane		112 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
Chloride	371	40.0		2	09/08/22	09/08/22	· · · · · · · · · · · · · · · · · · ·



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/20221:39:51PM

CONF44-1.5'

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/09/22	
Toluene	ND	0.0250		1	09/08/22	09/09/22	
o-Xylene	ND	0.0250		1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250		1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		88.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		88.2 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8		97.1 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		117 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2237038
Chloride	131	40.0		2	09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF45-1.5'

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/09/22	
Toluene	ND	0.0250		1	09/08/22	09/09/22	
o-Xylene	ND	0.0250		1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250		1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8		96.9 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		95.9 %	70-130		09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130		09/08/22	09/09/22	
Surrogate: Toluene-d8		96.9 %	70-130		09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		94.0 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
Chloride	204	100		5	09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/20221:39:51PM

CONF46-2' E209020-10

		E207020-10				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2237033
Benzene	ND	0.0250	1	09/08/22	09/09/22	
Ethylbenzene	ND	0.0250	1	09/08/22	09/09/22	
Toluene	ND	0.0250	1	09/08/22	09/09/22	
o-Xylene	ND	0.0250	1	09/08/22	09/09/22	
p,m-Xylene	ND	0.0500	1	09/08/22	09/09/22	
Total Xylenes	ND	0.0250	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/08/22	09/09/22	
Surrogate: Toluene-d8		96.2 %	70-130	09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	09/09/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130	09/08/22	09/09/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/08/22	09/09/22	
Surrogate: Toluene-d8		96.2 %	70-130	09/08/22	09/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	09/08/22	
Surrogate: n-Nonane		105 %	50-200	09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2237038
Chloride	364	200	10	09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF47-2'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: l	ΙΥ		Batch: 2237033
Benzene	ND	0.0250	1	1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1	1	09/08/22	09/08/22	
Toluene	ND	0.0250	1	1	09/08/22	09/08/22	
o-Xylene	ND	0.0250	1	1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1	1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		108 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: l	ΙΥ		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		108 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ΠL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/08/22	09/08/22	
Surrogate: n-Nonane		113 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	KL		Batch: 2237038
inions by Elitteooio/2000il							



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF48-1.5'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/08/22	
Toluene	ND	0.0250		1	09/08/22	09/08/22	
o-Xylene	ND	0.0250		1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		109 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
				5	·	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF49WALL-1.5'

		Reporting					
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/08/22	
Toluene	ND	0.0250		1	09/08/22	09/08/22	
o-Xylene	ND	0.0250		1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	<u> </u>	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		83.9 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
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Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF50WALL-1'

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Benzene	ND	0.0250		1	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250		1	09/08/22	09/08/22	
Toluene	ND	0.0250		1	09/08/22	09/08/22	
o-Xylene	ND	0.0250		1	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500		1	09/08/22	09/08/22	
Total Xylenes	ND	0.0250		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		106 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0		1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0		1	09/08/22	09/08/22	
Surrogate: n-Nonane		85.0 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2237038
	159	100		5	09/08/22	09/08/22	



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/202 1:39:51PM

CONF51WALL-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2237033
Benzene	ND	0.0250	1	l	09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1	l	09/08/22	09/08/22	
Toluene	ND	0.0250	1	l	09/08/22	09/08/22	
o-Xylene	ND	0.0250	1	l	09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1	l	09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		108 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		108 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	īL		Batch: 2237043
Diesel Range Organics (C10-C28)	25.3	25.0	1	1	09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/08/22	09/08/22	
Surrogate: n-Nonane		81.9 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	KL		Batch: 2237038



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF52WALL-1'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	?		Batch: 2237033
Benzene	ND	0.0250	1		09/08/22	09/08/22	
Ethylbenzene	ND	0.0250	1		09/08/22	09/08/22	
Toluene	ND	0.0250	1		09/08/22	09/08/22	
o-Xylene	ND	0.0250	1		09/08/22	09/08/22	
p,m-Xylene	ND	0.0500	1		09/08/22	09/08/22	
Total Xylenes	ND	0.0250	1		09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		105 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I\	?		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/08/22	09/08/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		09/08/22	09/08/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		09/08/22	09/08/22	
Surrogate: Toluene-d8		105 %	70-130		09/08/22	09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			Batch: 2237043
Diesel Range Organics (C10-C28)	43.1	25.0	1		09/08/22	09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1		09/08/22	09/08/22	
Surrogate: n-Nonane		95.0 %	50-200		09/08/22	09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	L		Batch: 2237038
Chloride	1520	20.0	1		09/08/22	09/08/22	·



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

CONF53-0'

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	d Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2237033
Benzene	ND	0.0250	1	09/08/22	2 09/08/22	
Ethylbenzene	ND	0.0250	1	09/08/22	2 09/08/22	
Toluene	ND	0.0250	1	09/08/22	2 09/08/22	
o-Xylene	ND	0.0250	1	09/08/22	2 09/08/22	
p,m-Xylene	ND	0.0500	1	09/08/22	2 09/08/22	
Total Xylenes	ND	0.0250	1	09/08/22	2 09/08/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130	09/08/22	2 09/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/08/22	2 09/08/22	
Surrogate: Toluene-d8		106 %	70-130	09/08/22	2 09/08/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2237033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/08/22	2 09/08/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130	09/08/22	2 09/08/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/08/22	2 09/08/22	
Surrogate: Toluene-d8		106 %	70-130	09/08/22	2 09/08/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: JL		Batch: 2237043
Diesel Range Organics (C10-C28)	ND	25.0	1	09/08/22	2 09/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/08/22	2 09/08/22	
Surrogate: n-Nonane		96.7 %	50-200	09/08/22	2 09/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: KL		Batch: 2237038



Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2022 1:39:51PM

Carlsbad NM, 88220		Project Manager	r: As	shley Gioveng	50			9/9	9/2022 1:39:51PM
	V	olatile Organi	ic Compo	unds by EP	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2237033-BLK1)]	Prepared: 09	9/07/22 Anal	yzed: 09/08/22
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	0.481		0.500		96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			
LCS (2237033-BS1)						1	Prepared: 09	9/07/22 Anal	yzed: 09/08/22
Benzene	2.26	0.0250	2.50		90.5	70-130			
Ethylbenzene	2.31	0.0250	2.50		92.3	70-130			
Toluene	2.16	0.0250	2.50		86.3	70-130			
o-Xylene	2.38	0.0250	2.50		95.1	70-130			
p,m-Xylene	4.58	0.0500	5.00		91.7	70-130			
Total Xylenes	6.96	0.0250	7.50		92.8	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			
LCS Dup (2237033-BSD1)						1	Prepared: 09	9/07/22 Anal	yzed: 09/09/22
Benzene	1.98	0.0250	2.50		79.3	70-130	13.1	23	
Ethylbenzene	2.05	0.0250	2.50		82.1	70-130	11.7	27	
Toluene	1.90	0.0250	2.50		75.8	70-130	12.9	24	
o-Xylene	2.09	0.0250	2.50		83.7	70-130	12.7	27	
p,m-Xylene	4.07	0.0500	5.00		81.5	70-130	11.8	27	
Total Xylenes	6.17	0.0250	7.50		82.2	70-130	12.1	27	
Surrogate: Bromofluorobenzene	0.526		0.500	<u> </u>	105	70-130		<u> </u>	

0.500

0.500

92.1

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.461

0.490

Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/9/2021:39:51PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Anal	

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

Blank (2237033-BLK1)						Prepared: 09	9/07/22 Analyzed: 0	9/08/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.481		0.500	96.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500	91.4	70-130			
Surrogate: Toluene-d8	0.490		0.500	97.9	70-130			
LCS (2237033-BS2)						Prepared: 09	9/07/22 Analyzed: 0	9/09/22
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	83.1	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500	89.1	70-130			
Surrogate: Toluene-d8	0.496		0.500	99.2	70-130			
LCS Dup (2237033-BSD2)						Prepared: 09	9/07/22 Analyzed: 0	9/09/22
Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	82.1	70-130	1.12	20	
Surrogate: Bromofluorobenzene	0.520		0.500	104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500	90.0	70-130			
Surrogate: Toluene-d8	0.491		0.500	98.1	70-130			



Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/9/2022 1:39:51PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go				9/9/2022 1:39:51PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2237043-BLK1)							Prepared: 0	9/08/22 An	alyzed: 09/08/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.7		50.0		107	50-200			
LCS (2237043-BS1)							Prepared: 0	9/08/22 An	alyzed: 09/08/22
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	55.8		50.0		112	50-200			
Matrix Spike (2237043-MS1)				Source:	E209020-	12	Prepared: 0	9/08/22 An	alyzed: 09/08/22
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
urrogate: n-Nonane	52.8		50.0		106	50-200			
Matrix Spike Dup (2237043-MSD1)				Source:	E209020-	12	Prepared: 0	9/08/22 An	alyzed: 09/08/22
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.712	20	
'urrogate: n-Nonane	53.6		50.0		107	50-200			



LCS Dup (2237038-BSD1)

Chloride

Prepared: 09/08/22 Analyzed: 09/08/22

20

QC Summary Data

Kaiser Francis Oil Company 1224 Standpipe Rd Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 2	Mosaic Federal 1022-0001 Ashley Gioveng		#002H			Reported: 9/9/2022 1:39:51PM
		Anions	by EPA	300.0/9056	\				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2237038-BLK1)							Prepared: 0	9/08/22 Ar	nalyzed: 09/08/22
Chloride LCS (2237038-BS1)	ND	20.0					Prepared: 0	9/08/22 Ar	nalyzed: 09/08/22
Chloride	252	20.0	250		101	90-110			

250

20.0

100

90-110

0.540

251

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:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/09/22 13:39

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.



Received by OCD: 9/13/2022 2:38:07 PM

Troject: Mosaic Federal 2419 WM #002H Toject Manager: Ashley Glovengo Toject Manager: Ashley Glovengo Address: 1224 Standpipe Rd City, State, Zip: Carlsbad, NM 88220 Phone: 505-382-1211 Email: ashley.glovengo@wescominc.com Faceboard tube by: F	Program
City_State_Zip: Carlsbad, NM 88220	
Address: 1224 Standpipe Rd	
Email: ashley.glovengo@wescominc.com Femail: ashley.glovengo@wescominc.com Femai	RCRA
Time Sampled Date Sampled	
Report due by:	2
12:58 9/6/22 Soil 1 Jar SS07A - 0']	AZ TX
12:58 9/6/22 Soil 1 Jar SS07A - 0' 1	
13:53 9/6/22 Soil 1 Jar SS08 - 0'	rks
10:09 9/6/22 Soil 1 Jar CONF35-1'	
10:17 9/6/22 Soil 1 Jar CONF35-1'	
10:43 9/6/22 Soil 1 Jar CONF38 - 1.5'	
10:46 9/6/22 Soil 1 Jar CONF40 - 1.5'	
10:48 9/6/22 Soil 1 Jar CONF40 - 1.5'	
11:12 9/6/22 Soil 1 Jar CONF44 - 1.5'	
11:14 9/6/22 Soil 1 Jar CONF45 - 1.5' 9	
14:30 9/6/22 Soil 1 Jar CONF46 - 2'	
Soil Tide 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 viti or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Sampled b	mpled or receive
Relinquished by (Signature) Received by (Signature) Received by (Signature) Received on ice: V/ N	
15 Mole Chat 9/8/22 10:30 11 12 13	
Relinquished by: (Signature) Date Time Received by: (Signature) 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	
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 client expense.	the above

rogr	am DWA	
	CRA	
TX		
_		1

The profess of the pr	Client: Kaiser Francis Oil Co				Bill To		Lab Us			se Only			TAT			EPA P	rogram				
Additional instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar, harvester@wescominc.com, ashley.giovengo@wescominc.com Confed with the conference of the collections to conduct the state to the validity and authenticity of this sample. I am aware that tames for legal action. Confed with the conference of the collection is conducted by: Confed with the conference of the collection is conducted by: Confed with the collection is conducted by: Confed wi	Project: Mosaic Federal 2419 WA #002H				002H	Attention: Wescom Inc		Lab WO#					2D	3D :	Standard		SDWA				
Titley, State, Zinc. Carlsbad, NM 88220 hone: 505-382-1211 mail: ashley,glovengo@wescominc.com sport due by: sport due by: sport d	Project Manager: Ashley Giovengo			Address: 1224 Standpipe Rd		E209020		U	X						3.0						
Contained Supplied Contained Supplied Contained Supplied Sup								220					Analy:	sis ar	nd Metho	d					RCRA
imali: ashlex.glovengo@wescominc.com legorid due by: Time State Sampled Date Dat				IM 88220		Phone: 50!	5-382-1211														
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Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample.	Email: ashley.giovengo@wescominc.com				com_			3y 8C	21	09		0.0					NM CO	UT AZ	TX		
Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample. I am aware that tamperor with of perioranity mid-shelling the sample location. [field sampler), attret to the validity and authenticity of this sample.	Report d	ue by:							ROL	RO t	y 80.	826	601	e 30			¥		×		
14:33 9/6/22 Soil 1 Jar CONF49Wall - 1.5' 14:41 9/6/22 Soil 1 Jar CONF50Wall - 1' 14:51 9/6/22 Soil 1 Jar CONF50Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF51Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF51Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF52Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF53 - 0' 17:38 9/6/22 Soil 1 Jar CONF53 - 0' 18:38 9/6/22 Soil 1 Jar CONF53 - 0' 18:38 9/6/22 Soil 1 Jar CONF53 - 0' 19:38		Matrix		Sample ID	ile ID			DRO/O	GRO/DI	втех ь	VOC by	Metals	Chlorid		верос	BGDOC			Remarks		
14:40 9/6/22 Soil 1 Jar CONF50Wall - 1' 14:51 9/6/22 Soil 1 Jar CONF51Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF52Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF52Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF52Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF53 - 0' 17:50 X X X X X X X X X X X X X X X X X X X	14:29	9/6/22	Soil	1 Jar		CONF47 - 2'										x					
14:40 9/6/22 Soil 1 Jar CONF50Wall - 1.5' 14:51 9/6/22 Soil 1 Jar CONF51Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF51Wall - 1' 14:55 9/6/22 Soil 1 Jar CONF52Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF53 - 0' 17	14:33	9/6/22	Soil	1 Jar	CONF48 - 1.5'			12								x					
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14:55 9/6/22 Soil 1 Jar CONF52Wall - 1' 15:38 9/6/22 Soil 1 Jar CONF53 - 0' Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with of infentionally mislabelling the sample location, packed in ice at an any temp above 0 but less than 6° Con subsequent days. (Samplers requiring thermal preservation must be received on ice the day they are sampled or received to ice at an any temp above 0 but less than 6° Con subsequent days. (Signature) Oate Time Oate Time Oate Time Oate Time Oate Oate Oate Oate Oate Oate Oate Oat	14:41	9/6/22	Soil	1 Jar	CONF50Wall - 1'			14								х			-1		
Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com (field sampler), attest to the validity and authenticity of this sample. I am aware that tambering with of infentionally mislabelling the sample location, state 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 by Signature) Selinquished by Signature Date Time Received by: (Signature) Date Time Received on ice: AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	14:51	9/6/22	Soil	1 Jar	CONF51Wall - 1'			15								х					
Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, ashley.giovengo@wescominc.com (field sampler), attest to the validity and authenticity of this sample. I am aware that tambering with of infentionally mislabelling the sample location, ashley.giovengo@wescominc.com Samples requiring thermal preservation must be received on ice the day they are sampled or received and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received and in ice at an avg temp above 0 but less than 6 °C on subsequent days. Time Lab Use Only Received by (Signature) Date Time Received by (Signature) Date Time Received on ice: AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	14:55	9/6/22	Soil	1 Jar	CONF52Wall - 1'			10								х					
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Relinquished by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Packed in Ice at an avg temp above 0 but less than 6 °C on subsequent days. Received by (Signature) Date Time Time AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Addition	al Instruc	tions: I	Cept on ic	e, Please CC:	cole.burton@we	cominc.com, shar.ha	rvester@wes	com	inc.co	om, a	ashle	y.gio	veng	o@wes	comir	nc.co	m			
Received by: (Signature) Date Time Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						1/	Y A V /	belling the sample	locati	on,										The second second	ed or received
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Relinqu shed by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinquish	ed by: Sign:	ature)	Date	7-2x Time	5 Receive	d by: (Signature)	Date .		A CONTRACTOR	2:6			.,		T2			<u>T</u> 3		
cample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinguish	ed by: (Sign:	ature)	Date	Time	Receive	by: (Signature)	Date		Time			AVG	Tem	p°C_	4					
lote: 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							r Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
, the report to the analysis of the above	Note: Sam	ples are disc	arded 30 d	lays after re	sults are reported	unless other arrange	ements are made. Hazardo	us samples will	be ret	urned	to cli	ent or	dispos	sed of	f at the clie	nt exp	ense.	The re	port for the ana	alysis of the	above

Printed: 9/8/2022 11:12:00AM

Envirotech Analytical Laboratory

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:	09/08/22	10:30	Work Order ID:	E209020
Phone:	(505) 382-1211	Date Logged In:	09/07/22	12:17	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	09/08/22	17:00 (0 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: <u>UPS</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u> Furn Around Time (TAT)</u>					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	, were custody/security seals intact?		No			
-	•		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
	Container	<u></u>	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	,9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
		ners conected?	108			
Field Lab		amatian				
	field sample labels filled out with the minimum info ample ID?	omiation.	Yes			
	Pate/Time Collected?		Yes			
	follectors name?		No			
Sample F	Preservation					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved r	netals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		y =	1421			
	<u>act Laboratory</u> amples required to get sent to a subcontract laborate	9	NI.			
	amples required to get sent to a subcontract laborator subcontract laboratory specified by the client and i	•	No NA	Subcontract Lab: NA		
Client Ir	<u>nstruction</u>					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Kaiser Francis Oil Company

Project Name: Mosaic Federal 2419 WA #002H

Work Order: E209038

Job Number: 21022-0001

Received: 9/12/2022

Revision: 0

Report Reviewed By:

Draft
Walter Hinchman
Laboratory Director
9/12/22

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: 9/12/22

Ashley Giovengo 1224 Standpipe Rd Carlsbad, NM 88220

Project Name: Mosaic Federal 2419 WA #002H

Workorder: E209038

Date Received: 9/12/2022 8:36:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2022 8:36:00AM, under the Project Name: Mosaic Federal 2419 WA #002H.

The analytical test results summarized in this report with the Project Name: Mosaic Federal 2419 WA #002H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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

ljarboe@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

Γ	Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	D (1
l	1224 Standpipe Rd	Project Number:	21022-0001	Reported:
l	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/12/22 15:11

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS03C-0'	E209038-01A Soil	09/08/22	09/12/22	Glass Jar, 2 oz.
SS03D-0'	E209038-02A Soil	09/08/22	09/12/22	Glass Jar, 2 oz.



Sample Data

Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/12/20223:11:05PM

SS03C-0' E209038-01

		Reporting				
Analyte	Result	Limit	Dilu	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY		Batch: 2238001
Benzene	ND	0.0250	1	09/12/2	22 09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/2	22 09/12/22	
Toluene	ND	0.0250	1	09/12/2	22 09/12/22	
o-Xylene	ND	0.0250	1	09/12/2	22 09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/2	22 09/12/22	
Total Xylenes	ND	0.0250	1	09/12/2	22 09/12/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	09/12/2	22 09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/12/2	22 09/12/22	
Surrogate: Toluene-d8		94.9 %	70-130	09/12/2	22 09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY		Batch: 2238001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/2	22 09/12/22	
Surrogate: Bromofluorobenzene		95.1 %	70-130	09/12/2	22 09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/12/2	22 09/12/22	
Surrogate: Toluene-d8		94.9 %	70-130	09/12/2	22 09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/2	22 09/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/2	22 09/12/22	
Surrogate: n-Nonane		90.7 %	50-200	09/12/2	22 09/12/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS		Batch: 2238005
Chloride	47.1	20.0	1	09/12/2	22 09/12/22	



Sample Data

Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002H1224 Standpipe RdProject Number:21022-0001Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/12/2023:11:05PM

SS03D-0' E209038-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2238001
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		94.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2238001
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		95.6 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		94.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: JL		Batch: 2238002
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/12/22	
Surrogate: n-Nonane		102 %	50-200	09/12/22	09/12/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: RAS		Batch: 2238005
Chloride	ND	20.0	1	09/12/22	09/12/22	

Surrogate: Toluene-d8

QC Summary Data

Kaiser Francis Oil CompanyProject Name:Mosaic Federal 2419 WA #002HReported:1224 Standpipe RdProject Number:21022-0001Carlsbad NM, 88220Project Manager:Ashley Giovengo9/12/20223:11:05PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go			9	0/12/2022 3:11:05PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238001-BLK1)							Prepared: 0	9/12/22 An	alyzed: 09/12/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.5	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			
LCS (2238001-BS1)							Prepared: 0	9/12/22 An	alyzed: 09/12/22
Benzene	2.17	0.0250	2.50		86.9	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.2	70-130			
Toluene	2.12	0.0250	2.50		84.7	70-130			
-Xylene	2.31	0.0250	2.50		92.5	70-130			
o,m-Xylene	4.52	0.0500	5.00		90.3	70-130			
Total Xylenes	6.83	0.0250	7.50		91.1	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		91.9	70-130			

0.500

70-130

0.488



QC Summary Data

Kaiser Francis Oil Company	Project Name:	Mosaic Federal 2419 WA #002H	Reported:
1224 Standpipe Rd	Project Number:	21022-0001	•
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/12/2022 3:11:05PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: IY

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

Blank (2238001-BLK1)	Prepared: 09/12/22 Analyzed: 09/12/22					
Gasoline Range Organics (C6-C10)	ND	20.0				
Surrogate: Bromofluorobenzene	0.486		0.500	97.1	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500	94.5	70-130	
Surrogate: Toluene-d8	0.481		0.500	96.2	70-130	

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:	Mosaic Federal 2419 WA #002H	
1224 Standpipe Rd	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/12/22 15:11

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.



Client: Kaiser Francis Oil Co Project: Mosaic Federal 2419 WA #002H			Bill To				La	b Us	se On	ly				TA	EPA P	rogram					
1				002H	Attention: Wescom Inc		Lab	WO#	100	7	Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA		
	Manager:				Address: 1224 Standpipe Rd		Łά	209	035	_	-		1000	X							
	1224 Sta				City, State, Zip: Carlsbad, NM 8	38220					Analy	sis a	nd Metho	d					RCRA		
_	te, Zip: Ca		IM 88220)	Phone: 505-382-1211		-				- 1										
	505-382-1		336-15-12-2		Email: ashley.giovengo@wesco	ominc.com	015	015										State			
	shley.giov	engo@w	escomin	c.com_		P		by 8	121	051	09	01	10	0.00		Σ			NM CO	UT AZ	TX
Report o	A		T	_		1	ORO	ORO	by 8021	y 82	9 60.	de 3			×		×				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remarks			
16:05	9/8/22	Soil	1 Jar		SS03C - 0'	1								x							
16:07	9/8/22	Soil	1 Jar		SS03D - 01	2								х							
														L							
Addition	nal Instruc	tions: I	Rept on it	ce, Please CC: o	cole.burton@wescominc.com, shar.h	narvester@we	scom	inc.c	om, a	ishle	y.gio	ven	go@weso	omi	nc.co	om					
				ticity of this sample. may be grounds for I	I am aware that tamperine with or intentionally mi	islabelling the sampl	e locati	on,									eived on ice the day		led or received		
				2.001 Time		Done	1	Time	bl)			I was a second			se On	ly				
Reinquis	nedy fiv: Jisye	ature)	9	C-II Time		Date 7-9-2	1.	Time	:15	_		eived	d on ice:	-	1)/1	4					
Relinquis	ned by: (Sign	ature)	Date			L Date	1,0	Time		,	T1		. /	<u>T2</u>			<u></u>				
M	1	-			40 Cattall	1 9/121	u	10	13	_			np°C_								
				Aqueous, O - Other _									, ag - amb					1	Self-man		
					unless other arrangements are made. Haza									nt exp	pense	. The r	eport for the an	alysis of the	above		

Printed: 9/12/2022 12:02:36PM

Envirotech Analytical Laboratory

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:	09/12/22	08:36	Work Order ID:	E209038
Phone:	(505) 382-1211	Date Logged In:	09/12/22	08:48	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/12/22 17:00 (0 day TAT)		<i>cc ,</i>	
Chain of	Custody (COC)					
1. Does the sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: Courier			
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.		Yes		Comment	s/Resolution	
Sample T	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	, were custody/security seals intact?		No			
-	· · · · · · · · · · · · · · · · · · ·		NA			
	ne sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes			
	visible ice, record the temperature. Actual sample	temperature: 40	<u>C</u>			
	<u>Container</u>					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field La						
	field sample labels filled out with the minimum info	ormation:	**			
	ample ID? Date/Time Collected?		Yes			
	Collectors name?		No No			
	Preservation		NO			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved n	netals?	No			
			110			
	ase Sample Matrix		N			
	the sample have more than one phase, i.e., multipha		No			
	, does the COC specify which phase(s) is to be analy	yzeu?	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborato	•	No			
29. Was a	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: na		
Client I	<u>nstruction</u>					

Date

ATTACHMENT F

Extension Requests

Ashley Giovengo

From: Aaron Daniels <aarond@kfoc.net>

Sent: Thursday, September 8, 2022 10:15 AM

To: Hutton Andrew

Subject: FW: (Final Extension) NAPP2128846984 - Mosaic Federal 2419 WA #002H

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Friday, June 10, 2022 3:53 PM
To: Aaron Daniels <aarond@kfoc.net>

Cc: Hutton Andrew < Huttona@kfoc.net>; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>; Nobui, Jennifer,

EMNRD < Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD < Jocelyn.Harimon@state.nm.us>

Subject: [EXTERNAL] (Final Extension) NAPP2128846984 - Mosaic Federal 2419 WA #002H

RE: Incident #NAPP2128846984

Aaron,

Your request for an extension to **September 13th, 2022** is approved. This will be the **final extension** for this release. The release occurred roughly 8 months ago and the OCD requests a remediation plan within the next 90 days. Move the flowback equipment if necessary. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet . Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Aaron Daniels aarond@kfoc.net Sent: Friday, June 10, 2022 2:12 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us; Hensley, Chad, EMNRD < Chad.Hensley@state.nm.us; Velez, Nelson, EMNRD < Nelson, EMNRD < Lennifer.Nobui@state.nm.us; Hutton Andrew

<Huttona@kfoc.net>

Subject: [EXTERNAL] RE: (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

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

Robert,

Received by OCD: 9/13/2022 2:38:07 PM

Released to Imaging: 12/12/2022 10:59:44 AM

After visiting with our Production Superintendent I wanted to provide the following update -

We are experiencing additional/continued sand concerns after being frac hit on 2 wells at this location – we will continue to have flowback equipment in place, as such.

Therefore, I am requesting another 90 day extension.

I will continue to provide updates on our flowback status.

Thanks,

Aaron Daniels EHS Manager Kaiser-Francis Oil Company 918-491-4352

From: Aaron Daniels

Sent: Tuesday, March 8, 2022 11:01 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Charles Lock < CharlesL@kfoc.net >; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD < Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD

<Jennifer.Nobui@state.nm.us>

Subject: RE: (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

Thanks Robert. Will do.

Aaron

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us >

Sent: Tuesday, March 8, 2022 10:06 AM To: Aaron Daniels <aarond@kfoc.net>

Cc: Charles Lock < CharlesL@kfoc.net >; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD

<Jennifer.Nobui@state.nm.us>

Subject: [EXTERNAL] (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

RE: Incident #NAPP2128846984

Aaron,

Received by OCD: 9/13/2022 2:38:07 PM

Your request for an extension to June 13th, 2022 is approved. Please let the OCD know when the flowback equipment on the pad has been moved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Aaron Daniels <aarond@kfoc.net>
Sent: Monday, March 7, 2022 10:38 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Charles Lock < CharlesL@kfoc.net >; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>

Subject: RE: [EXTERNAL] RE: (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

Robert,

We currently have flowback equipment on pad where the remediation needs to occur.

Due to the timing of this release as it correlates with the life-cycle of this well (occurred during the frac), <u>I am requesting</u> an additional 90 day extension.

Aaron Daniels Sr. EHS Representative Kaiser-Francis Oil Company 918-491-4352

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Friday, January 21, 2022 10:50 AM To: Aaron Daniels <aarond@kfoc.net>

Cc: Charles Lock < CharlesL@kfoc.net >; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>

Subject: RE: [EXTERNAL] RE: (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

Aaron,

Received by OCD: 9/13/2022 2:38:07 PM

If you need an additional 30 days as the March 13^{th} deadline arrives, we can give you an additional 30 days at that point. Just send us an extension right before the deadline.

Just include this email in your request.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/





From: Aaron Daniels aarond@kfoc.net Sent: Friday, January 21, 2022 9:39 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Charles Lock < CharlesL@kfoc.net>; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>

Subject: [EXTERNAL] RE: (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

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

Robert,

I just realized that I requested a 90-day extension, but foolishly listed a date that made it a 60-day extension.

Can we establish that this was a 90-day extension, with the date of April 13th?

I apologize for the back and forth, and the error on my part.

Let me know your thoughts.

Aaron Daniels Sr. EHS Representative Kaiser-Francis Oil Company 918-491-4352

From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Tuesday, January 4, 2022 3:16 PM To: Aaron Daniels aarond@kfoc.net>

Cc: Charles Lock < CharlesL@kfoc.net >; Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

Subject: [EXTERNAL] (Extension Approval) nAPP2128846984 - Mosaic Federal 2419 WA #002H

RE: Incident #NAPP2128846984

Aaron,

Your request for an extension to March 13th, 2022 is approved.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/





From: Aaron Daniels <aarond@kfoc.net>
Sent: Monday, January 3, 2022 11:36 AM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>;

Eads, Cristina, EMNRD < Cristina. Eads@state.nm.us>; Hensley, Chad, EMNRD < Chad. Hensley@state.nm.us>

Cc: Charles Lock < Charles L@kfoc.net>

Subject: [EXTERNAL] nAPP2128846984 - Mosaic Federal 2419 WA #002H - 90 day extension

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

Good Morning All,

This email serves as an extension request for the remediation of the release associated with the Mosaic Federal 2419 WA #002H. I am requesting an extension from the original January 13, 2022 due date to March 13, 2022. The delay is due to ongoing operations on the well/wellhead/surrounding areas.

Thank you for your time and consideration.

Give me a call if you have any questions or concerns.

Aaron Daniels Sr. EHS Representative Kaiser-Francis Oil Company 918-491-4352

ATTACHMENT G

Confirmation Sampling Variance Request

Received by OCD: 9/13/2022 2:38:07 PM

Ashley Giovengo

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Tuesday, August 30, 2022 12:03 PM **To:** Shar Harvester; Enviro, OCD, EMNRD

Cc: Hutton Andrew; EHSDB; Aaron Daniels; Cole Burton; Israel Estrella; Ashley Giovengo

Subject: RE: [EXTERNAL] 48-Hour Notification (Same-Day Request) - Mosaic Federal 2419 WA #

002H - nAPP2128846984

Shar,

OCD will grant a variance to confirmation sample notification requirements listed in 19.15.29 NMAC, for this sampling event. Please proceed on your schedule.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Shar Harvester < Shar. Harvester@WescomInc.com>

Sent: Tuesday, August 30, 2022 11:57 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Cc: Hutton Andrew < Huttona@kfoc.net>; EHSDB < EHSDB@kfoc.net>; Aaron Daniels <aarond@kfoc.net>; Shar Harvester

<Shar.Harvester@WescomInc.com>; Cole Burton <cole.burton@wescominc.com>; Israel Estrella

<Israel.Estrella@wescominc.com>; Ashley Giovengo <ashley.giovengo@wescominc.com>; Bratcher, Mike, EMNRD

<mike.bratcher@state.nm.us>

Subject: [EXTERNAL] 48-Hour Notification (Same-Day Request) - Mosaic Federal 2419 WA #002H - nAPP2128846984

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

Hello All,

Due to an emergency shut-in and impending weather fronts, we would like to complete confirmation samples at the Mosaic Federal 2419 WA #002H— nAPP2128846984 starting on 8/30/22.

Please let us know if you plan to be onsite to oversee this sampling event or have any questions regarding the short notice.

Thank you,

Shar Harvester, Environmental Operations President

O (218) 724-1322 | C (218) 355-8047

WescomInc.com | shar.harvester@WescomInc.com
"I am in charge of my own safety."









Minnesota | North Dakota | New Mexico | Wisconsin

Released to Imaging: 12/12/2022 10:59:44 AM

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

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 142865

CONDITIONS

Operator:	OGRID:						
KAISER-FRANCIS OIL CO	12361						
PO Box 21468	Action Number:						
Tulsa, OK 74121146	142865						
	Action Type:						
	[C-141] Release Corrective Action (C-141)						

CONDITIONS

L	Created By	Condition	Condition Date	j
	rhamlet	The Kaiser-Francis deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. Wescom and Kaiser-Francis do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are for the removal of soils surrounding the wellheads and other necessary production equipment, which includes sample location "CONF52 Wall". The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	12/12/2022	