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**

QUESTIONS

Action 95063

QUESTIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	95063
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source		
Please answer all of the questions in this group.		
Site Name	Eagle Feather Federal #2 20220314-0814-prodops	
Date Release Discovered	03/18/2022	
Surface Owner	Private	

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

Nature and Volume of Release			
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.			
Crude Oil Released (bbls) Details	Not answered.		
Produced Water Released (bbls) Details	Not answered.		
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Not answered.		
Condensate Released (bbls) Details	Cause: Other Separator Condensate Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL]		
Natural Gas Vented (Mcf) Details	Not answered.		
Natural Gas Flared (Mcf) Details	Not answered.		
Other Released Details	Not answered.		
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Legacy release discovered during compliance notification remedial actions. Compliance number cBZL227525924 dated 03/03/2022.		

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

QUESTIONS, Page 2

Action 95063

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Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	95063
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)			
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.		
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.		
Reasons why this would be considered a submission for a notification of a major release	Unauthorized release of an unknown volume (TBD), excluding gases, of 25 barrels or more		
If YES, was immediate notice given to the OCD, by whom	Andrew Parker with Ameredev		
If YES, was immediate notice given to the OCD, to whom	Mr. Mike Bratcher		
If YES, was immediate notice given to the OCD, when	03/30/2022		
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Phone discussion regarding the legacy release.		
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.			

Initial Response			
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.			
The source of the release has been stopped	True		
The impacted area has been secured to protect human health and the environment	True		
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True		
All free liquids and recoverable materials have been removed and managed appropriately	True		
If all the actions described above have not been undertaken, explain why	Not answered.		

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

ACKNOWLEDGMENTS

Action 95063

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ACKNOWLEDGMENTS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	95063
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

✓	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
V	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
V	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
V	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.
V	I acknowledge the fact that 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.
V	I acknowledge the fact that, 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.

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

CONDITIONS

Action 95063

CONDITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	95063
	Action Type:
	[NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
aparker1969	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/31/2022

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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

Responsible Party: Ameredev Operating, LLC

Contact Name: Shane McNeely

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	nAPP2209060000
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID: 372224

Contact Telephone: (737) 300-4700

Contact email: smcneely@ameredev.com			Incident #	‡ (assigned by OCD) nAPP2209060000		
Contact mailing address: 2901 Via Fortuna, Suite 600 Austin, Texas 78746						
			Location	n of R	Release So	ource
Latitude 32.0	345108		(NAD 83 in a	decimal de	Longitude -	-103.267263 imal places)
Site Name Ea	igle Feather	Federal #2 202203	314-0814-prodo _l	ps	Site Type	Production Pad
Date Release	Discovered	03/18/2022			API# (if app	plicable) 30-025-38885
Unit Letter	Section	Township	Range		Coun	nty
В	21	26S	36E	Lea		
	Surface Owner: State Federal Tribal Private (Name: Beckham Ranch LLC) Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)					
	Crude Oil Volume Released (bbls) Volume Recovered (bbls)			, ,		
Produced Water Volume Released (bbls)			Volume Recovered (bbls)			
		Is the concentrate produced water		chloride	e in the	☐ Yes ☐ No
⊠ Condensa	☐ Condensate Volume Released (bbls) Legacy (unknown)		wn)	Volume Recovered (bbls)		
Natural G	□ Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)		Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)						
Cause of Rel dated 03/03/2		y release discovere	ed during compli	iance no	tification rem	medial actions. Compliance number cBZL227525924

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Legacy release of unknown volume
⊠ Yes □ No	
Andrew Parker with Amer	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? redev discussed, via phone, discovery with Mr. Bratcher after receiving confirmation sampling analytical results. Parker and Mr. Bratcher agreed that the legacy release to be reported via a C-141.
	Initial Response
The responsible p	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.
∑ The impacted area has	s been secured to protect human health and the environment.
Released materials ha	we 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 described	d above have <u>not</u> 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 at 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 environment failed to adequately investigation.	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 at and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name:Andrew	Parker Title: Env. Scientist
Signature:	Date:03/31/2022
email: <u>aparker@amered</u>	dev.com Telephone: <u>970-570-9535</u>
OCD Only	
Received by:	Date:

	Page 7 of 9	8(
Incident ID	nAPP2209060000	
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? Plate 2	>100 (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? Plate 4	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? Plate 4	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? Plate 5	☐ 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? Plate 4	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? Plate 3	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? Plate 3	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland? Plate 6	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine? Plate 7	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology? Plate 8	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain? Plate 9	☐ 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.	
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data 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 	ls.
Z Determination of water sources and significant watercourses within /2-nine of the fateful extents of the felease	

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.

Boring or excavation logs

Topographic/Aerial maps

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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Page 4 Oil Conservation Division

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Incident ID	nAPP2209060000	
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Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Andrew Parker	Title: Env. Scientist	
Signature: Maren or hor	Date:July 22, 2022	
email: <u>aparker@ameredev.com</u>	Telephone: 970-570-9535	
OCD Only		
Received by:	Date:	

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Incident ID	nAPP2209060000	
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Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be in	ncluded 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(☑ Proposed schedule for remediation (note if remediation plan timeline) 	
<u>Deferral Requests Only</u> : Each of the following items must be confin	rmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production.	uction equipment where remediation could cause a major facility
☐ Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health, t	he 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 Name: Andrew Parker	Title: Env. Scientist
Signature:	Date:July 22,2022
email:aparker@ameredev.com	Telephone:970-570-9535
OCD Only	
Received by: l	Date:
Approved	proval Denied Deferral Approved
Signature: Jennifer Nobili Di	ate: 07/27/2022

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Incident ID	nAPP2209060000	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be in	ncluded 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(☑ Proposed schedule for remediation (note if remediation plan timeli 		
Deferral Requests Only: Each of the following items must be confin	rmed as part of any request for deferral of remediation	
Contamination must be in areas immediately under or around prod deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the	he 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 Name: Andrew Parker	Title: Env. Scientist	
Signature: Manufoshor	Date:January 4,2023	
email: <u>aparker@ameredev.com</u>	Telephone: 970-570-9535	
OCD Only		
Received by: I	Date:	
Approved	proval Denied Deferral Approved	
Signature: Da	ate:	

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Incident ID	nAPP2209060000
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following ite	ems must be included in the closure report.						
☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)							
□ Laboratory analyses of final sampling (Note: appropriate ODC)	District office must be notified 2 days prior to final sampling)						
Description of remediation activities							
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in						
Printed Name:Andrew Parker	Title:Env. Scientist						
Signature:	Date:January 4, 2022						
email: <u>aparker@ameredev.com</u>	Telephone: 970-570-9535						
OCD Only							
Received by:	Date:						
	of liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible r regulations.						
Closure Approved by:	Date: 01/30/2023						
Printed Name:Jennifer Nobui	Title: Environmental Specialist A						



2901 Via Fortuna Suite 600 • Austin, Texas 78746 • Phone (737) 300-4700

January 4, 2023

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

RE: Closure Report

Incident ID: nAPP2209060000 Eagle Feather Federal #2

AEP #: 20220314-0814-prodops

NMOCD:

Ameredev Operating submits this closure report, including remediation and restoration activities for incident number nAPP2209060000. A legacy release was discovered during compliance notification remedial actions - compliance number cBZL227525924 dated 03/03/2022. Nature and volume of release is unknown.

The release occurred within an active production facility containment on Fee Surface. The coordinates of the release point are 32.0345141, -103.2672636 (Lat, Long; NAD83). The release did not impact surface water or groundwater. Figures 1 and 2 shows source and initial remedial activity – the upper few inches of the surface was removed and hauled off-site for proper disposal.

Figure 1: Photo of release area viewing west from the southeast corner of the containment.

Date/Time: 2022-03-15 13:20:08.

GPS: 32.0344417, -103.2671558.





Figure 2: Photo of release area viewing north from the southwest extent of the release. Date/Time: 2022-03-15 13:21:00 GPS: 32.0344425, -103.2673233

Remediation plan was denied July 27, 2022, due to depth to groundwater not adequately determined and insufficient horizontal delineation. Communications are included in Appendix A.

To determine depth-to-water within ½-mile of the release extent, Ameredev Operating began a depth-to-water borehole program mid-September 2022:

- Boreholes are located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- Drilled to a depth of approximately 105-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

The depth to water borehole nearest to the release area is mapped on Plate 2 rev:

1. MISC-411 (J-053 POD 1) is located 0.06-miles southeast. Depth of the water well is >101-feet. The borehole is plugged. The Well Log is presented in Appendix B.

1. Remediation & Restoration Activities

Ameredev II began remedial actions per 19.15.29 NMAC on March 18, 2022 with the removal of the upper 0.25-feet of impacted material within the release extent. The impacted material was hauled off-site for proper disposal. Soil sampling analytical results, below 0.25-feet, exhibited chloride and hydrocarbon concentrations above Closure Criteria concentrations for constituents of concern listed in Table 1 of 19.15.29. NMAC.

On March 29-30th excavation of impacted area to a depth of 1.5 feet commenced to remove the mass load of impacted soil. Excavation of soil below 1.5-feet feet, without facility deconstruction, would have created a risk to human health and the environment. Ameredev Operating delayed further remediation activities until impending decommission of the heater treater and separator.





Figure 3: Excavation area around heater treater and separator viewing west from the east of the extent. Date/Time: 2022-03-30 12:20:17. GPS:32.0345492, -103.2672069.



Figure 4: Excavation area around heater treater viewing northwest. Date/Time: 2022-03-30 09:28:38. GPS: 32.0344958, -103.2672678

Following removal of production equipment, Ameredev continued remediation within the release extent until the walls and bases meet Closure Criteria per Table 1 of 19.15.29 NMAC as defined below.

- For the release area on an active production site that is in use for oil and gas operations and where depth to water is > 100 ft (with NMOCD approved depth to water determination):
 - \triangleright Chloride < 20,000 mg/kg
 - ightharpoonup TPH (GRO + DRO + MRO) < 2,500 mg/kg
 - ightharpoonup TPH (GRO + DRO) < 1,000 mg/kg
 - ightharpoonup BTEX < 50 mg/kg
 - ➤ Benzene < 10 mg/kg





Figure 5: Remediation in progress facing east northeast from western extent. Date Taken: 2022-12-15 12:24:20. GPS: 32.0344582, -103.2673877



Figure 6: Completed remediation extent facing southwest from northeast corner. The trench within the excavation is the location of grid GS-08. Date Taken: 2022-12-16 13:42:13. GPS: 32.0345165, -103.2671988

A soil sample was collected from each grid centroid base and along excavation walls for laboratory analysis of chloride, TPH, Benzene, and BTEX. All base and wall sample grid areas were < 200 sq ft. The 48 hour sampling notification is located in Appendix A.

- Plate 10 shows the confirmation/delineation sample grid layout with square footage
- Plate 11 shows the confirmation/delineation sample locations.
- Table A shows the coordinates of the confirmation/delineation sample points.
- Table B shows the Summary of Analytical
- Appendix C contains the Certificates of Analysis



The northern portion of the release extent did not require remediation as wall samples met the most stringent Closure Criteria. Wall sample GS-07 S 0-2 ft met closure criteria for on-site, as defined above, however further delineation was obtained with GS-07 S Pad to demonstrate that the release did not extend off-site. All other wall samples met most stringent Closure Criteria where depth to water is > 100 ft and therefore provide delineation as well as confirmation sampling.

An estimated 474 cu. yrds. of material was excavated and hauled off-site to an approved disposal facility.



Figure 7: Restored pad surface facing north from southern extent. Date Taken: 2022-12-28 14:03:38. GPS: 32.0344000, -103.2672750

The release extent on the active production site was restored per 19.15.29.13.A-C NMAC as an active production site and will be further reclaimed per 19.15.29.13.D when the production site is no longer in-use for oil and gas operations.

Sincerely,

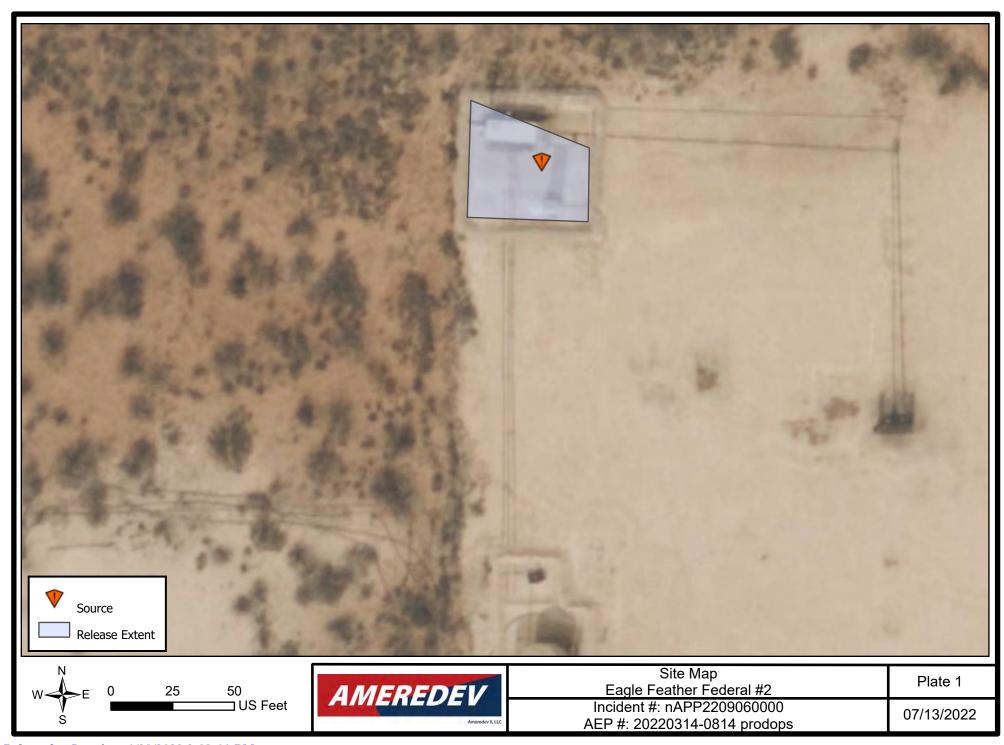
Ameredev II, LLC

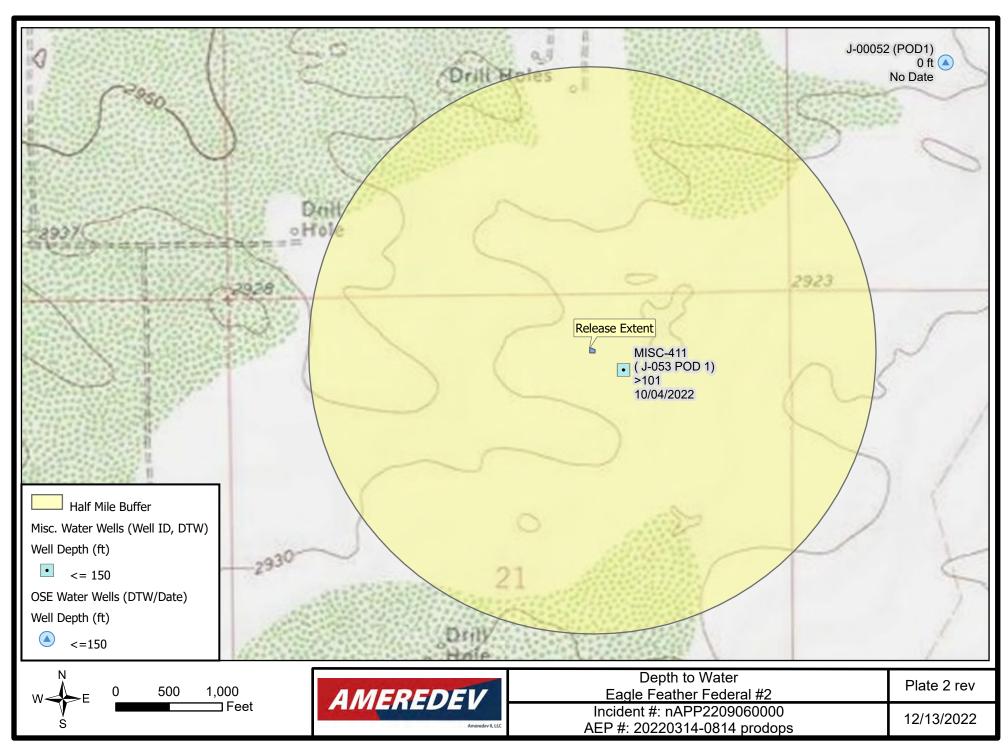
Andrew Parker Env. Scientist

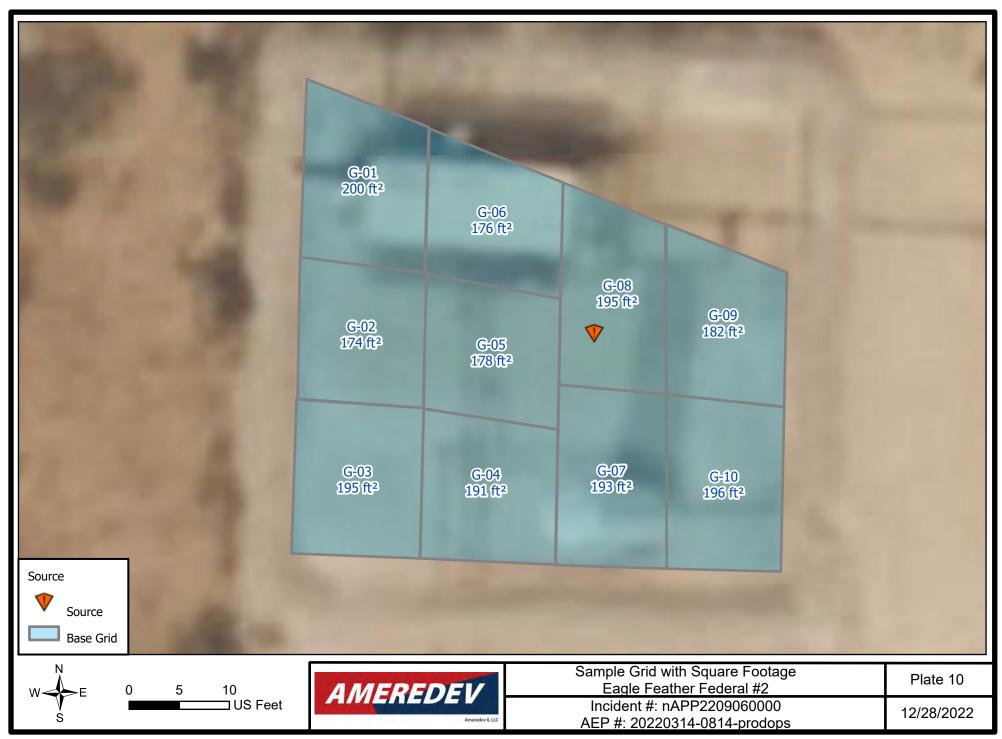


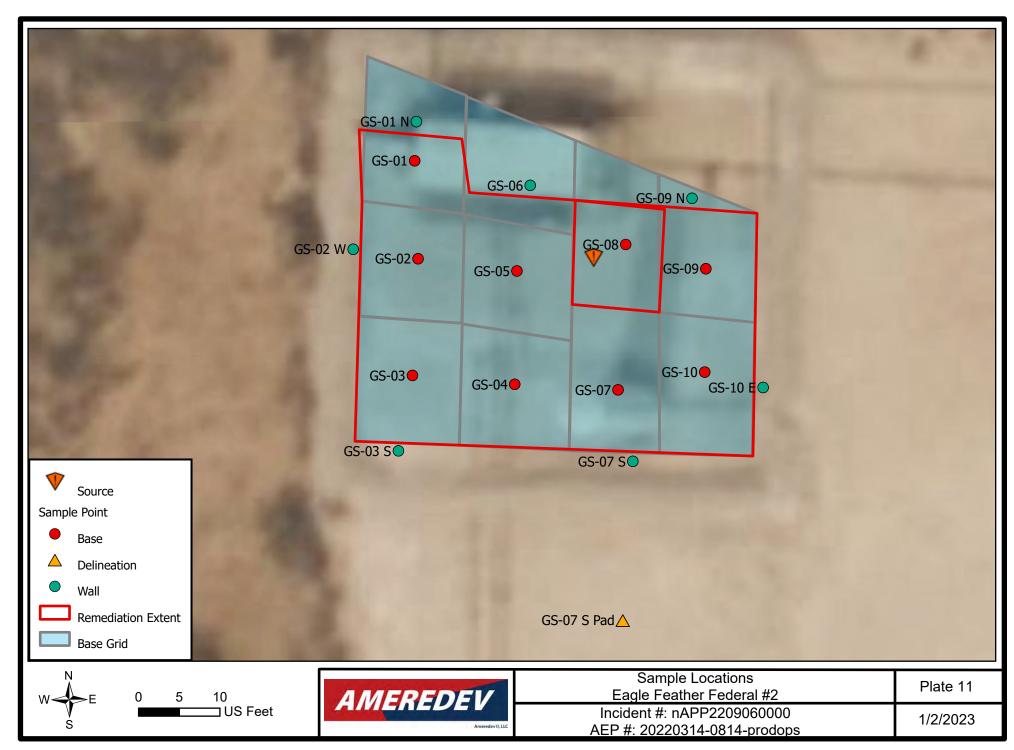
Plates











Tables



Incident ID: nAPP2209060PQQe 23 of 98
Eagle Feather Federal #2
AEP #: 20220314-0814 prodops

Sample Point	Latitude	Longitude
Source	32.03451642	-103.2672719
GS-01	32.03455069	-103.2673448
GS-01 N	32.03456391	-103.2673440
GS-02	32.03451758	-103.2673439
GS-02 W	32.03452100	-103.2673695
GS-03	32.03447818	-103.2673465
GS-03 S	32.03445275	-103.2673524
GS-04	32.03447484	-103.2673060
GS-05	32.03451312	-103.2673047
GS-06	32.03454200	-103.2672991
GS-07	32.03447261	-103.2672651
GS-07 S	32.03444842	-103.2672595
GS-07 S Pad	32.03439492	-103.2672641
GS-08	32.03452029	-103.2672628
GS-09	32.03451324	-103.2672298
GS-09 N	32.03453709	-103.2672350
GS-10	32.03447833	-103.2672306
GS-10 E	32.03447294	-103.2672075

Sample ID	Date	Discrete Depth	Top Depth	Bottom Depth	Location	Chloride	GRO+DRO	TPH Ext.	Benzene	ВТЕХ	Comments	Lab	Lab #
		(Feet)	(Feet)	(Feet)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		100	10.00	50.00			
> 4 ft or "in-use"						20,000	1,000	2,500	10.00	50.00			
Source	3/18/2022	0.25			On-site	1,100	46,110	46,472	20.10	1920.00	Removed (GS-08)	Cardinal	H221099
Source	3/18/2022	0.5			On-site	224	23,940	24,204	5.12	514.00	Removed (GS-08)	Cardinal	H221099
Source	3/18/2022	1			On-site	144	13,500	13,603	2.25	468.00	Removed (GS-08)	Cardinal	H221099
TT (2 ft north of source)	3/30/2022	4			On-site	80	420	<420	<0.05	2.53	Removed (GS-08)	Cardinal	H221282
TT (2 ft north of source)	3/30/2022	6			On-site	80	1,693	1,727	<0.05	21.90	Removed (GS-08)	Cardinal	H221282
TT (2 ft north of source)	3/30/2022	8			On-site	2,800	2,124	2,160	0.36	114.00	Removed (GS-08)	Cardinal	H221282
GS-01	12/16/2022	4.5			On-site	112	<908	<927.9	<0.050	12.20	Confirmation	Cardinal	H225979
GS-01 N	12/16/2022		0	2	On-site	96	<29	<39	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225979
GS-01 N	12/16/2022		2	4	On-site	48	<23	<33	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225979
GS-01 N	12/16/2022	4.5			On-site	48	<20.5	<30.5	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225979
GS-02	12/15/2022	4.5			On-site	16	<38	<48	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-02 W	12/15/2022		0	2	On-site	32	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-02 W	12/15/2022		2	4	On-site	<16	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-02 W	12/15/2022	4.5			On-site	<16	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-03	12/15/2022	4.5			On-site	512	<443	<479.3	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-03 S	12/15/2022		0	2	On-site	208	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-03 S	12/15/2022		2	4	On-site	208	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-03 S	12/15/2022	4.5			On-site	176	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-04	12/15/2022	4.5			On-site	288	<471	<534.8	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-05	12/15/2022	4.5			On-site	32	<168.5	<179.2	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-06	12/15/2022		0	2	On-site	32	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-06	12/15/2022		2	4	On-site	32	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-06	12/15/2022	4.5			On-site	32	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-07	12/15/2022	4.5			On-site	272	<228.4	<252.3	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-07 S	12/15/2022		0	2	On-site	624	<20	<30	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-07 S	12/15/2022		2	4	On-site	592	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-07 S	12/15/2022	4.5			On-site	592	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-07 S Pad	12/27/2022	0			On-site	96	<20	<30	<0.050	<0.300	Horizontal Delineation of GS-07 S	Cardinal	H226079
GS-08	12/16/2022	9			On-site	64	<484	<499.8	<0.100	30.80	Confirmation	Cardinal	H225979
GS-09	12/15/2022	4.5			On-site	1,960	<20	<30	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-09 N	12/15/2022		0	2	On-site	112	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-09 N	12/15/2022		2	4	On-site	128	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-09 N	12/15/2022	4.5			On-site	112	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-10	12/15/2022	4.5			On-site	304	<331.7	<371.6	<0.050	<0.300	Confirmation	Cardinal	H225945
GS-10 E	12/15/2022		0	2	On-site	208	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-10 E	12/15/2022		2	4	On-site	224	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
GS-10 E	12/15/2022	4.5			On-site	224	<20	<30	<0.050	<0.300	Confirmation/Delineation	Cardinal	H225945
Backfill 01	12/16/2022					48	<20	<30	<0.050	<0.300	·	Cardinal	H225979

Appendix A

Communications



Andrew Parker

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

Sent: Thursday, December 8, 2022 5:13 PM

To: Andrew Parker

Cc: Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] nAPP2209060000 48 hour sampling notice Eagle Feather

External (ocd.enviro@emnrd.nm.gov)

Report This Email FAQ Protection by INKY

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>
http://www.emnrd.nm.gov



From: Andrew Parker <aparker@ameredev.com>

Sent: Thursday, December 8, 2022 3:39 PM

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

Cc: Jesus Palomares < jpalomares@ameredev.com>; Laura Parker < lparker@ameredev.com>

Subject: [EXTERNAL] nAPP2209060000 48 hour sampling notice Eagle Feather

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

NMOCD,

Please accept this email as the 48 hour sampling notice for the below referenced incident. Excavation and confirmation sampling is expected to commence on 12/13/2022 and continue through the week.

Incident: nAPP2209060000

Location: Eagle Feather Federal #2 AEP #: 20220314-0814-prodops

Thank you,

Andrew Parker

Environmental Scientist



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

Sent: Wednesday, July 27, 2022 5:10 PM **To:** Andrew Parker aparker@ameredev.com

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 127921

To whom it may concern (c/o Andrew Parker for AMEREDEV OPERATING, LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2209060000, for the following reasons:

• Remediation Plan Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Release not sufficiently delineated. Horizontal extent of impact cannot be based on visual observations. Per 19.15.29.12C(1)(a) the remediation plan shall include delineation results. Please resubmit a revised Remediation Plan by September 2, 2022.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 127921. Please review and make the required correction(s) prior to resubmitting.

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

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@state.nm.us

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

Appendix B

Well Logs





2904 W 2nd St. Roswell, NM 88201 voice: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

-July 8, 2022 10/12/2022

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record J-053

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, J-053

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

Garan Middle

OSE DIT OCT 12 2022 PM1:58



	OSE POD NO.	(WELL NO	.)		WELL TAG ID NO.			OSE FI	LE NO(S).			
GENERAL AND WELL LOCATION	POD-1				n/a		-	J-053					
AT	WELL OWNE							PHONI		•			
Q	Ameredev Operating, LLC							737-3	UU-4 / (JU			
LLI	WELL OWNE							CITY			STA		ZIP
WE	2901 Via F	ortuna Su	ite 600					Austir	1		TX	78746	
9	WELL		DI	EGREES	MINUTES	SECONDS							
[A	LOCATION	N YAT	TITUDE	32	2	2.39	N	* ACC	URACY	REQUIRED; ONE T	ENTH OF	A SECOND	
RA	(FROM GPS	3)		103	15	58.85	w	* DAT	UM REG	QUIRED: WGS 84			
Ë	DESCRIPTION	_	NGITUDE NG WELL LOCATION TO	STREET A SIS	TESS AND COMMON	I ANIDMADE	e pre	e (eperti	ON TO	WNSHIID DANGE)	WHEDE A	AVAII ARI F	
1. G			26S R36S NMPM		CESS AND COMMON	PAIADMANCE	9-110	sa (alceri	ом, то	within, Kande)	WILLIAM Z	YAILADLL	
	DE NW NE	. 300.21 1	ZOS KJUS MIVIPIVI										
	LICENSE NO.		NAME OF LICENSED							NAME OF WELL			
	124	9			Jackie D. Atkins					Atkins 1	Engineer	ring Associates, I	nc.
	DRILLING ST	ARTED	DRILLING ENDED		MPLETED WELL (FI			LE DEPT	H (FT)	DEPTH WATER		COUNTERED (FT)	
	9/27/2	022	9/28/2022	tempor	rary well materia	l	-	±101				n/a	
				<u> </u>						WATER LEVEL PLETED WELL	n/a	DATE STATIC	
Z	COMPLETED	WELL IS:	ARTESIAN	DRY HOL	LE SHALLO	W (UNCONFII	NED)		FT)	I DETED WELL	ша	10/4/2	2022
CASING INFORMATION	DRILLING FL	UID:	AIR	☐ MUD	ADDITIVI	ES – SPECIFY	:						
MA	DRILLING M	ETHOD:	ROTARY HAMI	MER CAB	LE TOOL 7. OTHE	R - SPECIFY	. I	Hollow	Stem 2	Auger CHI	CK HERI	E IF PITLESS ADA	PTER IS
Q.			1							- 143	IALLED		
Z	FROM TO D		BORE HOLE	CASING	GRADE			ASING		1		ASING WALL	SLOT
S			DIAM		ach casing string, and			ONNECTION TYPE		INSIDE DIAM. (inches)		THICKNESS (inches)	SIZE (inches)
AS							pling diameter)		(menee)		(Mones)	(====,	
3	0	101	±6.25"		Boring-HSA					-	-		-
2. DRILLING &											-		
						_			_		-		-
DR				-					_		-		
2											-		
										Indianajoro believe	-		
										UDE UIT		2 2027 PM1 5	3
											_		
						_			_		-		
1													
	DEPTH ((feet bgl)	BORE HOLE	LI	ST ANNULAR SE	AL MATE	RIAL						
AL	FROM	ТО	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE BY	' INTI	ERVAL		(cubic fee	t)	PLACEN	MENT
ERI													
[AT													
RN													
ANNULAR MATERIAL													
Z			7										
3. A													
H.													
E0	D OCE DIMEN	NIAT TIOT							W/D 2	0 WELL RECOR	חפור	G (Version 01/2	8/2022
	R OSE INTER Æ NO.	NAL USE			POD NO				TRN I		- u 1/	C T OTAION 01/2	
	CATION				1-3-11			WELL				PAGE	1 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GE	NERAL / WELL OWNERSHIP:			
State E	Engineer Well Number: J-053			
Well o	wner: Ameredev Operating, LLC		Phone I	No.: _737-300-4700
Mailin	g address: 2901 Via Fortuna Suite 600			
City:	Austin	State:	Texas	Zip code:
II. W	ELL PLUGGING INFORMATION:			
1)	Name of well drilling company that plugg	ged well:	ackie D. Atkins (Atkins En	gineering Associates Inc.)
2)	New Mexico Well Driller License No.: 1			Expiration Date: 04/30/23
3)	Well plugging activities were supervised Shane Eldridge, Cameron Pruitt	by the follow	wing well driller(s)/rig sup	pervisor(s):
4)	Date well plugging began: 10/4/2022		Date well plugging co	ncluded: 10/4/2022
5)	GPS Well Location: Latitude: Longitude:	32 103	deg, 2 min, 2 deg, 15 min, 2	
6)	Depth of well confirmed at initiation of pl by the following manner: water level prof	lugging as:	ft below groun	nd level (bgl),
7)	Static water level measured at initiation o			
8)	Date well plugging plan of operations wa			
9)	Were all plugging activities consistent wi differences between the approved plugging	th an approving plan and t	ved plugging plan? the well as it was plugged	Yes If not, please describe (attach additional pages as needed):
				OSE DITOCT 12 2022 PM1:58

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Page 1 of 2

	DEPTH (i	eet bgl)		COLOR AN	D TYPE OF MATERIAL E	NCOUN	TERED -		WAT	ER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)		R-BEARING CAVITIES OF plemental sheets to fully de			s	BEARI (YES /	NG?	WATER- BEARING ZONES (gpm
	0	9	9	Sand, Fir	ne grained, poorly graded, R	eddish B	rown		Y	✓ N	
	9	65	56	Sand, Fine gr	ained, poorly graded, with c	aliche, V	White Tan		Y	✓ N	
	65	101	36	Sa	nd, Fine grained, poorly grad	led, Tan			Y	✓ N	
									Y	N	
									Y	N	
Į									Y	N	
WEE									Y	N	
Š									Y	N	
3									Y	N	
2									Y	N	
3									Y	N	
HYDROGEOLOGIC LOG OF WELL									Y	N	
2									Y	N	
HAD									Y	N	
4									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
									Y	N	
	METHOD U		_	OF WATER-BEARING BAILER OT	G STRATA: HER – SPECIFY:				AL ESTIM L YIELD		0.00
- K	WELL TES	TEST STAI	RESULTS - ATT	ACH A COPY OF DAT ME, AND A TABLE SE	A COLLECTED DURING IOWING DISCHARGE AN	WELL 1 D DRAV	ESTING, INC WDOWN OV	CLUDII ER THI	NG DISCH E TESTIN	IARGE I G PERIC	METHOD, DD.
TEST; KIG SUPEKVISION	MISCELLA	NEOUS IN	be	emporary well materia clow ground surface(b FW-21	l removed and soil borings), then hydrated benton	g backfi ite chip	s ten feet bg	s to su	rface.		
2131											2 PM1/58
9. I.K.	PRINT NAM Shane Eldri			RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION O	F WELL CON	ISTRU	CTION OT	THER TH	IAN LICENSE
ATORE	CORRECT	RECORD (OF THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE '	GE AND BEI THIS WELL	LIEF, TI	HE FORE	GOING I	S A TRUE AN
o. SIGNAIOKE	Jack 1	Atkins		Jackie D. Atkins						/2022	
		SIGNA	TURE OF DRILLE	ER / PRINT SIGNEE	NAME					DATE	
	OSE DIMER	NAT DOD					WP-20 U/E	ים בון	ግባያስ ፉ ፣	OG (Va	rsion 01/28/202
	R OSE INTER E NO.	NAL USE			POD NO.		TRN NO.	LL KE	COILD & I	LOG (VE	101011 01/20/202
_	CATION						TAG ID NO.				PAGE 2 OF

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
-					
_	10'-101' Drill Cuttings	Approx. 145 gallons	145 gallons	Boring	
-					
_					
_					
·-					
2					
(-					
-				OSE O	OCT 12 2022 PM1:58
	1	MULTIPLY cubic feet x 7.cubic yards x 201.	AND OBTAIN 1805 = gallons 97 = gallons	ī	1 2.00

III. SIGNATURE:	4.	
I, Jackie D. Atkins	, say that I am familiar with the rules of	the Office of the State
Engineer pertaining to the plugging of vare true to the best of my knowledge and	wells and that each and all of the statements in this Plugging	
	Jack Atkins	10/5/2022
	Signature of Well Driller	Date

Version: September 8, 2009 Page 2 of 2

3-J-53_WellLog-packet-forsign-DTW-21

Final Audit Report 2022-10-05

Created: 2022-10-05

By: Lucas Middleton (lucas@atkinseng.com)

Status: Signed

Transaction ID: CBJCHBCAABAAqaHsrluPI62ByWTDTPHALLQW_RpM0B96

"3-J-53_WellLog-packet-forsign-DTW-21" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2022-10-05 5:52:39 PM GMT- IP address: 64.17.71.25
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2022-10-05 5:54:50 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2022-10-05 6:34:25 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2022-10-05 6:35:05 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2022-10-05 - 6:35:05 PM GMT

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Adobe Acrobat Sign

Appendix C

Certificates of Analysis





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 24, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: EAGLE FEATHER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 03/18/22 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 03/18/2022 Sampling Date: 03/18/2022

Reported: 03/24/2022 Sampling Type: Soil
Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: ** (

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: ** (See Notes)
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

A ... - L ... - - J D. .. MC\

Project Location: NONE GIVEN

Sample ID: SOURCE 0.25' (H221099-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	20.1	5.00	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	600	5.00	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	120	5.00	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	1180	15.0	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	1920	30.0	03/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	03/21/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38600	100	03/23/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	7510	100	03/23/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	362	100	03/23/2022	ND					
Surrogate: 1-Chlorooctane	741	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	158	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

 Received:
 03/18/2022
 Sampling Date:
 03/18/2022

 Reported:
 03/24/2022
 Sampling Type:
 Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: ** (See Notes)
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SOURCE 0.5' (H221099-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS\					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.12	1.00	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	136	1.00	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	27.7	1.00	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	345	3.00	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	514	6.00	03/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	182	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/21/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18500	100	03/23/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	5440	100	03/23/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	264	100	03/23/2022	ND					
Surrogate: 1-Chlorooctane	492	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	158	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

C-04



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 03/18/2022 Sampling Date: 03/18/2022

Reported: 03/24/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: ** (See Notes)

Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Applyzod By: MC\

Project Location: NONE GIVEN

Sample ID: SOURCE 1' (H221099-03)

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	a By: MS\					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.25	1.00	03/23/2022	ND	1.88	93.8	2.00	1.85	
Toluene*	126	1.00	03/23/2022	ND	1.97	98.5	2.00	0.489	
Ethylbenzene*	31.7	1.00	03/23/2022	ND	1.99	99.6	2.00	1.90	
Total Xylenes*	308	3.00	03/23/2022	ND	6.17	103	6.00	1.61	
Total BTEX	468	6.00	03/23/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	149	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/21/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11100	100	03/23/2022	ND	197	98.5	200	7.82	
DRO >C10-C28*	2400	100	03/23/2022	ND	197	98.3	200	8.07	
EXT DRO >C28-C36	103	100	03/23/2022	ND					
Surrogate: 1-Chlorooctane	333	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	146	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits inclured by client, its subsidiaries, effiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	analyses. All claims including lines for highlyser control and client's auditive remarks of visit assists whether based in contract or text, shall be limited to the amount paid by the client for the service. In one went shall certificat be failed for incidental or consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successful and reviewed by client, as subsidiaries. Refligation of or related to the performance of services hereused control imitation, business intemptions, loss of use, or loss of profits incurred by client, its subsidiaries. Refligation of the services of the subsidiaries and the services of the services	PLEASE NOTE: Liability and Clamacos: Cardinate links and deli-	Š	7 50	Lab I.D. H7499	Sampler Name:	Project Location: Eagle	ame:	Project #:	Phone #:	City:	Address:	
		to repligence and any other coordinates from the coordinates of consequence of related to the performance of related to the performance.	Res Conditions in National Action	Sorre	Source	Sample I.D.	SACOB SNEWZ	agle Feather	70220314 -0814				Andrew Parker	Ameredev
Observed Temp. °C & S	Time:	nnt's exclusive remedy for an cause whatsoever shall be of quental damages, including of services hereunder by Ca		197	0.35.57	Þ	22	Federal	- product Owner	rax #:	State:		133	
	Received By:	ry dalim araking whether based in contract or tort, shall be limited to fleemed walved unless made in writing and replaid by Caudinal wal- willhool limitation, business intempletors, loss of use, or loss of loss address, regardless of whether such claim is based upon any of the Repositional But.		1 9	9	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER		42	er:		Zip:			
Sample Condition Cool Intact	Mary A	sed in contract or tort, she is in writing and received interruptions, loss of use set such claim is based w		×.	S	DIL SEUDGE DTHER:	Fa	Phone	City:	Add	Attn:	Cor	P.0	1100000 1100000 1100000 1100000 1100000
CHECKED BY:	Make	In its addition remedy for any claim arcsing whether based in contract or text, shall be limited to the amount paid by the client for the situes whatsever shall be deemed warved unless made in writing and feedward by Caudians within 30 days after completion of the any evental damages, including without limitation, business internutions, loss of use, or loss of profits incurred by client, its subsidiaries, or devices threatword by Caudians, loss of use, or loss of profits incurred by client, its subsidiaries, or devices threatword by Caudians or otherwise. Datte: Report Standard By Caudians (Standard By Caudians is bitsed upon any of the above stated respons or otherwise.		3/19	2/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3/3	CID/BASE: PROPERTY OF THER:		Phone #-		Address:	R	Company:		04.77/8
Turnaround Time:	All Results are e	amount paid by the client for the 30 days after completion of the applica incurred by client, its subsidiances, ove stated reasons or otherwise.		~ ~	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	P P							SIM-NONED	
Standard Rush	☐ Yes ☐ No mailed. Please pr	Die		22		TPH CGRO+ Benzene,		_	Re)				
1	All Results are emailed. Please provide Email address: REMARKS:												OWNER OF STREET	ANAI VSIS D
Bacteria (only) Sample Condition													- Induction	FOLIEGY



April 04, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: EAGLE FEATHER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 03/31/22 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keine

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 03/31/2022 Sampling Date: 03/30/2022

Reported: 04/04/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: TT 4' (H221282-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2022	ND	1.94	97.2	2.00	5.90	
Toluene*	0.187	0.050	04/02/2022	ND	1.97	98.4	2.00	4.93	QR-03
Ethylbenzene*	0.185	0.050	04/02/2022	ND	1.87	93.6	2.00	5.37	QR-03
Total Xylenes*	2.16	0.150	04/02/2022	ND	5.82	97.1	6.00	5.20	QR-03
Total BTEX	2.53	0.300	04/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	138	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/04/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	253	10.0	04/01/2022	ND	184	92.2	200	8.22	QM-07, QR-03
DRO >C10-C28*	167	10.0	04/01/2022	ND	196	98.2	200	8.28	
EXT DRO >C28-C36	<10.0	10.0	04/01/2022	ND					
Surrogate: 1-Chlorooctane	130	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	133	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 03/31/2022 Sampling Date: 03/30/2022

Reported: 04/04/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: TT 6' (H221282-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2022	ND	1.94	97.2	2.00	5.90	
Toluene*	1.83	0.050	04/02/2022	ND	1.97	98.4	2.00	4.93	
Ethylbenzene*	2.68	0.050	04/02/2022	ND	1.87	93.6	2.00	5.37	
Total Xylenes*	17.4	0.150	04/02/2022	ND	5.82	97.1	6.00	5.20	
Total BTEX	21.9	0.300	04/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	282	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/04/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1160	10.0	04/01/2022	ND	184	92.2	200	8.22	
DRO >C10-C28*	533	10.0	04/01/2022	ND	196	98.2	200	8.28	
EXT DRO >C28-C36	33.5	10.0	04/01/2022	ND					
Surrogate: 1-Chlorooctane	166	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	145	% 59.5-14	2						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 03/31/2022 Sampling Date: 03/30/2022

Reported: 04/04/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: TT 8' (H221282-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.362	0.200	04/02/2022	ND	1.94	97.2	2.00	5.90	
Toluene*	18.6	0.200	04/02/2022	ND	1.97	98.4	2.00	4.93	
Ethylbenzene*	7.18	0.200	04/02/2022	ND	1.87	93.6	2.00	5.37	
Total Xylenes*	88.1	0.600	04/02/2022	ND	5.82	97.1	6.00	5.20	
Total BTEX	114	1.20	04/02/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	173	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	04/04/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1590	10.0	04/01/2022	ND	184	92.2	200	8.22	
DRO >C10-C28*	534	10.0	04/01/2022	ND	196	98.2	200	8.28	
EXT DRO >C28-C36	35.9	10.0	04/01/2022	ND					
Surrogate: 1-Chlorooctane	151	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	2						

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Celey D. Keene



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene

Relinquished By:

Alos

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Corrected Temp. °C 2,4 Observed Temp. °C 2,7

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY: (Initials)

Turnaround Time:

世の時 Standard

Bacteria (only) Sample Condition Cool Intact Observed Temp.

ô

Corrected Temp, °C

REMARKS:

All Results are emailed. Please provide Email address:

□ Yes

O No

Add'l Phone #:

Time: Date:

Received By:

Relinquished By:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Lioject Manager: NOCLON LEVING		P.O. #: 20220314-0814-gradays	Salva	
Address:		Company:		
City: State:	Zip:	Attn:		
Phone #: Fax #:		Address:		
Project #: Project Owner:	er:	City:		
Project Name: 20220314-0814-products		State: Zip:	0)	
ject Location: Engle Feather		#	ne	
Sampler Name: SALOS SALVZ		Fax#:	22	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	10	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	Chloride TPHCGRO- BTEX, BO	
177 477	2	X 3/50/22	1:30° X X X	
2 77 657	6	d 2/30/22 1:35/17	2	
3 T7 8F1	9	d 3/30/22 10m	3 2 2	



December 21, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: EAGLE FEATHER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Total Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600

AUSTIN TX, 78746

Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

Reported: 21-Dec-22 17:58

Laboratory ID	Matrix	Date Sampled	Date Received
H225945-01	Soil	15-Dec-22 10:27	15-Dec-22 16:20
H225945-02	Soil	15-Dec-22 10:36	15-Dec-22 16:20
H225945-03	Soil	15-Dec-22 10:42	15-Dec-22 16:20
H225945-04	Soil	15-Dec-22 10:51	15-Dec-22 16:20
H225945-05	Soil	15-Dec-22 11:02	15-Dec-22 16:20
H225945-06	Soil	15-Dec-22 11:07	15-Dec-22 16:20
H225945-07	Soil	15-Dec-22 11:11	15-Dec-22 16:20
H225945-08	Soil	15-Dec-22 11:15	15-Dec-22 16:20
H225945-09	Soil	15-Dec-22 11:21	15-Dec-22 16:20
H225945-10	Soil	15-Dec-22 11:33	15-Dec-22 16:20
H225945-11	Soil	15-Dec-22 11:42	15-Dec-22 16:20
H225945-12	Soil	15-Dec-22 11:51	15-Dec-22 16:20
H225945-13	Soil	15-Dec-22 11:57	15-Dec-22 16:20
H225945-14	Soil	15-Dec-22 12:08	15-Dec-22 16:20
H225945-15	Soil	15-Dec-22 12:14	15-Dec-22 16:20
H225945-16	Soil	15-Dec-22 12:20	15-Dec-22 16:20
H225945-17	Soil	15-Dec-22 12:24	15-Dec-22 16:20
H225945-18	Soil	15-Dec-22 12:27	15-Dec-22 16:20
H225945-19	Soil	15-Dec-22 12:30	15-Dec-22 16:20
H225945-20	Soil	15-Dec-22 12:32	15-Dec-22 16:20
H225945-21	Soil	15-Dec-22 12:37	15-Dec-22 16:20
H225945-22	Soil	15-Dec-22 12:40	15-Dec-22 16:20
H225945-23	Soil	15-Dec-22 12:44	15-Dec-22 16:20
H225945-24	Soil	15-Dec-22 12:47	15-Dec-22 16:20
H225945-25	Soil	15-Dec-22 12:52	15-Dec-22 16:20
	H225945-01 H225945-02 H225945-03 H225945-04 H225945-05 H225945-06 H225945-07 H225945-09 H225945-10 H225945-11 H225945-12 H225945-13 H225945-14 H225945-15 H225945-16 H225945-17 H225945-18 H225945-19 H225945-20 H225945-21 H225945-21 H225945-22 H225945-23 H225945-24	H225945-01 Soil H225945-02 Soil H225945-03 Soil H225945-04 Soil H225945-05 Soil H225945-06 Soil H225945-07 Soil H225945-09 Soil H225945-10 Soil H225945-11 Soil H225945-12 Soil H225945-13 Soil H225945-14 Soil H225945-15 Soil H225945-16 Soil H225945-17 Soil H225945-18 Soil H225945-19 Soil H225945-20 Soil H225945-21 Soil H225945-22 Soil H225945-23 Soil H225945-24 Soil	H225945-01 Soil 15-Dec-22 10:27 H225945-02 Soil 15-Dec-22 10:36 H225945-03 Soil 15-Dec-22 10:42 H225945-04 Soil 15-Dec-22 10:51 H225945-05 Soil 15-Dec-22 11:02 H225945-06 Soil 15-Dec-22 11:07 H225945-07 Soil 15-Dec-22 11:11 H225945-08 Soil 15-Dec-22 11:15 H225945-09 Soil 15-Dec-22 11:21 H225945-10 Soil 15-Dec-22 11:21 H225945-11 Soil 15-Dec-22 11:42 H225945-12 Soil 15-Dec-22 11:57 H225945-13 Soil 15-Dec-22 11:57 H225945-14 Soil 15-Dec-22 11:57 H225945-15 Soil 15-Dec-22 12:08 H225945-16 Soil 15-Dec-22 12:08 H225945-17 Soil 15-Dec-22 12:20 H225945-19 Soil 15-Dec-22 12:24 H225945-20 Soil 15-Dec-22 12:32 H225945-21 Soil 15-Dec-22 12:37 H225945-22 Soil 15-Dec-22 12:37 H225945-23 Soil 15-Dec-22 12:44 H225945-24 Soil 15-Dec-22 12:44

12/21/22 - Login had a typo on the sample ID for -12. This is the revised report with the corrected sample ID and replaces the one sent on earlier 12/21/22.

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Reported:



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

-0814-PRODOPS 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 02 4.5FT H225945-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	69.9	-140	2121627	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	28.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			90.0 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			92.0 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 02W 0-2FT H225945-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121627	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		112 %	69.9	-140	2121627	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			93.1 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			94.5 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Reported:



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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

314-0814-PRODOPS 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 02W 2-4FT H225945-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		110 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			97.7 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			98.6 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

Reported: 21-Dec-22 17:58

GS - 02W 4.5FT H225945-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			97.1 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			99.1 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2

Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

814-PRODOPS 21-Dec-22 17:58 RKFR

Reported:

GS - 03 4.5FT H225945-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	512		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	GC-NC
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		133 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	433		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	36.3		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			95.8 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			105 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 03S 0-2FT H225945-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		108 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			92.3 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			94.4 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

Reported: 21-Dec-22 17:58

GS - 03S 2-4FT H225945-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	2121931	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		111 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			94.4 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			94.7 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 03S 4.5FT H225945-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			96.0 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			97.4 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Celey D. Keene



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 04 4.5FT H225945-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		110 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	461		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	63.8		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			93.1 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 05 4.5FT H225945-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		133 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	15.5		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	153		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			94.1 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			96.1 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 06 0-2FT H225945-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		112 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			93.3 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			94.4 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

AL #2 Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 06 2-4FT H225945-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		109 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			93.4 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			93.4 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 06 4.5FT H225945-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PII	0)		110 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			94.6 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			95.9 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 07 4.5FT H225945-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		133 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	18.4		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
DRO >C10-C28*	210		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	23.9		10.0	mg/kg	1	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			97.6 %	45.3	-161	2121908	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	46.3	-178	2121908	MS	20-Dec-22	8015B	

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Celeg D. Keine

Reported:

21-Dec-22 17:58



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

GS - 07S 0-2FT H225945-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	624		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	0)		112 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			88.9 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			99.1 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 07S 2-4FT H225945-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	592		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		109 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			90.3 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			100 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 07S 4.5FT H225945-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	592		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			82.7 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			91.5 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Celey D. Keene



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 09 4.5FT H225945-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1960		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121911	JH/	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			109 %	69.9	-140	2121911	JH/	20-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			87.6 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			96.3 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 09N 0-2FT H225945-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Cardinal Laboratories											
Inorganic Compounds												
Chloride	112		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B			
Volatile Organic Compounds b	y EPA Method	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JH	19-Dec-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	19-Dec-22	8021B			
Surrogate: 4-Bromofluorobenzene (PID)			108 %	69.9	-140	2121912	JH	19-Dec-22	8021B			
Petroleum Hydrocarbons by G	C FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B			
Surrogate: 1-Chlorooctane			85.9 %	45.3	-161	2121909	MS	19-Dec-22	8015B			
Surrogate: 1-Chlorooctadecane			94.2 %	46.3	-178	2121909	MS	19-Dec-22	8015B			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 09N 2-4FT H225945-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	128		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	ЈН	19-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	ЈН	19-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		107 %	69.9	-140	2121912	ЈН	19-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			107 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			118 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 09N 4.5ft H225945-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JН	19-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JН	19-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	69.9	-140	2121912	ЈН	19-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			85.4 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			92.9 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

R FEDERAL #2 Reported: I-PRODOPS 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 10 4.5ft H225945-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds								S-04		
Benzene*	< 0.050		0.050	mg/kg	50	2121912	ЈН	19-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JH	19-Dec-22	8021B	GC-NC
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	19-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		169 %	69.9	-140	2121912	JH	19-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	22.7		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
DRO >C10-C28*	309		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
EXT DRO >C28-C36	39.9		10.0	mg/kg	1	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctane			85.8 %	45.3	-161	2121909	MS	19-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			107 %	46.3	-178	2121909	MS	19-Dec-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2

Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

Reported: 21-Dec-22 17:58

GS - 10E 0-2ft H225945-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	al Laborat	ories							
Inorganic Compounds	Inorganic Compounds											
Chloride	208		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B			
Volatile Organic Compound	s by EPA Method	8021										
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JН	20-Dec-22	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	20-Dec-22	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JH	20-Dec-22	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JН	20-Dec-22	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	20-Dec-22	8021B			
Surrogate: 4-Bromofluorobenzene (Pi	TD)		107 %	69.9	-140	2121912	ЈН	20-Dec-22	8021B			
Petroleum Hydrocarbons by	GC FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B			
Surrogate: 1-Chlorooctane			74.8 %	45.3	-161	2121909	MS	20-Dec-22	8015B			
Surrogate: 1-Chlorooctadecane			82.7 %	46.3	-178	2121909	MS	20-Dec-22	8015B			

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Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2

Project Number: 20220314-0814-PRODOPS

Project Manager: ANDREW PARKER

Fax To:

Reported: 21-Dec-22 17:58

GS - 10E 2-4ft H225945-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JН	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JН	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		107 %	69.9	-140	2121912	ЈН	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			87.8 %	45.3	-161	2121909	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			95.9 %	46.3	-178	2121909	MS	20-Dec-22	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

GS - 10E 4.5ft H225945-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	2121932	GM	19-Dec-22	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	< 0.050		0.050	mg/kg	50	2121912	JН	20-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2121912	JH	20-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		108 %	69.9	-140	2121912	ЈН	20-Dec-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2121909	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctane			83.5 %	45.3	-161	2121909	MS	20-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			90.9 %	46.3	-178	2121909	MS	20-Dec-22	8015B	

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Celey D. Keine



Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Reported: 21-Dec-22 17:58

Project Manager: ANDREW PARKER

Fax To:

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2121931 - 1:4 DI Water										
Blank (2121931-BLK1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	ND	16.0	mg/kg							
LCS (2121931-BS1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	416	16.0	mg/kg	400		104	80-120		·	
LCS Dup (2121931-BSD1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 2121932 - 1:4 DI Water										
Blank (2121932-BLK1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	ND	16.0	mg/kg							
LCS (2121932-BS1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2121932-BSD1)				Prepared &	Analyzed:	19-Dec-22				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Celey D. Keene



%REC

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Spike

Source

Reported: 21-Dec-22 17:58

RPD

Project Manager: ANDREW PARKER

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2121627 - Volatiles										
Blank (2121627-BLK1)				Prepared: 1	6-Dec-22 A	nalyzed: 2	0-Dec-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0553		mg/kg	0.0500		111	69.9-140			
LCS (2121627-BS1)				Prepared: 1	6-Dec-22 A	nalyzed: 2	0-Dec-22			
Benzene	2.16	0.050	mg/kg	2.00		108	83.4-122			
Toluene	2.25	0.050	mg/kg	2.00		112	84.2-126			
Ethylbenzene	2.29	0.050	mg/kg	2.00		115	84.2-121			
m,p-Xylene	4.69	0.100	mg/kg	4.00		117	89.9-126			
o-Xylene	2.25	0.050	mg/kg	2.00		112	84.3-123			
Total Xylenes	6.94	0.150	mg/kg	6.00		116	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0535		mg/kg	0.0500		107	69.9-140			
LCS Dup (2121627-BSD1)				Prepared: 1	6-Dec-22 A	nalyzed: 2	0-Dec-22			
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122	5.09	12.6	
Toluene	2.14	0.050	mg/kg	2.00		107	84.2-126	4.74	13.3	
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	84.2-121	4.92	13.9	
m,p-Xylene	4.45	0.100	mg/kg	4.00		111	89.9-126	5.25	13.6	
o-Xylene	2.13	0.050	mg/kg	2.00		107	84.3-123	5.22	14.1	
Total Xylenes	6.58	0.150	mg/kg	6.00		110	89.1-124	5.24	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	69.9-140			

Batch 2121911 - Volatiles

Blank (2121911-BLK1)			Prepared: 19-Dec-22 Analyzed: 20-Dec-22
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

69.9-140

109

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Spike

Source

Reported: 21-Dec-22 17:58

RPD

Project Manager: ANDREW PARKER

Fax To:

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

		reporting		Spine	Bouree		FOREEC		rer B	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2121911 - Volatiles										
Blank (2121911-BLK1)				Prepared: 1	19-Dec-22 A	Analyzed: 2	20-Dec-22			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0536		mg/kg	0.0500		107	69.9-140			
LCS (2121911-BS1)				Prepared: 1	19-Dec-22 A	Analyzed: 2	20-Dec-22			
Benzene	2.19	0.050	mg/kg	2.00		109	83.4-122			
Toluene	2.24	0.050	mg/kg	2.00		112	84.2-126			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	84.2-121			
m,p-Xylene	4.66	0.100	mg/kg	4.00		116	89.9-126			
o-Xylene	2.17	0.050	mg/kg	2.00		109	84.3-123			
Total Xylenes	6.83	0.150	mg/kg	6.00		114	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	69.9-140			
LCS Dup (2121911-BSD1)				Prepared:	19-Dec-22 A	Analyzed: 2	20-Dec-22			
Benzene	2.09	0.050	mg/kg	2.00		105	83.4-122	4.59	12.6	
Toluene	2.17	0.050	mg/kg	2.00		109	84.2-126	3.04	13.3	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	84.2-121	3.86	13.9	
m,p-Xylene	4.49	0.100	mg/kg	4.00		112	89.9-126	3.61	13.6	
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.3-123	4.33	14.1	
Total Xylenes	6.57	0.150	mg/kg	6.00		110	89.1-124	3.84	13.4	

Batch 2121912 - Volatiles

Surrogate: 4-Bromofluorobenzene (PID)

Blank (2121912-BLK1)				Prepared & Analyze	ed: 19-Dec-22		
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0535		mg/kg	0.0500	107	69.9-140	

mg/kg

0.0500

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0.0544

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Project: EAGLE FEATHER FEDERAL #2

Project Number: 20220314-0814-PRODOPS Project Manager: ANDREW PARKER

Spike

Source

Fax To:

Reported: 21-Dec-22 17:58

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2121912 - Volatiles										
LCS (2121912-BS1)				Prepared &	Analyzed:	19-Dec-22				
Benzene	2.14	0.050	mg/kg	2.00		107	83.4-122			
Toluene	2.31	0.050	mg/kg	2.00		115	84.2-126			
Ethylbenzene	2.27	0.050	mg/kg	2.00		113	84.2-121			
m,p-Xylene	4.70	0.100	mg/kg	4.00		118	89.9-126			
o-Xylene	2.24	0.050	mg/kg	2.00		112	84.3-123			
Total Xylenes	6.94	0.150	mg/kg	6.00		116	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	69.9-140			
LCS Dup (2121912-BSD1)				Prepared &	Analyzed:	19-Dec-22				
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122	3.86	12.6	
Toluene	2.21	0.050	mg/kg	2.00		110	84.2-126	4.39	13.3	
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	84.2-121	3.23	13.9	
m,p-Xylene	4.60	0.100	mg/kg	4.00		115	89.9-126	2.19	13.6	
o-Xylene	2.20	0.050	mg/kg	2.00		110	84.3-123	1.72	14.1	
Total Xylenes	6.80	0.150	mg/kg	6.00		113	89.1-124	2.04	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	69.9-140			

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Celeg D. Keene



%REC

Limits

76.8-124

76.8-124

RPD

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746

Analyte

LCS (2121908-BS1) GRO C6-C10

GRO C6-C10

Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Spike

Level

200

Source

Result

Prepared & Analyzed: 19-Dec-22

%REC

115

110

Reported: 21-Dec-22 17:58

RPD

Limit

17.2

18.6 17.6

4.20

4.09

Notes

Project Manager: ANDREW PARKER

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

10.0

10.0

Result

230

220

Blank (2121908-BLK1)		Prepared & Analyzed: 19-Dec-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0	96.2	45.3-161				
Surrogate: 1-Chlorooctadecane	49.2		mg/kg	50.0	98.4	46.3-178				

mg/kg

mg/kg

DRO >C10-C28	242	10.0	mg/kg	200	121	74.9-127
Total TPH C6-C28	472	10.0	mg/kg	400	118	77.5-124
Surrogate: 1-Chlorooctane	59.5		mg/kg	50.0	119	45.3-161
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0	117	46.3-178

LCS Dup (2121908-BSD1)]	Prepared & A	Analyzed: 19-Dec-22		
Surrogate: 1-Chlorooctadecane	58.5	mg/kg	50.0	117	46.3-178
Surroguie. 1-Chioroociane	39.3	mg/kg	30.0	119	45.5-101

DRO >C10-C28	232	10.0	mg/kg	200	116	74.9-127
Total TPH C6-C28	452	10.0	mg/kg	400	113	77.5-124
Surrogate: 1-Chlorooctane	55.4		mg/kg	50.0	111	45.3-161
Surrogate: 1-Chlorooctadecane	55.1		mg/kg	50.0	110	46.3-178

Batch 2121909 - General Prep - Organics

Blank (2121909-BLK1)				Prepared & Ana	lyzed: 19-Dec-22		
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0	92.8	45.3-161	
Surrogate: 1-Chlorooctadecane	52.1		mg/kg	50.0	104	46.3-178	

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Celey D. Keine



%REC

Limits

RPD

Analytical Results For:

AMEREDEV 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746

Analyte

Project: EAGLE FEATHER FEDERAL #2
Project Number: 20220314-0814-PRODOPS

Spike

Level

Source

Result

%REC

Reported: 21-Dec-22 17:58

RPD

Limit

Notes

Project Manager: ANDREW PARKER

Fax To:

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

LCS (2121909-BS1)				Prepared & Anal	lyzed: 19-Dec-22	2		
GRO C6-C10	213	10.0	mg/kg	200	106	76.8-124		
DRO >C10-C28	187	10.0	mg/kg	200	93.3	74.9-127		
Total TPH C6-C28	400	10.0	mg/kg	400	99.9	77.5-124		
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0	116	45.3-161		
Surrogate: 1-Chlorooctadecane	63.1		mg/kg	50.0	126	46.3-178		
LCS Dup (2121909-BSD1)				Prepared & Anal	lyzed: 19-Dec-22	2		
GRO C6-C10	224	10.0	mg/kg	200	112	76.8-124	5.10	17.2
DRO >C10-C28	193	10.0	mg/kg	200	96.5	74.9-127	3.36	18.6
Total TPH C6-C28	417	10.0	mg/kg	400	104	77.5-124	4.29	17.6
Surrogate: 1-Chlorooctane	61.4		mg/kg	50.0	123	45.3-161		
Surrogate: 1-Chlorooctadecane	68.0		mg/kg	50.0	136	46.3-178		

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Celey D. Keine



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

	1000												
Company Name:	Amereder				B	BILL TO				A	ANALYSIS RE	REQUEST	
Project Manager:	Andrew	Parler		P.O.	0. #:202	#:20220314-0814-prodops	4-Dradaps	\dashv		\dashv	- 1		
Address: ()				Co	mpany:	Company: Amereder		_	_				
City:		State:	Zip:	At	m:aDas	Attn: aparter @uneredex.com	dev.com			_			
Phone #:		Fax #:		Ad	Address:			1	0)	_			
Project #:		Project Owner:	.,	City:	y:			11.	M!	_			
Project Name:	Project Name: 20220314-0814-prodops	814-prodops		St	State:	Zip:		-)				
Project Location:	Eagle Fee	other Federal	#3	Ph	Phone #:			7.)re				
Sampler Name:	Jesus Pa	adomares		Fa	Fax #:			1 /		_			
FOR LAB USE ONLY			Р.	MATRIX	PRESERV	. SAMPLING		e	Ben				
Lab I.D.	Samp	Sample I.D.	AB OR (C)OMP	UNDWATER	/BASE: COOL ER:		e, .	hlorid	TEX (
H225448	10 00	113 h		GR WA SO OIL SLI	VCE	_	TIME	(B	+			
2	35-02 W	0-24	- { - }	-	-	- 8	75.36		_	+			
C (N	35-02W	2-44					0.43						
5	35-03	4.54					200			+			
16	35-035	0-24					11:07						
9~	20-03	27-14					11:11						
200	5-04	4.54				-	51:12			+			
PLEASE NOTE: Liability and Damages	05 Cardinal's	and client's exclusive remedy for an	y claim arisi	iability and client's exclusive remody for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	shall be limited	to the amount paid	11:33	1	\triangleleft				
analyses. All claims including service. In no event shall Car affiliates or successors arising	ns including those for negligence and an int shall Cardinal be liable for incidental o ssors arising out of or related to the perfo	y other cause whatsoever shall be d ir consequental damages, including mance of services hereunder by Co	eemed wah without limit ardinal, rega	analysiss. All claims including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ved by Cardinal use, or loss of p d upon any of the	within 30 days after rofits incurred by cli- ne above stated rear	completion of the ap ant, its subsidiaries, ons or otherwise.	plicable					
Relinquished By		Date: 12-15-22	Recei	Received By:	B		Verbal Result: All Results are	t: 🗆 🗎	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	Add'	Add'l Phone #: ide Email address:		
	MA	Times 1		Manora a	May	De la			2	9		00011	
Kelinquished by		Date: Time:	Recei	Received By:		1	REMARKS:	0	bole		leng	Blank	57
Delivered By: (Circle One)	cle One)	Observed Temp. °C	200	Sample Condition Cool Intact	CHEC)	CHECKED BY:	Turnaround Time:	ime:	Standard		Bacteria (only Cool Intact	/) Sample Condition Observed Temp. °C	()
Sampler - UPS - Bus - Other	us - Other:	Corrected Temp. °C	S	Yes Yes	4		Thermometer ID #113 Correction Factor -0.6°C	or -0.6°C			Yes Yes	Yes Yes Corrected Temp °C	, (

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326	26 FAX (575) 393-2476	476									
Company Name: Amerede					BILL TO	0			ANA	ANALYSIS REQUEST	UEST
Project Manager: And rew	Varler		+	P.O. #:10)2203IY	0220314-0814-prodeps					
Address: On-File			C	ompany	Company: Ameredex	dev	_	_			
City:	State:	Zip:	A	ttn:00	rice Da	Attn: aparter Warneredex. com					
Phone #:	Fax #:			Address:			20				
Project #:	Project Owner:	ה	0	City:			МІ	- 11		_	
Project Name: 202203/4-08/4-	2814-prodops		60	State:	Zip:		1+)			
Project Location: Fagle Fe	Jac	#5	70	Phone #:			200	ne		_	,
Sampler Name: Jesus P	alomares		TP	Fax #:			+1	ıze		_	
FOR LAB USE ONLY		P.	MATRIX	PRESERV		SAMPLING	le ro	Ber			
Lab I.D. Samı	Sample I.D.	(G)RAB OR (C)ON	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE:	OTHER:	TIME	TOH (G	BTEX (-	
3	0-2ft	-			12-15		- 6	?			
13 65-06	4.5.4					11:51	+				
14 GS-07	H.S.H					12:08					
16 65-075	2-44					12:20					
17 (35-075	4.5.H					12:21 12:21					
19 Gs-09 N	0-24	\$	4			12:30		<u></u>			
	d client her cau	ny claim an deemed wa without lim	Is exclusive remedy for any claim arising whether based in contract or forf, shall be limited to the amount paid by the client for the use whatsoever shall be deemed waked unless made in witing and received by Cardinal within 30 days after completion of the applicable uses whatsoever shall be deemed waked unless made in witing and received by Cardinal within 30 days after completion of the applicable uses whatsoever shall be deemed water by client, the subsidiaries of the contract of the subsidiaries of the contract of t	ort, shall be lin celved by Card of use, or loss	sited to the arrow inal within 30 day of profits incurry	nt paid by the client for the ys after completion of the app of by client, its subsidiaries.	plicable				
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Relinduished By:	Date: Time:	Rêce	Received By:			REMARKS:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	200	Sample Condition Cool Intact Tyes Tyes		CHECKED BY:	Turnaround Time: Thermometer ID #113 Correction Factor -0.8°C	#113 or -0.6°C	Standard Rush		Bacteria (only) (Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C No Corrected Temp °C

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:						
1	5		BILL TO		ANALYSIS REQUEST	
allager.	Indrew Parker		P.O. #: 2022 03 14-0814-produce	Produggs		-
Address: On-File			Company: Amereder			_
City:	State:	Zip:	Attn: aparter James	RI		
Phone #:	Fax #:		Address:			_
Project #:	Project Owner:		City:)+		_
Project Name: 20220314-0814- prodept	-0814-prodeps		State: Zip:	RC)		_
Project Location: _agle Fe	Teather Federal #2	艺	#	-D		_
7	lomares		Fax #:) t		_
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	Ц		
Lab I.D. Samp	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chloria TPH (G BTEX (B		
30 CS-10 E			1 12-15	7:40		
35 GS-10E		•	4	12:52		
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Relinquished By:	Date: 71me: Time:	Received By:		Verbal Result:	Add'I Phone #: ovide Email address: Luy Blank 3, 7 c	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C Corrected Temp. °C	Sample Condition Coop Intack Tyes B Yes No No No	CHECKED BY:	Turnaround Time: Standard Thermometer ID #113	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes	



December 22, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: EAGLE FEATHER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 12/16/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



12/16/2022

Soil

Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date:
Reported: 12/22/2022 Sampling Type:

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

A .. . l. d D. .. 311

Project Location: NONE GIVEN

Sample ID: GS - 01 4.5FT (H225979-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	0.403	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	GC-NC1
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	11.8	0.150	12/21/2022	ND	6.75	113	6.00	4.41	GC-NC1
Total BTEX	12.2	0.300	12/21/2022	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	460 %	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	476	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	432	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	19.9	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	125 %	² / ₆ 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 %	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date: 12/16/2022

Reported: 12/22/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: GS - 01N 0-2FT (H225979-02)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	<0.050	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.75	113	6.00	4.41	
Total BTEX	<0.300	0.300	12/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	19.0	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	97.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date: 12/16/2022

Reported: 12/22/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 20220314-0814-PRODOPS Sample Received By:

Project Location: NONE GIVEN

Sample ID: GS - 01N 2-4FT (H225979-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	<0.050	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.75	113	6.00	4.41	
Total BTEX	<0.300	0.300	12/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	13.0	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	93.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	6 46.3-17	8						

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Celey D. Keene



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date: 12/16/2022

Reported: 12/22/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 20220314-0814-PRODOPS

Project Location: NONE GIVEN

Sample ID: GS - 01N 4.5FT (H225979-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	<0.050	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.75	113	6.00	4.41	
Total BTEX	<0.300	0.300	12/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	10.5	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	89.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	6 46.3-17	8						

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Celey D. Keene



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date: 12/16/2022

Reported: 12/22/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: GS - 08 9FT (H225979-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/21/2022	ND	2.05	102	2.00	0.0851	GC-NC
Toluene*	1.08	0.100	12/21/2022	ND	2.24	112	2.00	0.0397	GC-NC1
Ethylbenzene*	2.16	0.100	12/21/2022	ND	2.20	110	2.00	4.07	GC-NC1
Total Xylenes*	27.6	0.300	12/21/2022	ND	6.75	113	6.00	4.41	GC-NC1
Total BTEX	30.8	0.600	12/21/2022	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	288	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	230	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	254	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	15.8	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

Received: 12/16/2022 Sampling Date: 12/16/2022

Reported: 12/22/2022 Sampling Type: Soil

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

Sample ID: BACKFILL 01 (H225979-06)

BTEX 8021B

DILX GOZID	ıııg,	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	<0.050	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.75	113	6.00	4.41	
Total BTEX	<0.300	0.300	12/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	76.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.9	% 46.3-17	8						

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Celey D. Keine



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with

interfering compounds.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476	3-2476		
ompany Name: Ameredex		B	ANALYSIS REQUEST
roject Manager: Andrew Parker		P.O. #: 2022 0314-0814-Anda	Podego
- File		Company: Ameredev	(0)
ity: State:	Zip:	Attn: apa-ker@ameredev.com	MR
hone #: Fax #:		Address:	
roject #: Project Owner:		City:	
ame: 2022 0314-0814-1	Ondops	State: Zip:	DI
2	erat #2	Phone #:	(
ampler Name: Josus Calomares		Fax #:	e 20
	MATRIX	PRESERV. SAMPLING	de
Lab I.D. Sample I.D.	G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chlori TPH (C BTEX)
165-01 4.5A 45-01 N 0-24 7 GS-01 N 0-24		12-16	11: S2
6 Backfill Ol		W 4 13	2:09
LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the nalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable notice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaties, and the consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiations.	nedy for any claim arising whether based in contract shall be deemed waived unless made in writing and including without limitation, business interruptions,	or tort, shall be limited to the amount paid by the dreceived by Cardinal within 30 days after com loss of use, or loss of profits incurred by second the second that the the second t	aid by the client for the fler completion of the applicable yellow, its subsidiaries.
Relinquished By: Time: 7	Sentoes hereunder by Calculate, legarines of minutes add coming account of the party of the part	Ve All	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
By:	Received By:	RE	REMARKS: Cooler Temp Blank 0.30
Delivered By: (Circle One) Observed Temp. °C Sampler - UPS - Bus - Other: Corrected Temp. °C	np. °C 23 Sample Condition Cool Intact Cool Pres Pres	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Bacteria (only) Sample Condition Rush ☐ Cool Intact Observed Temp. °C Thermometer ID #113 Correction Factor -0.6°C ☐ Nc ☐ No Corrected Temp. °C

Page 9 of 9



December 30, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: EAGLE FEATHER FEDERAL #2

Enclosed are the results of analyses for samples received by the laboratory on 12/27/22 15:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celey D. Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



12/27/2022

Analytical Results For:

AMEREDEV ANDREW PARKER 2901 VIA FORTUNA , SUITE 600 AUSTIN TX, 78746 Fax To:

12/27/2022 Sampling Date:

Reported: 12/30/2022 Sampling Type: Soil Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Coo

Project Name: EAGLE FEATHER FEDERAL #2 Sampling Condition: Cool & Intact
Project Number: 20220314-0814-PRODOPS Sample Received By: Shalyn Rodriguez

A I J D. ... 711

Project Location: NONE GIVEN

Sample ID: GS - 07 S PAD 0FT (H226079-01)

Received:

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/28/2022	ND	2.11	106	2.00	1.09	
Toluene*	<0.050	0.050	12/28/2022	ND	2.21	111	2.00	0.780	
Ethylbenzene*	<0.050	0.050	12/28/2022	ND	2.14	107	2.00	0.957	
Total Xylenes*	<0.150	0.150	12/28/2022	ND	6.59	110	6.00	1.05	
Total BTEX	<0.300	0.300	12/28/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/28/2022	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/28/2022	ND	189	94.7	200	2.61	
DRO >C10-C28*	<10.0	10.0	12/28/2022	ND	175	87.7	200	9.50	
EXT DRO >C28-C36	<10.0	10.0	12/28/2022	ND					
Surrogate: 1-Chlorooctane	85.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.2	% 46.3-17	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C Yes Yes Yes No Corrected Temp. °C	Turnaround Time: Stand Rush Thermometer ID #113 Correction Factor -0.6°C	CHECKED BY:	Sample Condition Cool Intact Cool Intact Ves Ves	Observed Temp. °C 4, 8:	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
BIAME: 1.60	TEMP BI		Received By:	Date:	Relinquished By:
8	All Results are emailed. Pleas	_	Received By:	100	Relinquished By:
□ No Add'I Phone #:	Yes	r (pr., snall be linned to the arrown, pass by received by Cardinal within 30 days after comp so of use, or loss of profits incurred by client, il based upon any of the above stated reasons.	PLEASE NOTE: Liability and Damages. Cardinal's liability and clients's exclusive mencely for any claim arising whether based in contract or fort, small be immor to the amount power of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for indefinal for consequential damages, including without imitation, business interruptions, loss of true, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for indefinal or condendation consequential damages, including without imitation, business interruptions, loss of true, or loss of profits incurred by client, its subsidiaries, as finished and the services of the services of the services of the control of the above stated reasons or otherwise. If the control of the service of the control of the control of the above stated reasons or otherwise.	linal's liability and client's exclusive remedy fi jence and any other cause whatsoever shall ir incidental or consequental damages, inclu d to the performance of services hereunder	PLEASE NOTE: Liability and Demages. Cardinal's liability and analyses. All claims including those for negligence and any of service. In no event shall Cardinal be liable for incidental or or affiliates or successors arising out of or related to the perform
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	+D zer	Fax#:		20	Project Location: Layle
	RO	State: ZIP:	#5		
	+1			Project Owner:	Project #:
	1 RI	Address:	A	Fax #:	Phone #:
		Attn: apriker ganereder.com	Zip:	State:	City:
		Company: Amereder	C	-	Address: Oh- File
	Andogs	P.O. #: 202203 14-0814-20-4	P	Cem Parker	A
ANALYSIS REQUEST		BILL TO			Company Name: A
			2476	575) 393-2326 FAX (575) 393-2476	(575) 393

Page 4 of 4

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 172014

CONDITIONS

Operator:	OGRID:
AMEREDEV OPERATING, LLC	372224
2901 Via Fortuna	Action Number:
Austin, TX 78746	172014
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	1/30/2023