

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 103321

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 103321
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Herkimer BQF Fed 1H 20220429-1200-prodops
Date Release Discovered	04/29/2022
Surface Owner	Private

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 103321

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 103321
	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	No, minor release.
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, to whom	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, when	<i>Not answered.</i>
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	<i>Not answered.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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.

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ACKNOWLEDGMENTS

Action 103321

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 103321
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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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CONDITIONS

Action 103321

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 103321
	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.	5/2/2022

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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	nAPP2212251851
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Ameredev Operating, LLC	OGRID: 372224
Contact Name: Shane M ^c Neely	Contact Telephone: (737) 300-4700
Contact email: smcneely@ameredev.com	Incident # (assigned by OCD) nAPP2212251851
Contact mailing address: 2901 Via Fortuna, Suite 600 Austin, Texas 78746	

Location of Release Source

Latitude 32.1136328 _____ Longitude -103.2721274 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Herkimer BQF Fed 1H 20220429-1200-prodops	Site Type Pipeline Right-Of-Way
Date Release Discovered 04/29/2022	API# (if applicable) 30-025-20381

Unit Letter	Section	Township	Range	County
K	21	25S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Intrepid Potash _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

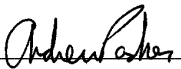
Cause of Release Failure of polypipe pipeline

Incident ID	nAPP2212251851
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Andrew Parker</u>	Title: <u>Env. Scientist</u>
Signature: <u></u>	Date: <u>05/02/2022</u>
email: <u>aparker@ameredev.com</u>	Telephone: <u>970-570-9535</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	1636.25
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	57.3
		[gal]	428.4
		Barrels	10.2

From GIS

Sq. Ft 2975

Depth (ft) 0.55

Cu. Ft 1636.25

Incident ID	nAPP2212251851
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release? <u>Plate 2</u> Please refer to initial submission for additional characterization information.	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? <u>Plate 4</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? <u>Plate 4</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? <u>Plate 5</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? <u>Plate 3</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? <u>Plate 3</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? <u>Plate 3</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland? <u>Plate 6</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine? <u>Plate 7</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology? <u>Plate 8</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain? <u>Plate 9</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

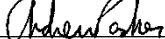
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2212251851
District RP	
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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 ParkerTitle: Env. ScientistSignature: Date: Revised February 16, 2023email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**

Received by: _____

Date: _____

Incident ID	nAPP2212251851
District RP	
Facility ID	
Application ID	

Remediation Plan

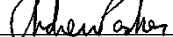
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete 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 ParkerTitle: Env. ScientistSignature: Date: June 16, 2022email: aparker@ameredev.comTelephone: 970-570-9535**OCD Only**

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____

Date: _____

Incident ID	nAPP2212251851
District RP	
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Closure

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

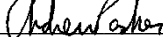
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: Revised February 16, 2023

email: aparker@ameredev.com


Telephone: 970-570-9535

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: 

Date: 03/01/2023

Printed Name: Jennifer Nobui

Title: Environmental Specialist A



Ameredev II, LLC

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

February 16, 2023

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

RE: Characterization, Remediation, & Closure Report
Incident ID: nAPP2212251851
Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

NMOCD:

Ameredev Operating respectfully submits revisions to Characterization, Remediation, and Closure report for Incident nAPP2212251851 submitted June 16, 2022.

On June 30, 2022; the OCD denied Closure Report stating depth to groundwater was not adequately determined and further remediation and delineation was indicated. Communications are attached in Appendix A.

- **Closure Report 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. Delineation and remediation has not been completed in areas B-01, B-02, and B-03. Please resubmit a revised Closure Report by August 1, 2022.**

To provide adequate depth to water determination within ½-mile of the release extent, Ameredev Operating initiated a depth-to-water borehole program mid-September 2022 and will continue through mid-2023:

- Boreholes are located throughout Ameredev Operating leases in New Mexico.
- Located within ½-mile of identified areas, and
- Drilled to a depth of approximately 101-feet below ground surface, left open for 72-hours, then gauged for the presence of groundwater within the upper 100-feet of ground surface.

Incident ID: nAPP2212251851
Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

1. Characterization

Depth to Ground Water

The nearest depth-to-water boring relative to the release extent is mapped on Plate 2 Rev. The Office of the State Engineer well log is attached in Appendix B:

- MISC-417 (CP-1950) located 286-feet northwest of the release extent with a depth to water of >101 ft. dated 02/08/2023. The borehole is plugged.

2. Remediation & Closure

The release occurred within a pipeline right-of-way adjacent to, and south of, an active production site used for oil and gas operations. The release extent was remediated to the following Closure Criteria, per 19.15.29 NMAC, where depth to water is > 100 ft, *confirmed with recent DTW borehole*:

- Upper 4-feet
 - Chloride < 600 mg/kg
 - TPH (GRO + DRO + MRO) < 100 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg
- Below 4-feet
 - Chloride < 20,000 mg/kg
 - TPH (GRO + DRO + MRO) < 2,500 mg/kg
 - TPH (GRO + DRO) < 1,000 mg/kg
 - BTEX < 50 mg/kg
 - Benzene < 10 mg/kg

Soil confirmation base and wall samples were collected representing an area no greater than 200 sq ft. Plate 10 shows the sample grid with 1) associated square footage, 2) wall length and 3) excavation depth. Plate 11 shows the confirmation sample point locations. Table A presents the sample point coordinates.

02/16/2023

Incident ID: nAPP2212251851
Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

All samples exhibited TPH, Benzene, and BTEX below laboratory detection levels. The highest chloride concentration was observed at base sample B-03 at 6.5 ft below ground surface. Chloride exhibited 15,600 mg/kg, below the 20,000 mg/kg Closure Criteria. B-03 grab samples were collected at 7.5 and 8.5 ft below ground surface to delineate chloride concentrations with depth. Chloride concentrations decreased with depth exhibiting 13,000 and 11,600 mg/kg, respectively. Table B is a summary of analytical results. Sample IDs with B-## represent base samples; W-## represent wall samples. Backfill material was sampled for Chloride, TPH, BTEX, and Benzene. Backfill soil concentrations were below the most stringent Closure Criteria concentrations.

Appendix C contains the laboratory Certificates of Analysis.



*Figure 1: View of excavation in progress looking west from eastern extent.
Date Taken: 2022-05-11 12:01:24. GPS: 32.1135497, -103.2720100*

Approximately 200 cu. yds. of material was excavated and hauled off-site to an approved disposal facility. From excavation depth to 2-feet below ground surface was backfilled with clean non-waste containing caliche. From 2-feet below ground surface to the surface was backfilled with clean non-waste containing topsoil. The ROW was reseeded per the surface use agreement (SUA).

02/16/2023

Released to Imaging: 3/1/2023 11:23:58 AM

Incident ID: nAPP2212251851
Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

The remediated area was restored, and reclaimed per 19.15.29.13.A-D.

Please contact me with any questions at 970-570-9535.

Sincerely,
Ameredev II, LLC



Andrew Parker
Env. Scientist

02/16/2023

Released to Imaging: 3/1/2023 11:23:58 AM

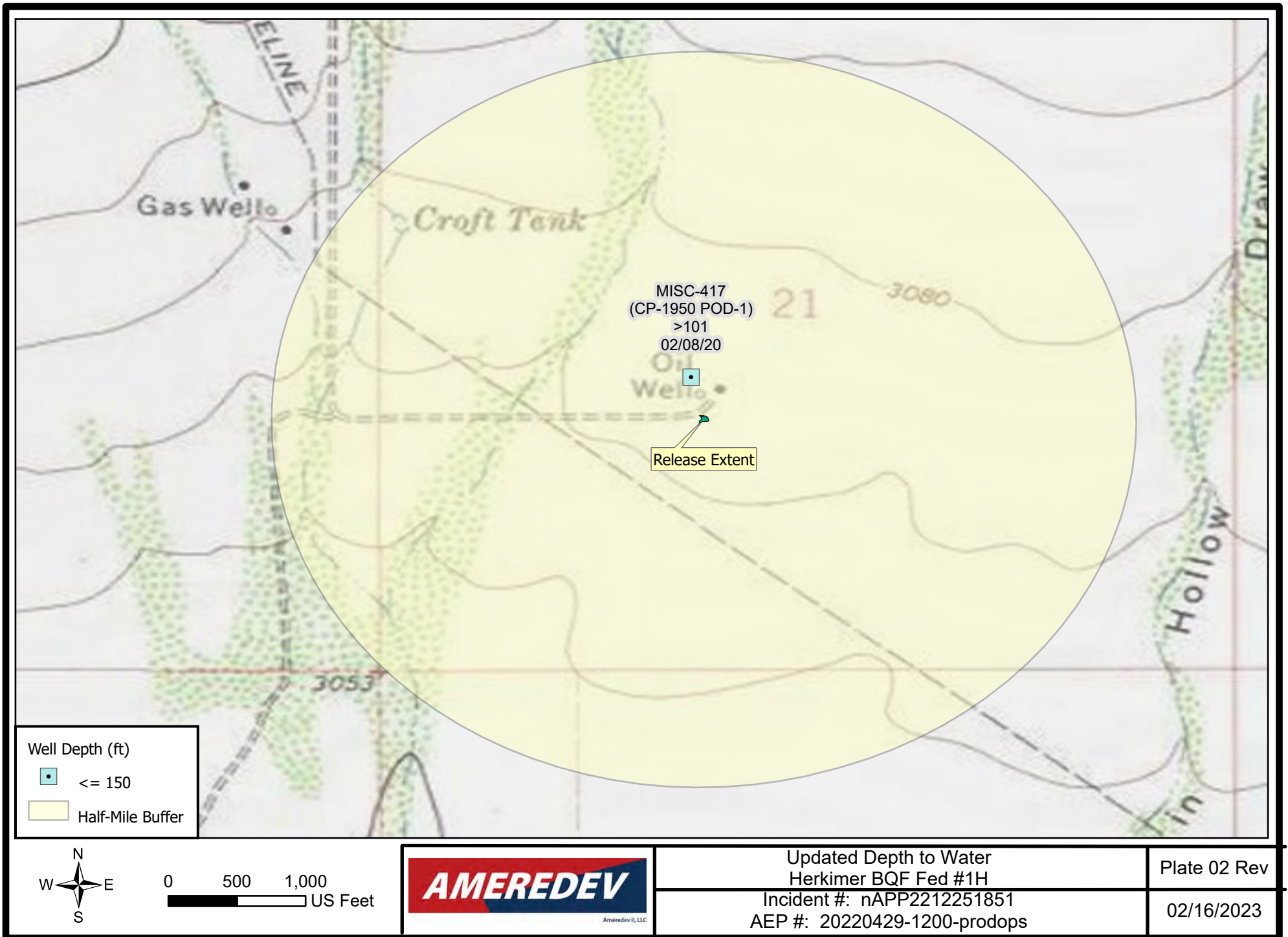


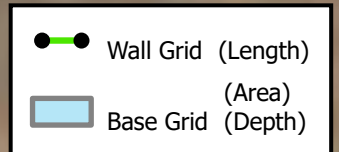
Ameredev II, LLC

Plates



Ameredev II, LLC





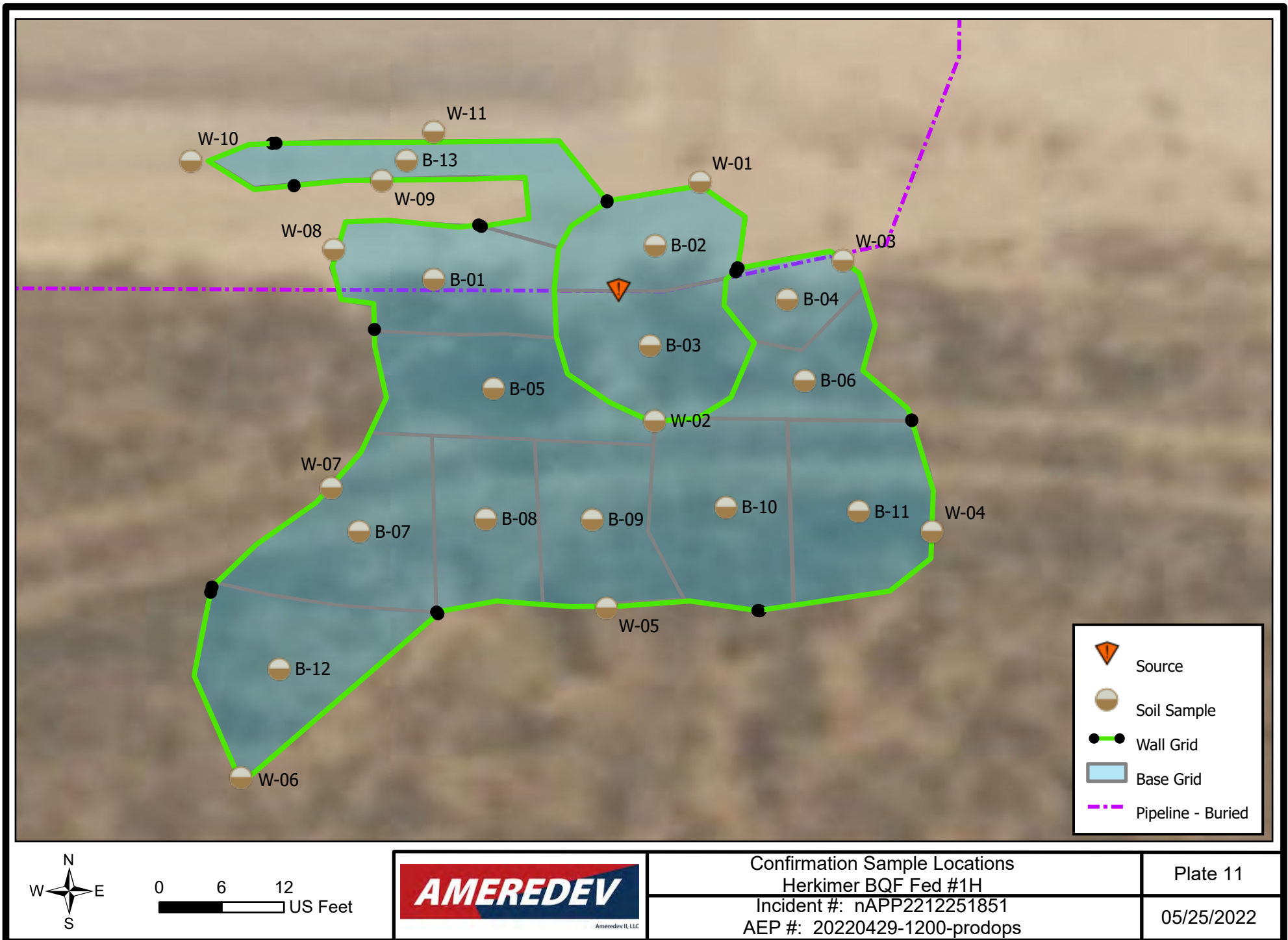
0 6 12 US Feet



Grid Size and Excavation Depth
Herkimer BQF Fed #1H
Incident #: nAPP2212251851
AEP #: 20220429-1200-prodops

Plate 10

02/15/2023



Tables



Ameredev II, LLC

Sample ID		Latitude	Longitude
Source	Source	32.11358063	-103.27211085
B-01	Soil Sample	32.11358365	-103.27215931
B-02	Soil Sample	32.11359260	-103.27210107
B-03	Soil Sample	32.11356623	-103.27210245
B-04	Soil Sample	32.11357846	-103.27206622
B-05	Soil Sample	32.11355491	-103.27214362
B-06	Soil Sample	32.11355710	-103.27206170
B-07	Soil Sample	32.11351727	-103.27217906
B-08	Soil Sample	32.11352056	-103.27214567
B-09	Soil Sample	32.11352042	-103.27211762
B-10	Soil Sample	32.11352375	-103.27208241
B-11	Soil Sample	32.11352255	-103.27204747
B-12	Soil Sample	32.11348104	-103.27220011
B-13	Soil Sample	32.11361506	-103.27216661
W-01	Soil Sample	32.11360934	-103.27208928
W-02	Soil Sample	32.11354647	-103.27210120
W-03	Soil Sample	32.11358876	-103.27205157
W-04	Soil Sample	32.11351733	-103.27202806
W-05	Soil Sample	32.11349721	-103.27211393
W-06	Soil Sample	32.11345246	-103.27221027
W-07	Soil Sample	32.11352885	-103.27218646
W-08	Soil Sample	32.11359161	-103.27218579
W-09	Soil Sample	32.11360978	-103.27217305
W-10	Soil Sample	32.11361489	-103.27222334
W-11	Soil Sample	32.11362256	-103.27215931

Table B
Summary of Analytical

Incident ID: nAPP2212251851
Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Location	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Comments	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600	--	2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
B-01	5/13/2022	4			Base	192	<20	<30	<0.05	<0.3		Cardinal	H222056
B-02	5/13/2022	6.5			Base	4,960	<20	<30	<0.05	<0.3		Cardinal	H222056
B-02	5/13/2022	7.5			Grab	2,190	<20	<30	<0.05	<0.3		Cardinal	H222056
B-02	5/13/2022	8.5			Grab	80	<20	<30	<0.05	<0.3		Cardinal	H222056
B-03	5/13/2022	6.5			Base	15,600	<20	<30	<0.05	<0.3		Cardinal	H222056
B-03	5/13/2022	7.5			Grab	13,300	<20	<30	<0.05	<0.3		Cardinal	H222056
B-03	5/13/2022	8.5			Grab	11,600	<20	<30	<0.05	<0.3		Cardinal	H222056
B-04	5/13/2022	4			Base	32	<20	<30	<0.05	<0.3		Cardinal	H222056
B-05	5/13/2022	2			Base	16	<20	<30	<0.05	<0.3		Cardinal	H222056
B-06	5/13/2022	1			Base	1,870	<20	<30	<0.05	<0.3	Removed	Cardinal	H222056
B-06	5/20/2022	1.25			Base	16	<20	<30	<0.05	<0.3		Cardinal	H222172
B-07	5/13/2022	2			Base	480	<20	<30	<0.05	<0.3		Cardinal	H222056
B-07	5/20/2022	2.5			Grab	80	<20	<30	<0.05	<0.3		Cardinal	H222171
B-08	5/13/2022	2			Base	64	<20	<30	<0.05	<0.3		Cardinal	H222056
B-09	5/13/2022	2			Base	16	<20	<30	<0.05	<0.3		Cardinal	H222056
B-10	5/13/2022	1			Base	48	<20	<30	<0.05	<0.3		Cardinal	H222056
B-11	5/13/2022	1			Base	32	<20	<30	<0.05	<0.3		Cardinal	H222056
B-12	5/13/2022	1			Base	64	<20	<30	<0.05	<0.3		Cardinal	H222056
B-13	5/13/2022	1			Base	64	<20	<30	<0.05	<0.3		Cardinal	H222056
W-01	5/13/2022		0	2	Wall	16	<20	<30	<0.05	<0.3		Cardinal	H222056
W-01	5/13/2022		2	4	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-01	5/13/2022	4.5			Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-02	5/13/2022		0	2	Removed						Removed		
W-02	5/13/2022		2	4	Wall	80	<20	<30	<0.05	<0.3		Cardinal	H222056
W-02	5/13/2022	4.5			Wall	48	<20	<30	<0.05	<0.3		Cardinal	H222056
W-03	5/13/2022		0	2	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-03	5/13/2022		2	4	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-04	5/13/2022		0	1	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-05	5/13/2022		0	2	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-06	5/13/2022		0	1	Wall	80	<20	<30	<0.05	<0.3		Cardinal	H222056
W-07	5/13/2022		0	2	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-08	5/13/2022		0	2	Wall	32	<20	<30	<0.05	<0.3		Cardinal	H222056
W-08	5/13/2022		2	4	Wall	16	<20	<30	<0.05	<0.3		Cardinal	H222056
W-09	5/13/2022		0	1	Wall	<16	<20	<30	<0.05	<0.3		Cardinal	H222056
W-10	5/13/2022		0	1	Wall	<16	<20	<30	<0.05	<0.3		Cardinal	H222056
W-11	5/13/2022		0	1	Wall	<16	<20	<30	<0.05	<0.3		Cardinal	H222056
TS Back Fill	6/7/2022				Topsoil Backfill	32	<20	<30	<0.05	<0.3		Cardinal	H222445
Caliche Back Fill	6/7/2022				Caliche Backfill	80	<20	<30	<0.05	<0.3		Cardinal	H222445

Appendix A

Communications



Ameredev II, LLC

Andrew Parker

From: OCDOnline@state.nm.us
Sent: Thursday, June 30, 2022 12:37 PM
To: Andrew Parker
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 118105

External (ocdonline@state.nm.us)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

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#) nAPP2212251851, for the following reasons:

- **Closure Report 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. Delineation and remediation has not been completed in areas B-01, B-02, and B-03. Please resubmit a revised Closure Report by August 1, 2022.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 118105.

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

Andrew Parker

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Friday, May 6, 2022 9:51 AM
To: Andrew Parker
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: FW: [EXTERNAL] 48 hour sampling notice Incident nAPP2212251851 Herkimer BQF Fed 1H

External (jennifer.nobui@state.nm.us)

[Report This Email](#) [FAQ](#) [Protection by INKY](#)

Andrew,

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.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Friday, May 6, 2022 9:07 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: Fw: [EXTERNAL] 48 hour sampling notice Incident nAPP2212251851 Herkimer BQF Fed 1H

From: Andrew Parker <aparker@ameredev.com>
Sent: Friday, May 6, 2022 9:04 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Subject: [EXTERNAL] 48 hour sampling notice Incident nAPP2212251851 Herkimer BQF Fed 1H

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 confirmation sampling notice for Incident nAPP2212251851. The confirmation sampling is schedule to commence on Tuesday May 10th.

Project #: 20220429-1200-prodops
Location: Herkimer BQF Fed #1H

Andrew Parker
Environmental Scientist
970-570-9535



From: Andrew Parker
Sent: Monday, May 2, 2022 3:40 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Jason Jones <Jason.Jones@intrepidpotash.com>; Floyd Hammond <fhammond@ameredev.com>; Shane McNeely <smcneely@ameredev.com>
Subject: C-141 NOR Incident nAPP2212251851 Herkimer BQF Fed 1H

NMOCD,

Attached is a copy of the C-141 NOR for Incident nAPP2212251851 that was submitted via the online portal 05/02/2022. Included with the C-141 NOR is the volume calculation.

Location: Herkimer BQF Fed #1H
AEP #: 20220429-1200-prodops

Please contact me with any questions.

Regards.

Andrew Parker
Environmental Scientist
970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, May 2, 2022 3:24 PM
To: Andrew Parker <aparker@ameredev.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 103321

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

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2212251851, with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.**

Please reference nAPP2212251851, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

Appendix B

Well Logs



Ameredeve II, LLC



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

February 15 2023

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

Hand Delivered to the DII Office of the State Engineer

Re: Corrected Well Record CP-1950 Pod-1

To whom it may concern:

Attached please find a corrected well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1950 Pod-1.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

WGL 011 FEB 16 2023 4:11:30



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1950			
	WELL OWNER NAME(S) Ameredev Operating, LLC				PHONE (OPTIONAL) 737-300-4700			
	WELL OWNER MAILING ADDRESS 2901 Via Fortuna Suite 600				CITY Austin	STATE TX	ZIP 78746	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 6	SECONDS 51.77 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	16	20.57 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE SW Sec.21 T25S R36E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 02/07/2023	DRILLING ENDED 02/08/2023	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 02/8/23&2/13/23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 101		±6.25	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, fine-grained, poorly graded, Brown	Y ✓ N	
	9	24	15	Sand, fine-grained, poorly graded, with Caliche, Brown	Y ✓ N	
	24	40	16	Sand, fine-grained, poorly graded, with Caliche, Tan Brown	Y ✓ N	
	40	84	44	Sand, fine-grained, poorly graded, with stiff clay, Tan Brown	Y ✓ N	
	84	89	5	Sand, fine-grained, poorly graded, Tan Brown	Y ✓ N	
	89	101	12	Clay, Stiff, with fine-grained sand, Dark Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed, backfilled with drill cutting to 10 foot below ground surface(bgs), then placed hydrated bentonite from 10 bgs to surface, see attached plugging record. 8	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins SIGNATURE OF DRILLER / PRINT SIGNEE NAME	02/16/2023 DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 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. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1950
 Well owner: Ameredev Operating, LLC Phone No.: 737-300-4700
 Mailing address: 2901 Via Fortuna Suite 600
 City: Austin State: Texas Zip code: 78746

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 02/13/2023 Date well plugging concluded: 02/13/2023
- 5) GPS Well Location: Latitude: 32 deg, 6 min, 51.77 sec
 Longitude: 103 deg, 16 min, 20.57 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 101 ft below ground level (bgl),
 by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: dry ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 01/17/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

USE ON FEB 15 2023 AM 11:50

- For each interval plugged, describe within the following columns:**

III. SIGNATURE:

Jack Atkins

02/16/2023

Version: September 8, 2009
Page 2 of 2






8-_WEIILog-CP-1950-packet-forsign

Final Audit Report

2023-02-16

Created:	2023-02-16
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAT4NFzZ5ZX83b7wZcgPB4hNoDc4GZV5DU

"8-_WEIILog-CP-1950-packet-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2023-02-16 - 4:28:33 PM GMT- IP address: 64.17.82.146
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-02-16 - 4:29:19 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2023-02-16 - 4:52:26 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-02-16 - 4:55:07 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2023-02-16 - 4:55:07 PM GMT

05E 01F FEB 16 2023 PM11:51

Appendix C

Certificates of Analysis



Ameredev II, LLC



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

May 18, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: HERKIMER BQF FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 05/13/22 15:31.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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



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: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 01 4' (H222056-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76	
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51	
Total BTX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/17/2022	ND	432	108	400	0.00		

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	05/18/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 02 6.5' (H222056-02)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	05/17/2022	ND	400	100	400	7.69	QM-07	

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.9 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 02 7.5' (H222056-03)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2190	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.3 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 02 8.5' (H222056-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.2 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 03 6.5' (H222056-05)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76	
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15600	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.5 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 03 7.5' (H222056-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13300	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.7 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 03 8.5' (H222056-07)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	05/17/2022	ND	400	100	400	7.69	

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 04 4' (H222056-08)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2022	ND	400	100	400	7.69	

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 05 2' (H222056-09)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.6 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 06 1' (H222056-10)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1870	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 07 2' HERK (H222056-11)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/17/2022	ND	400	100	400	7.69	

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 08 2' HERK (H222056-12)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 09 2' HERK (H222056-13)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76		
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 10 1' HERK (H222056-14)

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	05/17/2022	ND	2.05	102	2.00	9.90	
Toluene*	<0.050	0.050	05/17/2022	ND	2.13	106	2.00	11.1	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.12	106	2.00	9.20	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.49	108	6.00	10.0	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 11 1' HERK (H222056-15)

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	05/17/2022	ND	2.05	102	2.00	9.90		
Toluene*	<0.050	0.050	05/17/2022	ND	2.13	106	2.00	11.1		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.12	106	2.00	9.20		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.49	108	6.00	10.0		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
Reported: 05/18/2022
Project Name: HERKIMER BQF FED #1H
Project Number: 20220429-1200-PRODOPS
Project Location: NONE GIVEN

Sampling Date: 05/13/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: B - 12 1' HERK (H222056-16)

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	05/17/2022	ND	2.05	102	2.00	9.90		
Toluene*	<0.050	0.050	05/17/2022	ND	2.13	106	2.00	11.1		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.12	106	2.00	9.20		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.49	108	6.00	10.0		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B - 13 1' HERK (H222056-17)

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	05/17/2022	ND	2.05	102	2.00	9.90		
Toluene*	<0.050	0.050	05/17/2022	ND	2.13	106	2.00	11.1		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.12	106	2.00	9.20		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.49	108	6.00	10.0		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 01 0-2' HERK (H222056-18)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2022	ND	400	100	400	7.69	

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 01 2-4' HERK (H222056-19)

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	05/17/2022	ND	1.97	98.6	2.00	3.29		
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 01 4.5' HERK (H222056-20)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2022	ND	400	100	400	7.69	

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 02 2-4' (H222056-21)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2022	ND	400	100	400	7.69		

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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 02 4.5' (H222056-22)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 03 0-2' (H222056-23)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.1 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 03 2-4' (H222056-24)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEx	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 04 0-1' (H222056-25)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 05 0-2' (H222056-26)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEx	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 06 0-1' (H222056-27)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEx	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 07 0-2' (H222056-28)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 08 0-2' (H222056-29)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEX	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 08 2-4' (H222056-30)

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	05/17/2022	ND	1.97	98.6	2.00	3.29		
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 09 0-1' (H222056-31)

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	05/17/2022	ND	1.97	98.6	2.00	3.29	
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09	
Total BTEx	<0.300	0.300	05/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 10 0-1' (H222056-32)

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	05/17/2022	ND	1.97	98.6	2.00	3.29		
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09		
Total BTEx	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2022	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	05/17/2022	ND	199	99.4	200	6.57	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	191	95.7	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2022
 Reported: 05/18/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 05/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W - 11 0-1' (H222056-33)

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	05/17/2022	ND	1.97	98.6	2.00	3.29		
Toluene*	<0.050	0.050	05/17/2022	ND	2.00	100	2.00	2.20		
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	2.00	99.8	2.00	2.67		
Total Xylenes*	<0.150	0.150	05/17/2022	ND	6.09	101	6.00	2.09		
Total BTEX	<0.300	0.300	05/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2022	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	05/16/2022	ND	190	95.0	200	1.45	
DRO >C10-C28*	<10.0	10.0	05/16/2022	ND	191	95.3	200	5.06	
EXT DRO >C28-C36	<10.0	10.0	05/16/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerdev</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Andrew Parker</u>		Company: <u>Amerdev</u>					
Address: <u>On File</u>		Attn:					
City:		State:		Zip:			
Phone #:		Fax #:		Address: <u>Amerdev.com</u>			
Project #: <u>2022-0424-1000-Pedals</u>		Project Owner:		City: <u>Amerdev.com</u>			
Project Name:		State:		Zip:			
Project Location: <u>Hertimer BOF Fed #1H</u>		Phone #:					
Sampler Name: <u>Jesus Palmares</u>		Fax #:					
FOR LAB USE ONLY		(G)RAB OR (C)OMP.		# CONTAINERS			
Lab I.D.		Sample I.D.		MATRIX		PRESERV	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
		DATE		TIME			
1		B-01 4ft		05-13-2022		08:45	
2		B-02 6.5ft				08:50	
3		B-02 7.5ft				08:55	
4		B-02 8.5ft				09:10	
5		B-03 6.5ft				09:15	
6		B-03 7.5ft				09:20	
7		B-03 8.5ft				09:25	
8		B-04 4ft				09:30	
9		B-05 2ft				09:35	
10		B-06 1ft				09:40	
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Relinquished By:		Received By: <u>Michael Keene</u>		Date: <u>05-13-2022</u>		Time: <u>5:32pm</u>	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition	
Sampler - UPS - Bus - Other:		54.0		54.0		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
FCM#000R321007121		54.0		54.0		Checked By: <u>SK</u>	
† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com		Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/>	
		Thermometer ID #113		Correction Factor -0.5°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Corrected Temp. °C	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerex</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Andrew Parker</u>		Company: <u>Amerex</u>					
Address: <u>On File</u>		Attn:					
City:		State:		Zip:			
Phone #:		Fax #:					
Project #: <u>2022-0424-1200-Phelps</u>		Project Owner:					
Project Name:		City: <u>Amerex.com</u>					
Project Location: <u>Herkimer BQF Fed #14</u>		State:		Zip:			
Sampler Name: <u>Jesus Palomares</u>		Phone #:					
FOR LAB USE ONLY		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (GRO+ DRO+ MRO)	Benzene, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
11	B-07 2ft Herk		1									05-13-22	09:50	✓	✓	✓
12	B-08 2ft Herk		1									10:00		✓	✓	✓
13	B-09 2ft Herk		1									10:05		✓	✓	✓
14	B-10 1ft Herk		1									10:10		✓	✓	✓
15	B-11 1ft Herk		1									10:15		✓	✓	✓
16	B-12 1ft Herk		1									10:25		✓	✓	✓
17	B-13 1ft Herk		1									10:30		✓	✓	✓
18	B-01 0-2ft Herk		1									10:35		✓	✓	✓
19	B-01 2-4ft Herk		1									10:38		✓	✓	✓
20	B-01 4.5ft Herk		1									10:40		✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the service. 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>for Phelps</u>	Date: <u>05-13-22</u>	Received By: <u>Shedrick</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <u>for Phelps</u>	Date: <u>05-13-22</u>	Received By: <u>Shedrick</u>	All Results are emailed. Please provide Email address:
Time: <u>3:10pm</u>			
Date: <u>05-13-22</u>			
Time: <u>1531</u>			

Delivered By: (Circle One)	Observed Temp. °C: <u>16.4</u>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <u>5.9</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	<u>SK</u>		<u>Rush</u>	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Observed Temp. °C
		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp. °C
FORM 500 R-3-Z 10/07/21							

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Amerceder Project Manager: Andrew Parker Address: On File City: State: Zip: Phone #: Fax #: Project #: 20020424-1800-Prodops Project Owner: Project Name: Project Location: Herkimer BOF Fed #214 Sampler Name: Jesus Palomares FOR LAB USE ONLY				P.O. #: Company: Amerceder Attn: Address: Apatuca@ City: Amerceder.com State: Zip: Phone #: Fax #:				BILL TO				ANALYSIS REQUEST			
Lab I.D. H20056		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV. SAMPLING		DATE TIME		Chloride TPH (GRO+DRO+MRO) Benzene, BTEX					
21	W-02	2-4 ft													
22	W-02	4.5 ft													
23	W-03	0-2 ft													
24	W-03	2-4 ft													
25	W-04	0-1 ft													
26	W-05	0-2 ft													
27	W-06	0-1 ft													
28	W-07	0-2 ft													
29	W-08	0-2 ft													
30	W-08	2-4 ft													

PLEASE NOTE: Liability and Damages. Cardholder's liability and client's exclusive remedy for any claim arising from this contract or tort, shall be limited to the amount paid by the client for the analyses. 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 service. In no event shall Cardholder 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 services hereunder by Cardholder, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Reinquinished By: Am Palm Date: 05-15-2002 Time: 15:31 Received By: Medication Date: Time: Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
--	--	--	--

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 10.46 Corrected Temp. °C 5.92 Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: (Initials) SR	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C
--	--	---



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Ameeder</u> Project Manager: <u>Andrew Pader</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>2022-0929-1800-pedops</u> Project Owner: _____ Project Name: _____ Project Location: <u>Herdimer BAF Fed #11H</u> Sampler Name: <u>Jesus Palomares</u>				BILL TO P.O. #: _____ Company: <u>Ameeder</u> Attn: _____ Address: <u>Ameeder @</u> City: <u>Ameeder.com</u> State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST											
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : _____				PRESERV. ACID/BASE: ICE / COOL OTHER : _____				SAMPLING DATE TIME				Chloride TPH (GRO+ DRO-MRO) Benzene, BTEX			
Lab I.D. <u>H922056</u> Sample I.D. <u>W-09 8-14</u> <u>W-10 8-14</u> <u>W-11 8-14</u>				(G)RAB OR (C)OMP. <u>G-1</u> # CONTAINERS <u>1</u>				<u>05-19-2022</u> <u>11:25</u> <u>11:30</u> <u>11:35</u>				<u>✓</u> <u>✓</u> <u>✓</u>							
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 the client for the analyses. 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																			
Relinquished By: <u>[Signature]</u> Relinquished By: <u>[Signature]</u>				Date: <u>05-19-2022</u> Time: <u>15:31</u> Date: _____ Time: _____ Received By: <u>[Signature]</u>				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____											
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Observed Temp. °C: <u>10.40</u> Corrected Temp. °C: <u>5.92</u>				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>				CHECKED BY: <u>[Signature]</u> Turnaround Time: _____ Thermometer ID #113 Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Correction Factor -0.5°C Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____							

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

May 27, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: HERKIMER BQF FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 15:27.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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:	05/20/2022	Sampling Date:	05/20/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	HERKIMER BQF FED #1H	Sampling Condition:	Cool & Intact
Project Number:	20220429-1200-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B - 07 2.25' HERK (H222171-01)

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	05/26/2022	ND	2.01	101	2.00	0.885	
Toluene*	<0.050	0.050	05/26/2022	ND	2.08	104	2.00	2.13	
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.99	99.6	2.00	1.33	
Total Xylenes*	<0.150	0.150	05/26/2022	ND	5.95	99.2	6.00	1.20	
Total BTEX	<0.300	0.300	05/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/26/2022	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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Amerceder</u> Project Manager: <u>Andrew Parker</u> Address: <u>On File</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>20200424-100-Palops</u> Project Owner: _____ Project Name: <u>Hedkimer BQF Fed #21H</u> Project Location: _____ Sampler Name: <u>Jesse Palomas</u> <small>FOR LAB USE ONLY</small>				BILL TO P.O. #: _____ Company: <u>Amerceder</u> Attn: <u>A Parker@</u> Address: <u>Amerceder.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST			
Lab I.D. <u>H222171</u> <u>1 B-07 2254 HERK</u>		Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX DATE TIME		DATE TIME		Chloride T.PH (GRU+DRO+MRO) Benzene, BTEX			
Relinquished By: <u>[Signature]</u> Relinquished Date: <u>05-20-2022</u> Time: <u>1527</u> Date: _____ Received By: <u>[Signature]</u> Received Date: _____ Time: _____		Observed Temp. °C <u>8.1</u> Corrected Temp. °C <u>4.6</u> Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> CHECKED BY: <u>[Signature]</u> (Initials)		Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:		Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C Corrected Temp. °C			

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



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

May 27, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: HERKIMER BQF FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 15:27.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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:	05/20/2022	Sampling Date:	05/20/2022
Reported:	05/27/2022	Sampling Type:	Soil
Project Name:	HERKIMER BQF FED #1H	Sampling Condition:	Cool & Intact
Project Number:	20220429-1200-PRODOPS	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B - 06 1.25' HERK (H222172-01)

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	05/26/2022	ND	2.01	101	2.00	0.885		
Toluene*	<0.050	0.050	05/26/2022	ND	2.08	104	2.00	2.13		
Ethylbenzene*	<0.050	0.050	05/26/2022	ND	1.99	99.6	2.00	1.33		
Total Xylenes*	<0.150	0.150	05/26/2022	ND	5.95	99.2	6.00	1.20		
Total BTEX	<0.300	0.300	05/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/26/2022	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	05/26/2022	ND	197	98.6	200	6.84	
DRO >C10-C28*	<10.0	10.0	05/26/2022	ND	187	93.5	200	2.54	
EXT DRO >C28-C36	<10.0	10.0	05/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

Page 4 of 4



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

June 13, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: HERKIMER BQF FED #1H

Enclosed are the results of analyses for samples received by the laboratory on 06/08/22 14:00.

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/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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: 06/08/2022
 Reported: 06/13/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 06/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Yvonne Muniz

Sample ID: TS BACK FILL (H222445-01)

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	06/10/2022	ND	2.02	101	2.00	2.67	
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/09/2022	ND	432	108	400	0.00		

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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/08/2022
 Reported: 06/13/2022
 Project Name: HERKIMER BQF FED #1H
 Project Number: 20220429-1200-PRODOPS
 Project Location: NONE GIVEN

Sampling Date: 06/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Yvonne Muniz

Sample ID: CALICHE BACK FILL (H222445-02)

BTX 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	06/10/2022	ND	2.02	101	2.00	2.67		
Toluene*	<0.050	0.050	06/10/2022	ND	2.03	101	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	1.90	94.8	2.00	3.00		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	5.92	98.7	6.00	2.76		
Total BTX	<0.300	0.300	06/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/09/2022	ND	432	108	400	0.00		

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	06/09/2022	ND	181	90.3	200	3.11	
DRO >C10-C28*	<10.0	10.0	06/09/2022	ND	193	96.4	200	0.552	
EXT DRO >C28-C36	<10.0	10.0	06/09/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:

Amerede

Project Manager:

Andrew Parker

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project #:

Project Owner:

Project Name: 20220429-1200-Park

Project Location:

Herkinser BAF Fed #11

Sampler Name:

SHAGB SHERZ

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

BILL TO

P.O. #: 20220429-1200-Park

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Analysis
H722445	1 TS Backfill	C	1	GROUNDWATER			6/7/92	11:00am	Chloride
	2 Caliche Backfill	C	1	WASTEWATER			6/7/92	9:30am	TPH (GRO + DRO + MRO)
				SOIL					Benzene, BTEX
				OIL					
				SLUDGE					
				OTHER :					
				ACID/BASE:					
				ICE / COOL					
				OTHER :					

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Relinquished By:

SHAGB SHERZ

Date: 6/7/92

Received By:

Time: 11:00am

Jesus Palomares

Relinquished By:

Jesus Palomares

Date: 6-8-92

Received By:

Time: 1:40pm

Jesus Palomares

Delivered By: (Circle One)

Observed Temp. °C

S.9

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

Corrected Temp. °C

S.4

Cool Intact

Bacteria (only) Sample Condition

Turnaround Time:

Standard

Bacteria (only)

Cool Intact

Observed Temp. °C

Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

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

CONDITIONS

Action 187343

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 187343
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/1/2023