Site Assessment Report, Alternative Sampling Plan & Proposed Remediation Workplan

3R Operating, LLC
Bandit State SWD #001/Saragossa 10 State Com
Eddy County, New Mexico
Unit Letter F, Section 10, Township 23 South, Range 26 East
Latitude 32.32091 North, Longitude 104.28336 West
NMOCD Reference Nos.
nJMW1217334502, nAB1921736522, nAB1922139305, nAPP2319437518, nAPP2320640601

Prepared By:

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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of 3R Operating, LLC, has prepared this *Site Assessment Report, Alternative Sampling Plan & Proposed Remediation Workplan* for the reportable releases site at the Bandit State SWD #001/Saragossa 10 State Com (henceforth, "Site"). Between June 5, 2012 and July 23, 2023, there have been five (5) reporatble release at the Site. Three (3) of the release occured under the former operator; however, they were not remediated prior to the change of ownership. The releases will be remediated concurrently. Details of the release are summarized below:

Location of Release Source

Latitude: 32.32091 Longitude: -104.28336

Provided GPS are in WGS84 format.

Site Name:	Saragossa 10 State Tank Battery	Site Type:	Tank Battery
Date Release Discovered:	6/6/2012	API # (if applicable):	30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[X] Other (describe) Produced Oil	Volume/Weight Released ~140	Volume/Weight Recovered 10

Cause of Release:
Pumper started the circulating pump at the facility. A hole developed in the circulating line after the pumper left the location. The bermed area was filled with produced oil which broke over the top of the berm. Remediation action involved.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Location of Release Source

Latitude: 32.32091 Longitude: -104.28336

Provided GPS are in WGS84 format.

Site Name:	Bandit State #1 SWD	Site Type:	SWD
Date Release Discovered:	7/16/2019	API # (if applicable):	30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 100	Volume Recovered (bbls) unknown
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume Released (bbls)	Volume/Weight Recovered

Cause of Release:
There was a hole in the discharge line.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Location of Release Source

Latitude: 32.32091 Longitude: -104.28333

Provided GPS are in WGS84 format.

Site Name:	Bandit State #1 SWD	Site Type:	SWD well
Date Release Discovered:	7/27/2019	API # (if applicable):	30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls) unknown
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe) Produced Oil	Volume Released (bbls)	Volume/Weight Recovered

Cause of Release:
One of the fitting valves had a leak.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Location of Release Source

Latitude: 32.32091 Longitude: -104.2832

Provided GPS are in WGS84 format.

Site Name:	Bandit State #1 SWD	Site Type:	SWD
Date Release Discovered:	7/7/2023	API # (if applicable):	30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls) 50
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume Released (bbls)	Volume/Weight Recovered

Cause of Release:
Equipment Failure; Fitting

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Location of Release Source

Latitude: 32.32555 Longitude: -104.27993

Provided GPS are in WGS84 format.

Site Name:	Saragossa 10 State Com	Site Type:	SWD
Date Release Discovered:	7/23/2023	API # (if applicable):	30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy

Surface Owner: [X] State [ ] Federal [ ] Tribal [ ] Private (Name _____)

Nature and Volume of Release

[ ] Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
[X] Produced Water	Volume Released (bbls) 220	Volume Recovered (bbls) 70
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	[X] Yes [ ] No [ ] N/A
[ ] Condensate	Volume Released (bbls)	Volume Recovered (bbls)
[ ] Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
[ ] Other (describe)	Volume Released (bbls)	Volume/Weight Recovered

Cause of Release:
Water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. Everything stayed within the berm, repairs were to be made to the tank.

Initial Response

- [X] The source of the release has been stopped.
- [X] The impacted area has been secured to protect human health and the environment.
- [X] Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- [X] All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the Release Notification and Correction Action Form (Form C-141) are available on the NMOCD Permitting System.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined by gauging a nearby well, along with data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

On April 23, 2024, Southwest Geophysical Consulting, LLC (SGC), conducted a pedestrian karst survey in an effort to determine if any karst features were present within 200 feet of the Site. During the pedestrian karst survey the nearest karst feature was approximately 0.48 miles east-northeast of the Site. The karst feature was described as an approximate 1.2-meter-diameter suffusion sinkhole, approximately 50 centimeters deep. In addition, SGC completed a karst desk study reviewing available satellite and aerial imagery, the Southwest Geophysical Cave and Karst Database, and geological maps. Based on the results of the pedestrian karst survey and associated desk study, it was determined that the Site was not overlying an unstable area. A copy of the "Cave and Karst Resource Inventory Report" is provided as Appendix E.

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

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2a and 2b.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
> 100 Feet	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

4.0 BACKGROUND INFORMATION

Review of available environmental records suggests that there were three (3) open reportable releases at the Bandit State SWD #001 prior to 3R assuming ownership of the facility. The first reportable release occurred on June 6, 2012. Review of the Initial Form C-141 indicated that failure of a circulating line resulted in the release of approximately 140 bbls of produced oil. During initial response activities,, the circulating line was repaired and approximately 10 bbls of produced oil were recovered. Copies of the Initial Form C-141s are provided in Appendix F.

The second reportable release occurred on July 16, 2019. Review of the Initial Form C-141 indicated that a hole in the discharge line resulted in the release of approximately 100 bbls of produced water. During initial response activities, the circulating line was repaired, and an unknown volume of produced water was recovered.

The third reportable release occurred on July 27, 2019. Review of the Initial Form C-141 indicated that a leak in one of the fitting valves resulted in the release of approximately 75 bbls of produced water. During initial response activities, the circulating line was repaired, and an unknown volume of produced water was recovered.

Based on a review of available information, initial response activities were conducted for each of the reported releases, including but not limited to eliminating the source, recovering free-standing fluids and repairing the failed equipment. It is unclear whether remediation activities were conducted, as environmental records are incomplete, and the incidents remain open within the NMOCD database.

On March 22, 2023, an alternative environmental contractor conducted an electromagnetic survey at the Bandit State SWD #1 in an effort to determine if soil impacts were present at the Site and to characterize their extent. During the electromagnetic survey, a Geonics Ltd. EM-38 ground conductivity meter was utilized to map variations in the ground conductivity and identify anomalously conductive soils. Based on a review of the electromagnetic survey data, it was determined that the greatest variations in the ground conductivity were proximate to the central portion of the historical drilling reserve pit.

On or around June 15, 2023, 3R became the operator of record. On July 7 and 23, 2023, 3R had reportable releases at the Site. Each of the releases were reported to the NMOCD within 24 hours, as necessary. Details from the Notice of Release (NOR) indicated that the first reported release was attributed to the failure of a fitting, resulting in the release of approximately 75 bbls of produced water. During initial response activities, approximately 50 bbls of produced water were recovered utilizing a vacuum

The second reported release occurred on July 23, 2023. Details from the NOR indicated that the first reported release was attributed to a water hauler driving off with his hose still connected, breaking the drain valve and resulting in the release of approximately 220 bbls of produced water. During initial response activities, approximately 70 bbls of produced water were recovered utilizing a vacuum truck.

Between September 20 and September 23, 2023, the environmental contractor revisited the Site in an effort to further characterize soil impacts. During the Site visit, a direct push drilling rig was utilized to advance six (6) soil borings within the inferred affected area. During the advancement of the soil borings, soil samples were collected at select intervals and field screened for the presence of Volatile Organic Compounds and chloride. Based on field test results, chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples, with the exception of soil sample DPT-1-’ which exhibited a field concentration of 20,144 mg/kg. Field soil sample DPT5-0-2’ suggested chloride concentrations exceeded the applicable NMOCD Reclamation Standard in the “off pad” area characterized by sample point DPT5. Copies of the field notes and "Soil Profile Logs" are provided in Appendix B.

Between September 23, 2023, and March 4, 2024, limited remediation activities were conducted at the Site by an alternative environmental contractor. Impacted material affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards on the caliche well pad was excavated and transported to an NMOCD-approved surface waste facility for disposal. The floor of the excavated area was advanced to an approximate depth of 4 ft. bgs. The excavation sidewalls were advanced toward the east until a caliche oilfield access road was encountered, toward the north until the historic drilling reserve pit was encountered, and toward the west until the active tank battery facility was encountered. A Photographic Log is provided in Appendix D.

On June 5, 2024, 3R submitted a *Remediation Work Plan* (*Workplan*) detailing field activities conducted to date, including data collected during the electromagnetic survey, soil investigation, *Cave and Karst Resource Inventory* and groundwater gauging. The *Workplan* detailed the removal of approximately 5,756 cubic yards (cy) of impacted material from the Site and proposed the removal of an additional 1,500 to 2,000 cy of impacted material affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards from the "off pad" area east of the caliche access road. The *Workplan* was subsequently denied on the basis that it lacked necessary site and sample location maps and that the Site didn't appear to be fully delineated. Copies of the previously submitted reports are provided in Appendix F.

On July 6, 2024, the Site was revisited. During the Site visit, a direct push rig was utilized to advance soil borings in the areas characterized by field test results from sample points DPT1, DPT2, DPT3 and DPT6. During the advancement of the soil borings, soils samples were collected from 4 to 6 ft. bgs and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated soil was not affected above the NMOCD Closure Criteria Standard for BTEX, TPH or chloride beyond 4 ft. bgs in any of the investigated areas.

On July 3, 2024, a second *Workplan* was submitted to the NMOCD in an effort to address deficiencies identified in the previous *Workplan*. The second *Workplan* included additional maps along with laboratory analytical data from additional delineation soil samples and chloride field test results from sidewall samples collected by a subcontractor. The *Workplan* indicated that 3R would continue excavating and transporting impacted material to an NMOCD-approved surface waste facility and that a deferral request would be submitted with the closure report upon completion. The second *Workplan* does not appear to have been approved.

Between July 22 and August 22, 2024, a total of163 excavation confirmation soil samples were collected at the Site. In addition, four (4) soil samples were collected from the area characterized by the historic drilling reserve pit. Two (2) of the soil samples were collected from the southern portion of the pit, documenting its presence north of the former environmental excavation, along with two (2) additional samples on the north side of the historic drilling reserve pit characterizing its horizontal extent. Upon receiving laboratory analytical results from excavation confirmation soil samples, the excavated areas were backfilled with locally sourced, non-impacted "like" material. Excavation backfill was contoured and compacted to achieve erosion control and meet the needs of the facility to the extent practicable. During the course of remediation activities, approximately 7,216 cy of impacted material was excavated and transported to an NMOCD-approved surface waste facility. A "Soil Chemistry Table" is provided as Table 1. A "Site and Sample Location Map" is provided as Figure 3. Laboratory analytical reports are provided in Appendix C.

On December 5, 2024, 3R submitted a *Remediation Closure Report* (*Closure Report*) to the NMOCD detailing remediation activities and laboratory analytical results from excavation confirmation and delineation soil samples. The *Closure Report* was subsequently denied on the basis that the removal of a portion of the impacted material affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards remaining in-situ would not result in a major facility deconstruction, areas proposed for deferral were not adequately characterized or delineated, an insufficient number of confirmation soil samples were collected and a portion of the soil samples were analyzed outside of hold time, among other things. A "Site Diagram and Proposed Deferral Map" is provided as Figure 4.

On February 12, 2025, representatives of the NMOCD, NMSLO, 3R and Etech met to discuss the Site. During the meeting, existing data and field activities conducted to date were discussed, along with future remediation activities that would be required to bring the Site into regulatory compliance.

5.0 PROPOSED REMEDIATION PLAN

Based on a review of existing environmental records, field activities conducted to date and discussions during the February 12, 2025, meeting, Etech, on behalf of 3R, proposes the following activities designed to bring the Site into regulatory compliance:

General

•Submit an electronic sampling notification, post-dated, to include each of the previous confirmation soil sampling events. Additional electronic sampling notifications will be submitted to address future confirmation soil sampling, as necessary.

Facility

• Excavate impacted material affected above the NMOCD Closure Criteria remaining in-situ proximate to the buried and above ground utilities at the active facility.

° The floor and sidewalls of the excavated areas will be advanced until laboratory analytical results indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria.

Non-Facility

• Excavate impacted material affected above the NMOCD Reclamation Standards in the area formerly proposed for deferral proximate to the caliche access road characterized by soil samples SW 12 and SW 11.

° The floor and sidewalls of the excavated area will be advanced until laboratory analytical results from excavation confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standards.

• Collect confirmation sidewall soil samples in the areas characterized by apparent data gaps, including but not limited to the area east of SW4 in the southern portion of the Site and from the sub excavation in the northeast portion of the Site.

Active Tank Battery

• Excavate impacted material affected above the NMOCD Closure Criteria within the active tank battery containment to the maximum extent practicable. Etech maintains that complete removal of impacted material affected above the NMOCD Closure Criteria poses a risk to human health, safety and the environment and would require a major facility deconstruction.

• Upon excavating impacted material to the maximum extent practicable, advance three (3) to four (4) deferral characterization trenches within the tank battery containment area. During the advancement of the deferral characterization trenches, soil samples will be collected in an effort characterize impacts remaining in-situ along with the vertical extent of impact, as necessary.

• In addition, horizontally delineate the proposed deferral area toward the north and west by collecting a series of delineation soil samples in an effort to determine the horizontal extent of impacts remaining in-situ.

° In the event impacted material affected above the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standards is encountered on the west side of the active tank battery facility, it will be excavated and sampled, as necessary.

Historic Reserve Pit

• Advance a vertical delineation trench in the central portion of the historical drilling reserve pit. The trench will be advanced until laboratory analytical results from delineation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria.

• Extend the formerly accepted facility boundaries toward the north, over the southern portion of the historical drilling reserve pit, to include the active flare, associated containment, natural gas meter run and electrical utilities.

° The expanded facility boundaries will include improvements to the northern portion of the caliche pad to ensure access to the flare and meter run during inclement weather, along with the installation of a firewall in an effort to mitigate off-site contamination.

° It is understood that eventual reclamation activities will include the removal and replacement of impacted material affected above the NMOCD Reclamation Standards present within the uppermost four (4) ft., as necessary.

• Upon expanding the facility boundaries to include the active flare, associated containment, meter run and electrical utilities, conduct a soil investigation of adjacent non-facility areas in an effort to determine if impacted soil affected above the NMOCD Reclamation Standard and/or the NMOCD Closure Criteria is present.

° In the event impacted material affected above the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standards is encountered on the west side of the active tank battery facility it will be excavated and sampled, as necessary.

6.0 ALTERNATIVE SAMPLING PLAN

Based on abundance of soil investigation data, the size of the affected area and field activities conducted to date, Etech, on behalf of 3R, requests permission to adjust excavation confirmation sampling requirements from the collection of soil samples representing every 200 square feet to the collection of soil samples representing no more than 400 square feet.

In addition, it was noted that approximately 60 soil samples (SP1 through SP60) collected primarily in the eastern portion of the Site were analyzed out of hold time for BTEX and TPH however, the soil samples were well within acceptable hold times for chloride. Given the absence of BTEX and TPH constituents in a majority of the soil samples, Etech, on behalf of 3R, requests

permission to collect approximately seven (7) equally spaced, representative composite soil samples from the areas characterized by soil samples SP1 thought SP7 for BTEX and TPH analysis. In the event that BTEX and/or TPH are encountered above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards, the affected area will be further investigated, excavated and sampled, as necessary.

7.0 DEFERRAL REQUEST

Remediation activities will be conducted in accordance with applicable NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards remaining in-situ will be excavated to the extent practicable and transported to an NMOCD-approved facility for disposal. The floor and sidewalls of the excavated areas will be advanced until in-situ concentrations of BTEX, TPH and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Impacted soil affected above the NMOCD Closure Criteria remaining in-situ in the proposed deferral areas will be characterized, delineated and remediated upon decommissioning and abandonment of the facility, in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.

Etech maintains complete removal of impacted material affected above the NMOCD Closure Criteria poses a risk to human health, safety and the environment and would result in a major facility deconstruction.

8.0 TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed within ninety (90) days of receiving necessary approval(s) of the *Site Assessment Summary and Proposed Remediation Plan*. Based on laboratory analytical results, site characteristics, and field observations made during the initial site visit, it is estimated that approximately 3,020 cy of impacted soil is in need of removal. Approximately 7,216 cy of impacted material has already been excavated and transported off-site.

9.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of

10.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Site Assessment Report, Alternative Sampling Plan & Proposed Remediation Workplan* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of 3R Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or 3R Operating, LLC.

11.0 DISTRIBUTION

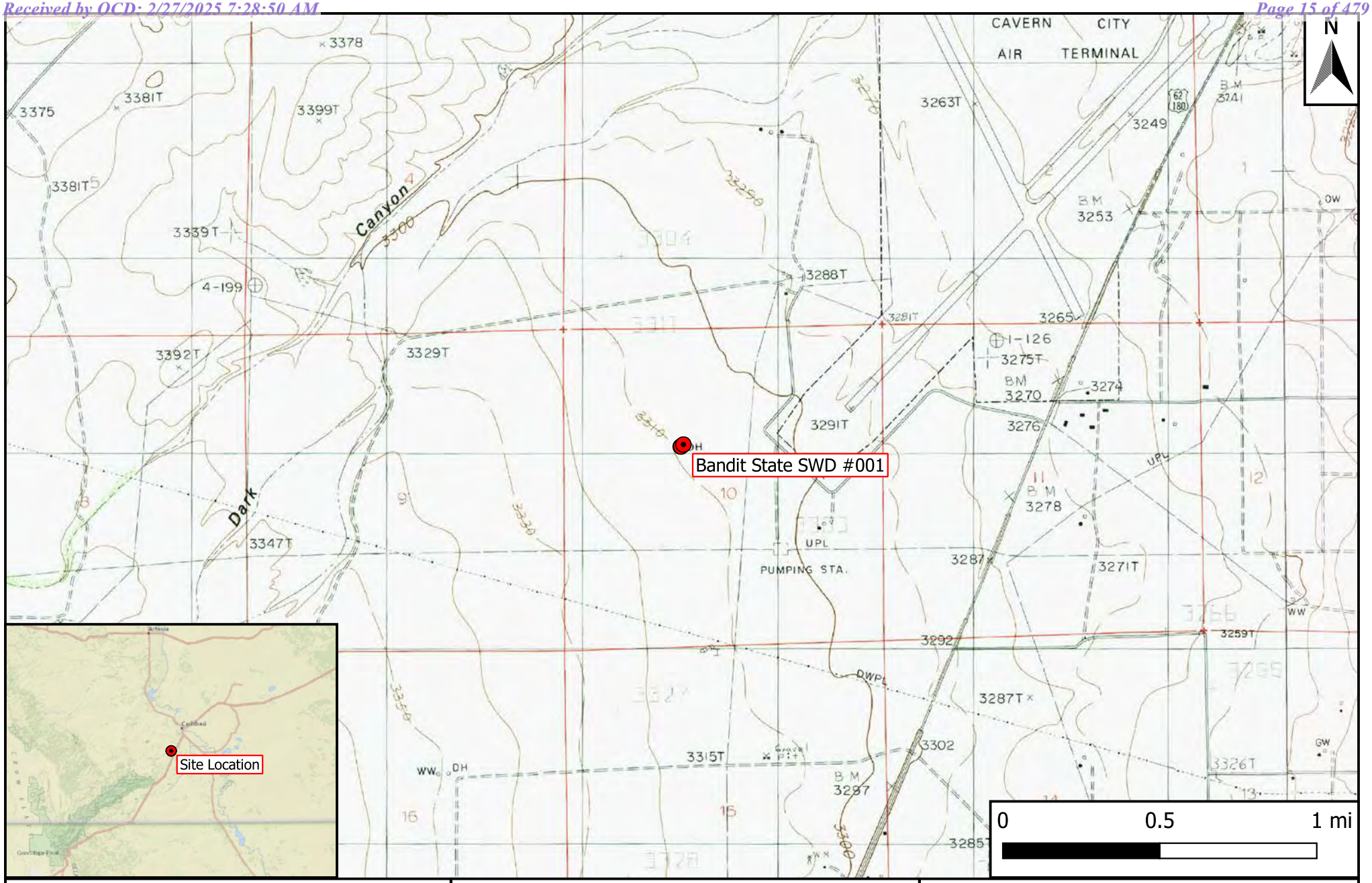
3R Operating, LLC
20405 State Highway 249
Ste 820
Houston, TX 77070

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

New Mexico State Land Office
Environmental Compliance Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

(Electronic Submission)

Figure 1
Topographic Map



Legend

- Site Location

Figure 1
Site Location Map
3 R Operating
Bandit-Saragossa Projects
GPS: 32.32091, -104.28336
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: rlc Date: 2025-02-24

Figures 2a & 2b
Site Characterization Maps

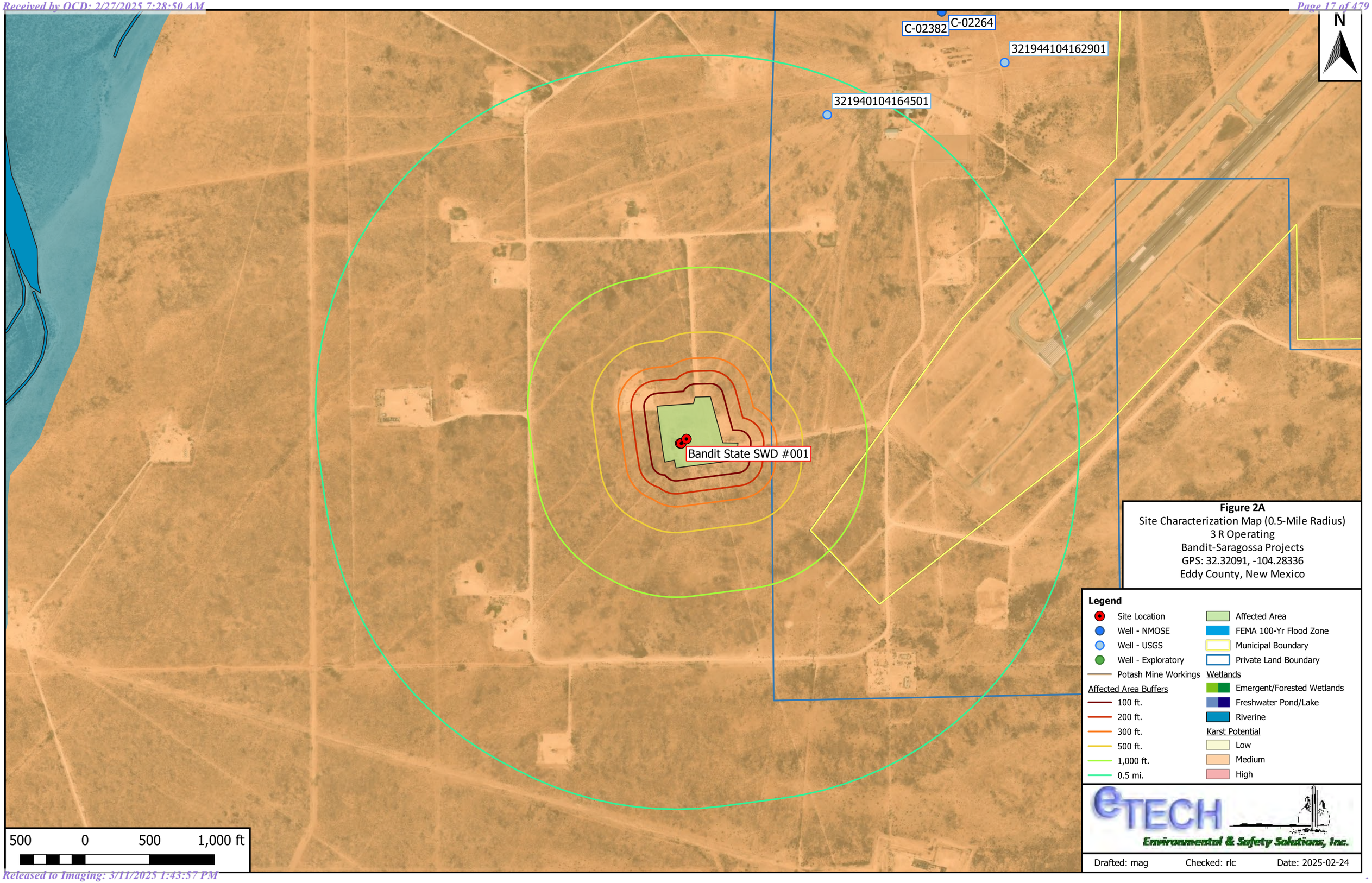


Figure 2A
Site Characterization Map (0.5-Mile Radius)
3 R Operating
Bandit-Saragossa Projects
GPS: 32.32091, -104.28336
Eddy County, New Mexico

Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Exploratory
- Potash Mine Workings

Affected Area Buffers
- 100 ft.
- 200 ft.
- 300 ft.
- 500 ft.
- 1,000 ft.
- 0.5 mi.

- Affected Area
- FEMA 100-Yr Flood Zone
- Municipal Boundary
- Private Land Boundary

Wetlands
- Emergent/Forested Wetlands
- Freshwater Pond/Lake
- Riverine

Karst Potential
- Low
- Medium
- High

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: rlc Date: 2025-02-24

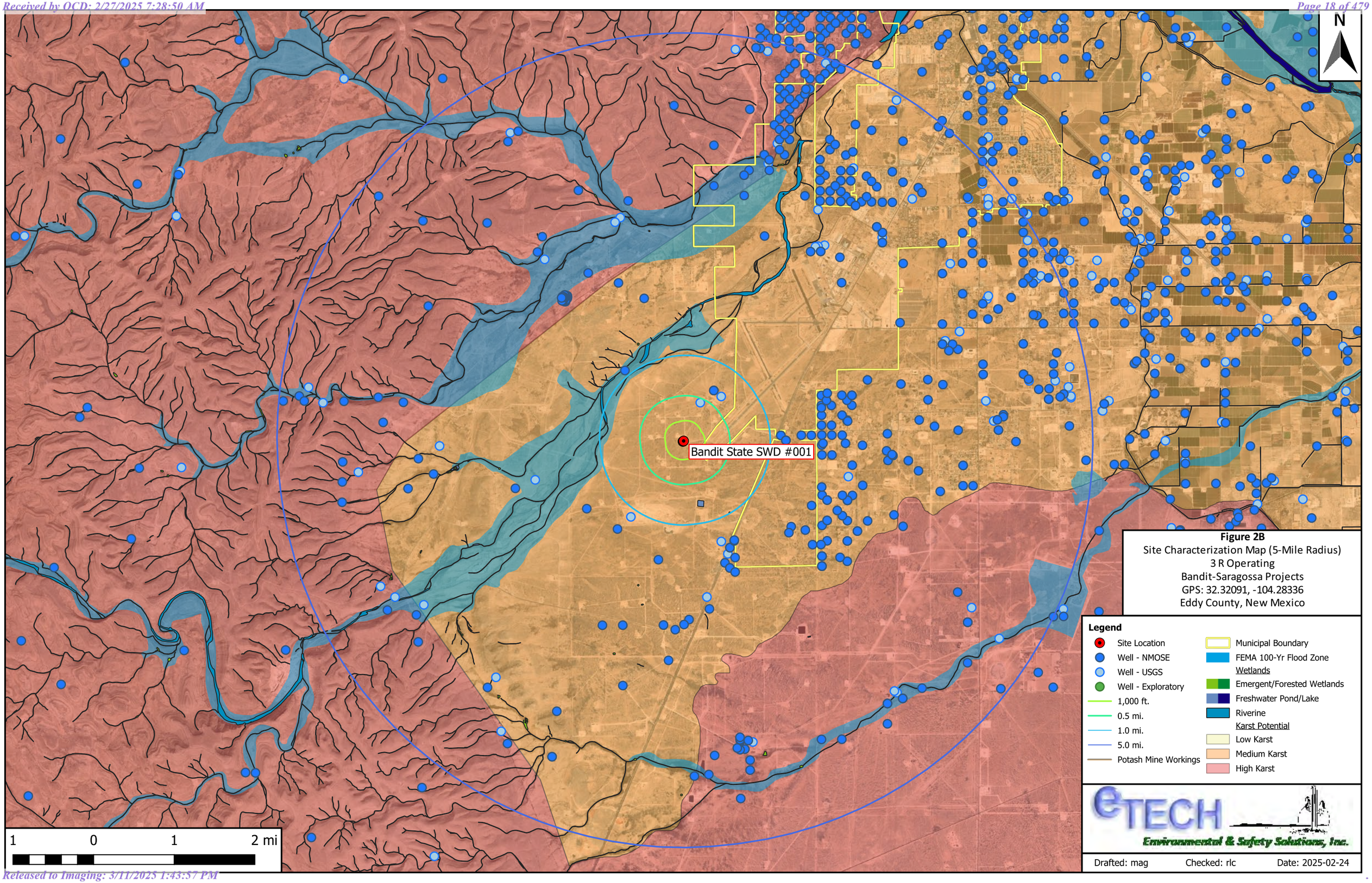
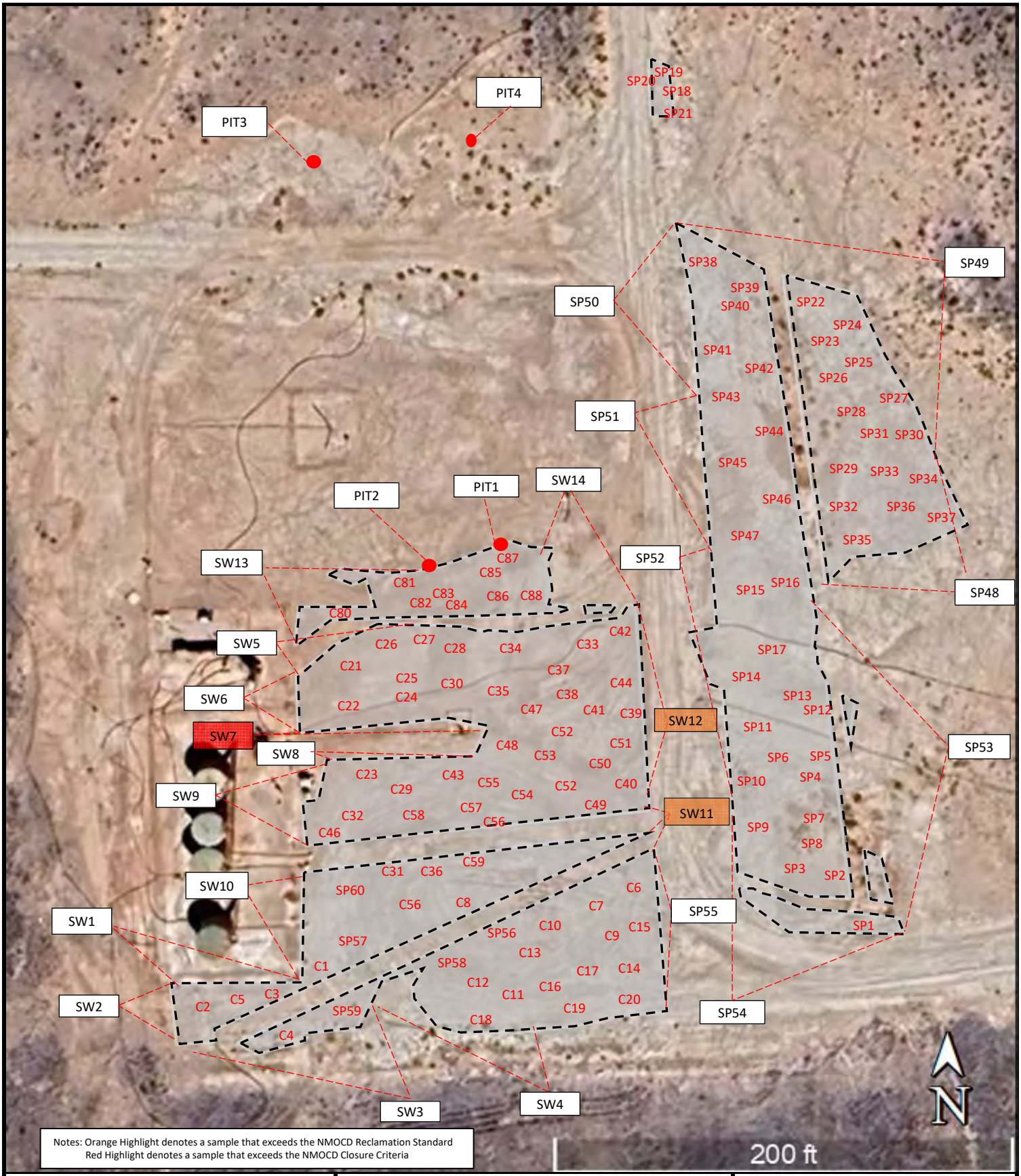


Figure 2B
Site Characterization Map (5-Mile Radius)
3 R Operating
Bandit-Saragossa Projects
GPS: 32.32091, -104.28336
Eddy County, New Mexico

Figure 3
Site and Sample Location Map



Notes: Orange Highlight denotes a sample that exceeds the NMOCD Reclamation Standard
Red Highlight denotes a sample that exceeds the NMOCD Closure Criteria

Legend:

- Sample Point
- Excavated Area
- C56 Confirmation Sample Location

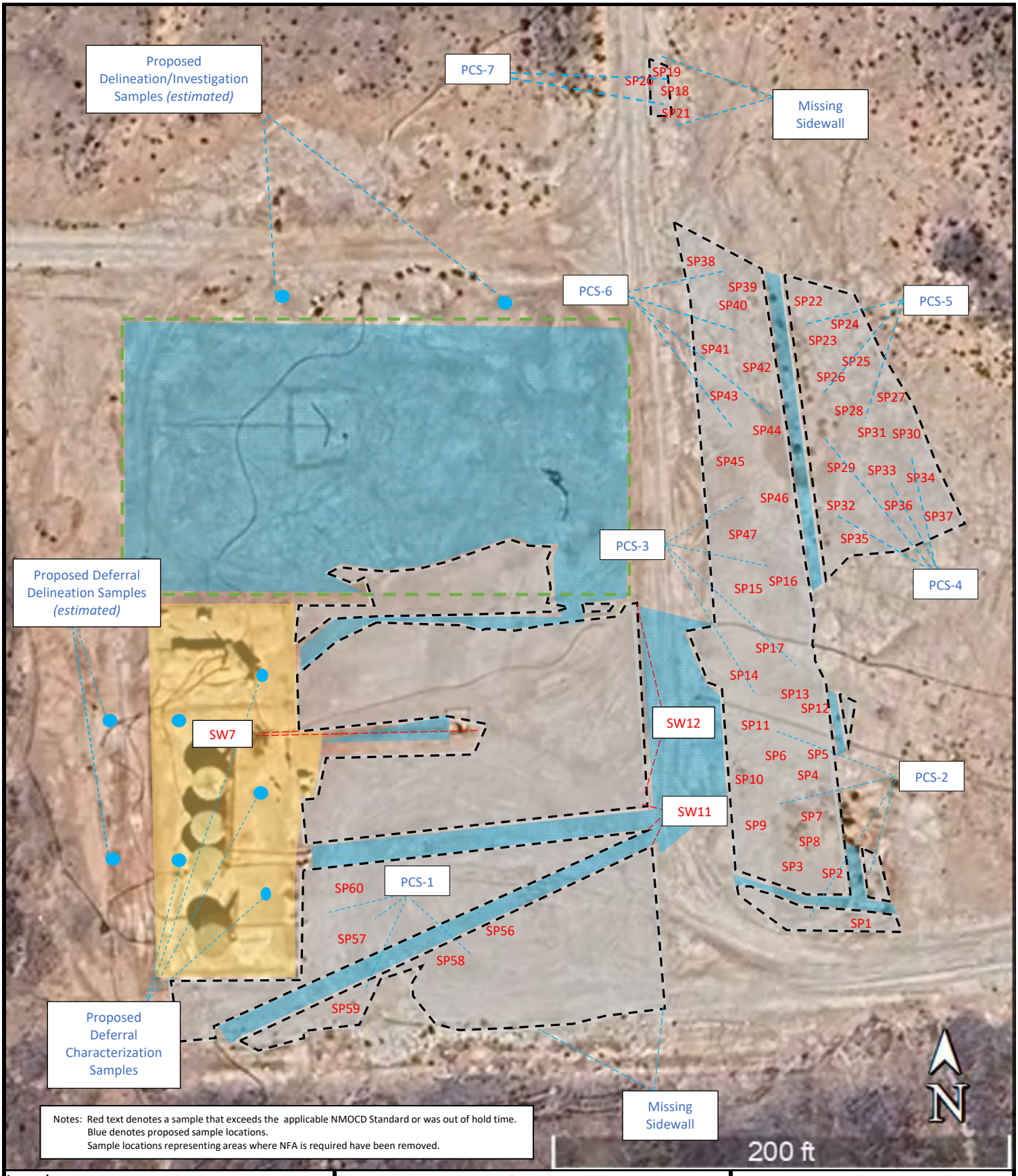
Figure 3

Site and Sample Location Map
3R Operating, LLC
Bandit State SWD #001
GPS: 32.32091, -104.28336
Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: jwl
Checked: bja Date: 2/24/25

Figure 4
Site Diagram and Proposed Deferral Map



Notes: Red text denotes a sample that exceeds the applicable NMOCD Standard or was out of hold time.
Blue denotes proposed sample locations.
Sample locations representing areas where NFA is required have been removed.

Legend:

- Excavated Area
- Proposed Sample Point
- Proposed Deferral Area
- Expanded Facility Boundary
- Anticipated Excavation

Figure 4

Site Diagram and Proposed Deferral Map

3R Operating, LLC

Bandit State SWD #001

GPS: 32.32091, -104.28336

Eddy County

eTECH Environmental & Safety Solutions, Inc.

Drafted: jwl

Checked: bja Date: 2/24/25

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
3 R Operating
Bandit State SWD #001
NMOCD Ref. #: nAB1921736522

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
DPT1-4’	6/6/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	582
DPT2-6’	6/6/2024	6	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
DPT3-4’	6/6/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	299
DPT5-5’	6/6/2024	5	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	606
DPT6 4’	6/6/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	4,690
BH1-4.5’	6/6/2024	5	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,100
BH2-4.5’	6/6/2024	5	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	38.9
BH3-4.5’	6/6/2024	5	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,040
BH5-2’	6/6/2024	2	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	4,860
BH5-3’	6/6/2024	3	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	3,580
BH6-2’	6/6/2024	2	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	166
BH6-3’	6/6/2024	3	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	45.4
BH7-2’	6/6/2024	2	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	1,190
BH7-3’	6/6/2024	3	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	721
BH8-2’	6/6/2024	2	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	1,640
BH8-3’	6/6/2024	3	Excavated	<0.100	<0.100	<20	<25	<45	<50	<100	1,700
SW1	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	10,500
SW2	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	113
SW3	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	187
SW4	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	107
SW5	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	25.0	25.0	<50	<100	13,200
SW6	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	29.9	29.9	<50	<100	18,100
SW7	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	76.7	76.7	74.1	150.8	**25,200**
SW8	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	210	210	267	477	6,020
SW9	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	834	834	301	1,135	11,100
SW10	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	39.9	39.9	<50	<100	479
SW11	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	52.2	52.2	68.1	**120**	**3,320**
SW12	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	53.6	53.6	<50	<100	**5,480**
SW13	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	148	148	115	263	11,000
SW14	7/22/2024	0-4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	14,600
PIT 1	7/22/2024	0	Pit Surface	<0.100	<0.100	<20	<25	<45	<50	<100	6,560
PIT 2	7/22/2024	0	Pit Surface	<0.100	<0.100	<20	95.8	95.8	<50	<100	17,400
PIT 3	7/22/2024	0	Pit Surface	<0.100	<0.100	<20	<25	<45	<50	<100	43.6
PIT 4	7/22/2024	0	Pit Surface	<0.100	<0.100	<20	<25	<45	<50	<100	22.2
C1	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,890
C2	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	34.7
C3	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	351
C4	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	371
C5	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	240
C6	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	846
C7	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	63.2

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
3 R Operating
Bandit State SWD #001
NMOCD Ref. #: nAB1921736522

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
C8	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	109
C9	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	92.8
C10	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	321
C11	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	251
C12	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	35.3
C13	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	51.6
C14	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	300
C15	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	21.0
C16	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
C17	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	154
C18	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	123
C19	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	391
C20	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	684
C21	7/22/2024	4	In-Situ	<0.100	<0.100	<20	46.3	46.3	54.9	101.2	3,830
C22	7/22/2024	4	In-Situ	<0.100	<0.100	<20	25.0	25.0	<50	<100	4,340
C23	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,390
C24	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,450
C25	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	5,830
C26	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	12,700
C27	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,190
C28	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	6,830
C29	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,280
C30	7/22/2024	4	In-Situ	<0.100	<0.100	<20	32.7	32.7	<50	<100	9,120
C31	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	4,170
C32	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,530
C33	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	4,870
C34	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	738
C35	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,930
C36	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,530
C37	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	277
C38	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,380
C39	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,220
C40	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	603
C41	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,620
C42	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	49.7
C43	7/22/2024	4	In-Situ	<0.100	<0.100	<20	68.6	68.6	<50	<100	2,950
C44	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,920
C45	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,740
C46	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	887
C47	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	829
C48	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,000

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
3 R Operating
Bandit State SWD #001
NMOCD Ref. #: nAB1921736522

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
C49	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,340
C50	7/22/2024	4	In-Situ	<0.100	<0.100	<20	53.7	53.7	<50	<100	3,160
C51	7/22/2024	4	In-Situ	<0.100	<0.100	<20	28.6	28.6	<50	<100	4,160
C52	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,600
C53	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,220
C54	7/22/2024	4	In-Situ	<0.100	<0.100	<20	53.8	53.8	<50	<100	3,540
C55	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,400
C56	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	700
C57	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,320
C58	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	6,430
C59	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	587
C80	7/22/2024	4	In-Situ	<0.100	<0.100	<20	25.0	25.0	<50	<100	965
C81	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	894
C82	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	683
C83	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	9,140
C84	7/22/2024	4	In-Situ	<0.100	<0.100	<20	46.2	46.2	<50	<100	10,200
C85	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	12,200
C86	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	8,260
C87	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	14,600
C88	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	6,480
C89	7/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	7,830
SP1	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	24.7
SP2	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP3	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	26.9
SP4	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	28.0
SP5	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	316
SP6	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	288
SP7	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	135
SP8	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	25.7
SP9	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	864
SP10	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	657
SP11	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,180
SP12	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,440
SP13	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,050
SP14	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,870
SP15	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,000
SP16	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	373
SP17	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	802
SP18	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	682
SP19	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	105
SP20	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	578

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
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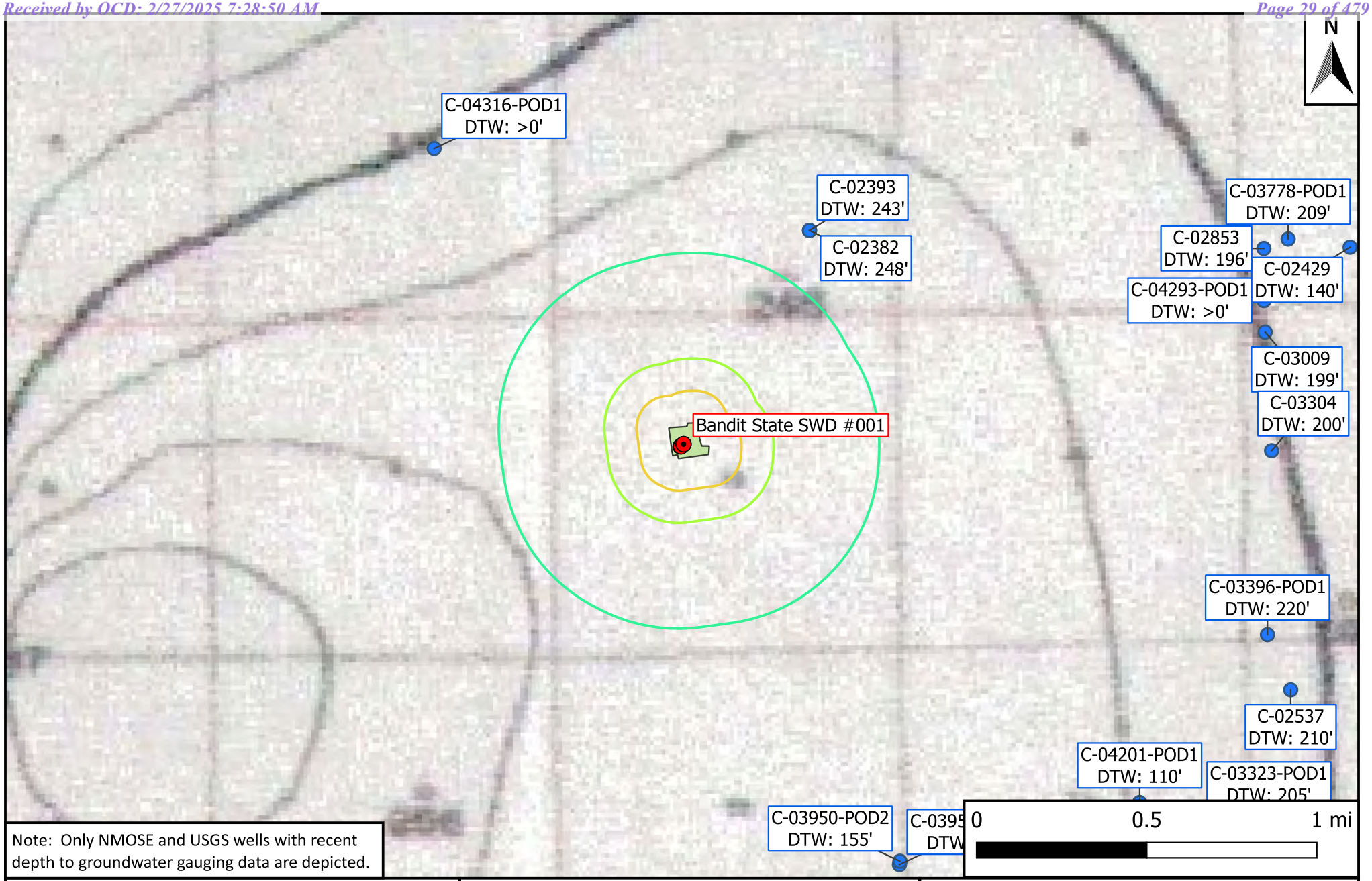
Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
3 R Operating
Bandit State SWD #001
NMOCD Ref. #: nAB1921736522

NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**20,000**
NMOCD Reclamation Standard				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**
				SW 846 8021B		**SW 846 8015M Ext.**					**4500 Cl**
Sample ID	**Date**	**Depth (Feet)**	**Soil Status**	**Benzene (mg/kg)**	**BTEX (mg/kg)**	**GRO C_6-C_{10} (mg/kg)**	**DRO C_{10}-C_{28} (mg/kg)**	**GRO + DRO C_6-C_{28} (mg/kg)**	**ORO C_{28}-C_{36} (mg/kg)**	**TPH C_6-C_{36} (mg/kg)**	**Chloride (mg/kg)**
SP21	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	376
SP22	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,340
SP23	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	793
SP24	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,080
SP25	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	711
SP26	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	902
SP27	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,770
SP28	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,900
SP29	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,040
SP30	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	260
SP31	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,210
SP32	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,470
SP33	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,750
SP34	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,530
SP35	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	247
SP36	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,360
SP37	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,340
SP38	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	325
SP39	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	3,160
SP40	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	2,770
SP41	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,700
SP42	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,900
SP43	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,090
SP44	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,360
SP45	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	425
SP46	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	820
SP47	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	1,770
SP48	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	475
SP49	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	48.0
SP50	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	46.5
SP51	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	22.8
SP52	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	21.8
SP53	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	37.3
SP54	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP55	8/22/2024	4	Sidewall	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP56	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	108
SP57	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP58	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP59	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20
SP60	8/22/2024	4	In-Situ	<0.100	<0.100	<20	<25	<45	<50	<100	<20

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
Red Border with Shading: Highest observed concentration.

Appendix A
Depth to Groundwater Information



Note: Only NMOSE and USGS wells with recent depth to groundwater gauging data are depicted.

Legend

- Active Site Locations
- Well - NMOSE
- Well - USGS
- Well - Exploratory
- Affected Area
- 500 ft.
- 1,000 ft.
- 0.5 mi.

Figure 4
Inferred Depth to Groundwater Map
3 R Operating
Bandit-Saragossa Projects
GPS: 32.32091, -104.28336
Eddy County, New Mexico

eTECH Environmental & Safety Solutions, Inc.

Drafted: mag Checked: rlc Date: 2025-02-24

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

Well Gauging

Field Date: September, 20th 2023

POD # C2393

Probe Type: Interphase

Field Book: JAW_006_046

Field Note:

C2393 was gauged by AEA staff on September, 20th 2023 ground water was found to be 243ft from Top of casing (TOC) of the known water sources within ½-mile of the location, according to the NMOSE. Livestock and Domestic wells C2393 and C2382. C2393 was the only well capable of accepting an interface probe without the pump being pulled. The measurement was taken from the North most accessible lip of the casing

Submitted by:

Atkins Engineering Associates INC

J. Austin Weyant

Austin Weyant

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02393			SE	03	23S	26E	568065.0	3577254.0 *	

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

Driller License:	461	**Driller Company:**	C & J DRILLING COMPANY		
Driller Name:	HAMMOND, J.O.				
Drill Start Date:	1994-05-17	**Drill Finish Date:**	1994-05-27	**Plug Date:**	
Log File Date:	1994-06-07	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	15
Casing Size:	7.00	**Depth Well:**	290	**Depth Water:**	245

Water Bearing Stratifications:

Top	Bottom	Description
252	261	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
240	290

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Trn
~~497275~~
465383

Section 1. GENERAL INFORMATION

(A) Owner of well Bill & Beverly Gillock Owner's Well No. _____
Street or Post Office Address 159 Gillock RD.
City and State Carlsbad, N. M. 88220

'94 JUL 29 AM 10 16
STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO

Well was drilled under Permit No. C-2393 and is located in the:

a. _____ ¼ _____ ¼ S½ ¼ SE ¼ of Section 3 Township ~~5~~ 23S Range 26E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Eddy County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461

Address Box 935 Artesia, N.M. 88210

Drilling Began 5-17-94 Completed 5-27-94 Type tools Cable Size of hole 11 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 290 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 245 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
252	261	9	broken conglomerate	
			water bearing	15

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	0	290	291	coller	240	290

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____ State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 06-07-94 Quad _____ FWL _____ FSL _____

File No. C-2393 Use Domestic/Stock Location No. 23S.26E.3.43412

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	2	2	top soil
2	20	18	clichie & gravel rock
20	50	30	large gravel
50	60	10	brown shale
60	105	45	large gravel
105	135	30	brown shale with gravel
135	165	30	conglomerated rock
165	210	45	brown shale,gravel rock
210	235	25	yellow & tan conglomerated rock
235	240	5	crevice, lost fluid
240	252	12	conglomerated yellow& brown rock
252	261	9	conglomerated rock, water bearing
261	265	4	brown & tan shale with rock
265	275	10	conglomerated rock- some shale, possible water
275	290	15	conglomerated rock & shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

gravel pack with 8 yds 1" gravel 40' from surface

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

J. O. Hammond
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section [illegible] and Section 5 need be completed.

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 02382			SE	03	23S	26E	568065.0	3577254.0 *	

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

Driller License:	461	**Driller Company:**	C & J DRILLING COMPANY		
Driller Name:	HAMMOND, MARK				
Drill Start Date:	1994-04-06	**Drill Finish Date:**	1994-04-16	**Plug Date:**	
Log File Date:	1995-04-28	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	30
Casing Size:	7.00	**Depth Well:**	288	**Depth Water:**	248

Water Bearing Stratifications:

Top	Bottom	Description
255	260	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
228	288

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Trn ~~194292~~ 465357

Section 1. GENERAL INFORMATION

(A) Owner of well Bill Gillock Owner's Well No. 1

Street or Post Office Address 159 Gillock RD.

City and State Carlsbad N M 88220

'95 MAY 23 AM 10 39

STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO

Well was drilled under Permit No. C-2382 and is located in the:

a. ____ ¼ ____ ¼ S½ ¼ SE ¼ of Section 3 Township ~~23~~ 23S Range ~~26~~ 26E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in EDDY County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461

Address Box 935 Artesia, NM 88210

Drilling Began 4-6-94 Completed 4-16-94 Type tools cable Size of hole 10 in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 288 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 248 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
255	260	5	Broken Conglomerate	30

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	1	288	289	collar	228	288

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by:

____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 04-28-95

Quad ____ FWL ____ FSL ____

File No. C-2382 Use Domestic/Stock Location No. 23S.26E.3.43243

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	1	1	Top soil
1	20	19	clichie
20	50	30	gravel
50	60	10	brown shale
60	105	45	gravel
105	135	30	brown shale gravel
135	165	30	conglomerated rock
165	209	44	brown shale gravel
209	230	21	yellow & tan conglomerated rock
230	232	2	crevase
232	246	14	conglomerated rock
246	255	9	solid conglomerated rock
255	260	5	conglomerated rock (water)
260	281	21	shale and rock
281	288	7	conglomerated rock

Section 7. REMARKS AND ADDITIONAL INFORMATION

Gravel Pack well

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, [illegible] Section 5, shall be answered as complete[illegible] accurately as possible when any well is drilled, repaired or deepened. When this [illegible] is used as a plugging record, only Section 1(a) [illegible] Section 5 need be completed.

Appendix B
Field Data and Soil Profile Logs

Log

DPT-1

Page 1 of 1

Location: Bandswd.1

Purpose: Soil Sample

Project: bandswd.env.23

Completion Date	9/20/2024	**Latitude**	32.32683
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28337
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4.5

Depth in Feet	Lithology	USCS	Description
0 – 4		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry (plastic liner)
4 – 5		Rock	Refusal at depth

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-2

Page 1 of 1

Location: Bandswd.env.24

Purpose: Soil Sample

Project: bandswd.env.24

Completion Date	9/20/2024	**Latitude**	32.32111
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28328
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4

Depth in Feet	Lithology	USCS	Description
0 – 4		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry (plastic liner at surface)

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-3

Page 1 of 1

Location: Bandswd.env.25

Purpose: Soil Sample

Project: bandswd.env.25

Completion Date	9/20/2024
Drilling Contractor	Atkins Engineering Assoc.
Drilling Method	DPT
Boring Diameter	2.5"
Latitude	32.32105
Longitude	-104.28303
Surface Elevation (ft)	3308
Total Depth (ft)	5

Depth in Feet	Lithology	USCS	Description
0 – 5		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry
5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:Plugged boring using Hydrated bentonite

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-4

Page 1 of 1

Location: Bandit #1

Purpose: Soil Sample

Project: bandswd.env.26

Completion Date	9/20/2024
Drilling Contractor	Atkins Engineering Assoc.
Drilling Method	DPT
Boring Diameter	2.5"
Latitude	32.32096
Longitude	-104.28322
Surface Elevation (ft)	3308
Total Depth (ft)	6

Depth in Feet	Lithology	USCS	Description
0–4	SiltyClay	SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,
4–5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:

ATKINS ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-5

Page 1 of 1

Location: Bandswd.env.27

Purpose: Soil Sample

Project: bandswd.env.27

Completion Date	9/20/2024	**Latitude**	32.32137
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28283
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4

Depth in Feet	Lithology	USCS	Description
0 – 6		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-6

Page 1 of 1

Location: Bandit #1

Purpose: Soil Sample

Project: bandswd.env.28

Completion Date	9/20/2024
Drilling Contractor	Atkins Engineering Assoc.
Drilling Method	DPT
Boring Diameter	2.5"
Latitude	32.3213
Longitude	-104.28336
Surface Elevation (ft)	3308
Total Depth (ft)	4.5

Depth in Feet	Lithology	USCS	Description
0–4.5	SiltyClay	SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,
4.5–5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:Plugged boring using Hydrated bentonite

Atkins
ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

tat (2') 1.70 at (4')

81 at (2') 1.13

65 at (2')

5 at (2')

at (2')

t (4')

t (4')

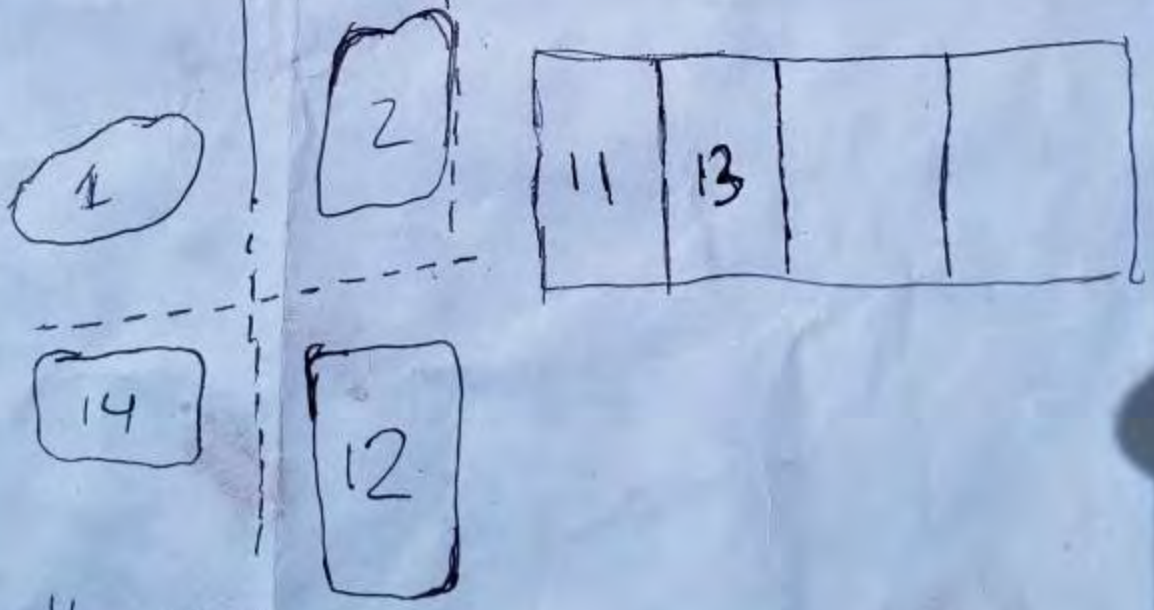
at (4')

at (4')

at (2')

at (2')

at (2')



16 - 7.35 at (4')

3R Bandit SWD

1. 0.37 at 2Ft, 1.39 at 2 Ft , 1.73 at 2Ft.
2. 1.47 at 2Ft , 1.70 at 4 Ft
3. 0.81 at 2 Ft , 1.13 at 2 Ft
4. 0.65 at 2 Ft ,
5. 1.25 at 2 Ft
6. 2.00 at 2 Ft
7. 3.55 at 4 Ft
8. 1.70 at 4 Ft
9. 5.31 at 4 Ft
10. 3.30 at 4 Ft
11. 1.70 at 2 Ft
12. 0.90 at 2 Ft , 1.11 at 2 Ft
13. 2.10 at 2 Ft
14. 0.85 at 2 Ft
15. 6.70 at 4 Ft
16. 7.35 at 4 Ft

Appendix C
Laboratory Analytical Reports

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	BANDIT SWD 1
Work Order:	E406108
Job Number:	20071-0001
Received:	6/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/18/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/18/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: BANDIT SWD 1
Workorder: E406108
Date Received: 6/12/2024 9:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/12/2024 9:00:00AM, under the Project Name: BANDIT SWD 1.

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

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

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	06/18/24 11:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
DPT1-4'	E406108-01A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
DPT2-6'	E406108-02A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
DPT3-4'	E406108-03A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
DPT5-5'	E406108-04A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
DPT6-4'	E406108-05A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH1-4.5'	E406108-06A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH2-4.5'	E406108-07A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH3-4.5'	E406108-08A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH5-2'	E406108-09A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH5-3'	E406108-10A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH6-2'	E406108-11A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH6-3'	E406108-12A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH7-2'	E406108-13A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH7-3'	E406108-14A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH8-2'	E406108-15A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.
BH8-3'	E406108-16A	Soil	06/06/24	06/12/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

DPT1-4'

E406108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**582**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

DPT2-6'

E406108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	ND	20.0	1	06/13/24	06/13/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

DPT3-4'

E406108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*111 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**299**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

DPT5-5'

E406108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene	*98.5 %*	*70-130*		*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70-130*		*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8	*101 %*	*70-130*		*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene	*98.5 %*	*70-130*		*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4	*101 %*	*70-130*		*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8	*101 %*	*70-130*		*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane	*113 %*	*50-200*		*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**606**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

DPT6-4'

E406108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/14/24	
Toluene	ND	0.0250	1	06/12/24	06/14/24	
o-Xylene	ND	0.0250	1	06/12/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/14/24	
Surrogate: Bromofluorobenzene		*99.2 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*06/12/24*	*06/14/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/14/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**4690**	40.0	2	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH1-4.5'

E406108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**2100**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH2-4.5'

E406108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**38.9**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH3-4.5'

E406108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.5 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**1040**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH5-2'

E406108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**4860**	40.0	2	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH5-3'

E406108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*119 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**3580**	40.0	2	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH6-2'

E406108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.4 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**166**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH6-3'

E406108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**45.4**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH7-2'

E406108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*97.2 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**1190**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH7-3'

E406108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**721**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH8-2'

E406108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*99.9 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**1640**	20.0	1	06/13/24	06/14/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

BH8-3'

E406108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Benzene	ND	0.0250	1	06/12/24	06/15/24	
Ethylbenzene	ND	0.0250	1	06/12/24	06/15/24	
Toluene	ND	0.0250	1	06/12/24	06/15/24	
o-Xylene	ND	0.0250	1	06/12/24	06/15/24	
p,m-Xylene	ND	0.0500	1	06/12/24	06/15/24	
Total Xylenes	ND	0.0250	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2424058
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/12/24	06/15/24	
Surrogate: Bromofluorobenzene		*98.6 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*06/12/24*	*06/15/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*06/12/24*	*06/15/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2424073
Diesel Range Organics (C10-C28)	ND	25.0	1	06/12/24	06/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/12/24	06/16/24	
Surrogate: n-Nonane		*120 %*	*50-200*	*06/12/24*	*06/16/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2424088
Chloride	**1700**	20.0	1	06/13/24	06/14/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424058-BLK1)									Prepared: 06/12/24 Analyzed: 06/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2424058-BS1)									Prepared: 06/12/24 Analyzed: 06/14/24
Benzene	2.36	0.0250	2.50		94.5	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.2	70-130			
Toluene	2.34	0.0250	2.50		93.7	70-130			
o-Xylene	2.48	0.0250	2.50		99.4	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.38	0.0250	7.50		98.4	70-130			
Surrogate: Bromofluorobenzene	*0.501*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.6*	*70-130*			
Surrogate: Toluene-d8	*0.501*		*0.500*		*100*	*70-130*			
Matrix Spike (2424058-MS1)				**Source: E406108-05**					Prepared: 06/12/24 Analyzed: 06/14/24
Benzene	2.35	0.0250	2.50	ND	94.0	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	99.0	45-135			
Toluene	2.36	0.0250	2.50	ND	94.3	48-130			
o-Xylene	2.48	0.0250	2.50	ND	99.1	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	97.0	43-135			
Total Xylenes	7.33	0.0250	7.50	ND	97.7	43-135			
Surrogate: Bromofluorobenzene	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2424058-MSD1)				**Source: E406108-05**					Prepared: 06/12/24 Analyzed: 06/14/24
Benzene	2.41	0.0250	2.50	ND	96.4	48-131	2.48	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	3.79	27	
Toluene	2.45	0.0250	2.50	ND	97.8	48-130	3.71	24	
o-Xylene	2.59	0.0250	2.50	ND	104	43-135	4.56	27	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	4.24	27	
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135	4.35	27	
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.508*		*0.500*		*102*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424058-BLK1)									Prepared: 06/12/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.491*		*0.500*		*98.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.514*		*0.500*		*103*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
LCS (2424058-BS2)									Prepared: 06/12/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.7	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*98.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.1*	*70-130*			
Surrogate: Toluene-d8	*0.506*		*0.500*		*101*	*70-130*			
Matrix Spike (2424058-MS2)				**Source: E406108-05**					Prepared: 06/12/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.509*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.505*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2424058-MSD2)				**Source: E406108-05**					Prepared: 06/12/24 Analyzed: 06/14/24
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130	2.90	20	
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.502*		*0.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424073-BLK1)									Prepared: 06/12/24 Analyzed: 06/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.9*		*50.0*		*114*	*50-200*			
LCS (2424073-BS1)									Prepared: 06/12/24 Analyzed: 06/16/24
Diesel Range Organics (C10-C28)	296	25.0	250		119	38-132			
Surrogate: n-Nonane	*56.5*		*50.0*		*113*	*50-200*			
Matrix Spike (2424073-MS1)				**Source: E406108-04**					Prepared: 06/12/24 Analyzed: 06/16/24
Diesel Range Organics (C10-C28)	290	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
Matrix Spike Dup (2424073-MSD1)				**Source: E406108-04**					Prepared: 06/12/24 Analyzed: 06/16/24
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132	1.96	20	
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	6/18/2024 11:55:47AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2424088-BLK1)									Prepared: 06/13/24 Analyzed: 06/13/24
Chloride	ND	20.0							
LCS (2424088-BS1)									Prepared: 06/13/24 Analyzed: 06/13/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424088-MS1)				**Source: E406108-02**					Prepared: 06/13/24 Analyzed: 06/13/24
Chloride	269	20.0	250	ND	108	80-120			
Matrix Spike Dup (2424088-MSD1)				**Source: E406108-02**					Prepared: 06/13/24 Analyzed: 06/14/24
Chloride	270	20.0	250	ND	108	80-120	0.155	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	BANDIT SWD 1	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	06/18/24 11:55

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 1 of 2

Client:	ATKINS ENG
Project:	BRAVO 7 SWD 1
Project Manager:	AUSTIN WEIMER
Address:	2904 W 2ND
City, State, Zip	ROSWELL, NM
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E406108	20374-0001

TAT: 1D | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
	6/6	S	1	DPT1 - 4'	1	X	X	X			X	
	6/6	S	1	DPT2 - 6'	2	X	X	X			X	
	6/6	S	1	DPT3 - 4'	3	X	X	X			X	
	6/6	S	1	DPT5 - 5'	4	X	X	X			X	
	6/6	S	1	DPT6 - 4'	5	X	X	X			X	
	6/6	S	1	BH1 - 4.5'	6	X	X	X			X	
	6/6	S	1	BH2 - 4.5'	7	X	X	X			X	
	6/6	S	1	BH3 - 4.5'	8	X	X	X			X	
	6/6	S	1	BH5 - 2'	9	X	X	X			X	
	6/6	S	1	BH5 - 3'	10	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/6/24	11:23	Michelle Gonzales	6-11-24	1005
Michelle Gonzales	6-11-24	1645		6.11.24	1700
	6.11.24	2330		6/12/24	900

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 2 of 2

Client:	ATKINS ENG	Bill To Attention:	
Project:	BANDIT SWD 1	Address:	
Project Manager:	AUSTIN WEAVER	City, State, Zip	
Address:	2904 W 2ND	Phone:	
City, State, Zip	ROSWELL, NM	Email:	
Phone:			
Email:			
Report due by:			

Lab Use Only: Lab WO# E406108 | Job Number 20071-0001

TAT: 1D | 2D | 3D | Standard

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO	GRO/DRO	BTEX	VOC	Metals	Chloride	Remarks
	6/6	S	1	BH6 -2'	11	X	X	X			X	
	6/6	S	1	BH6 -3'	12	X	X	X			X	
	6/6	S	1	BH7 -2'	13	X	X	X			X	
	6/6	S	1	BH7 -3'	14	X	X	X			X	
	6/6	S	1	BH8 -2'	15	X	X	X			X	
	6/6	S	1	BH8 -3'	16	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/6/24	11:26	Michelle Gonzales	6-11-24	1005
Michelle Gonzales	6-11-24	1645		6.11.24	1700
	6.11.24	2330		6/12/24	900

Lab Use Only — Received on ice: Y / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 6/12/2024 11:58:23AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	06/12/24 09:00	Work Order ID:	E406108
Phone:	(575) 626-3993	Date Logged In:	06/11/24 16:27	Logged In By:	Alexa Michaels
Email:	austin@atkinseng.com	Due Date:	06/18/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Time sampled in not documented on the COC by client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E407184
Job Number:	20071-0001
Received:	7/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/24

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

Date Reported: 7/30/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E407184
Date Received: 7/24/2024 5:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2024 5:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

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Laboratory Administrator
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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 12:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E407184-01A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW2	E407184-02A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW3	E407184-03A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW4	E407184-04A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C1	E407184-05A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C2	E407184-06A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C3	E407184-07A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C4	E407184-08A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C5	E407184-09A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C6	E407184-10A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C7	E407184-11A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C8	E407184-12A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C9	E407184-13A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C10	E407184-14A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C11	E407184-15A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C12	E407184-16A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C13	E407184-17A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C14	E407184-18A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C15	E407184-19A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C16	E407184-20A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

SW1

E407184-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**10500**	200	10	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

SW2

E407184-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**113**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

SW3

E407184-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**187**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

SW4

E407184-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*123 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**107**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C1

E407184-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.0 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*126 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**1890**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C2

E407184-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*127 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**34.7**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C3

E407184-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*127 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**351**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C4

E407184-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**371**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C5

E407184-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*137 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**240**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C6

E407184-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*98.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*127 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**846**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C7

E407184-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.8 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**63.2**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C8

E407184-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*133 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**109**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C9

E407184-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*99.8 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*125 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**92.8**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C10

E407184-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*97.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*128 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**321**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C11

E407184-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*135 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**251**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C12

E407184-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*95.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*140 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**35.3**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C13

E407184-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/25/24	
Surrogate: n-Nonane		*133 %*	*50-200*	*07/24/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**51.6**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C14

E407184-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*134 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**300**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C15

E407184-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*129 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	**21.0**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

C16

E407184-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430064
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*96.7 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430088
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*133 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2430081
Chloride	ND	20.0	1	07/24/24	07/25/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430064-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			
LCS (2430064-BS1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	2.34	0.0250	2.50		93.7	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.3	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.32	0.0250	2.50		92.9	70-130			
p,m-Xylene	4.69	0.0500	5.00		93.8	70-130			
Total Xylenes	7.01	0.0250	7.50		93.5	70-130			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.496*		*0.500*		*99.2*	*70-130*			
Surrogate: Toluene-d8	*0.520*		*0.500*		*104*	*70-130*			
Matrix Spike (2430064-MS1)				**Source: E407184-11**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	2.42	0.0250	2.50	ND	96.9	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135			
Toluene	2.47	0.0250	2.50	ND	98.9	48-130			
o-Xylene	2.40	0.0250	2.50	ND	95.9	43-135			
p,m-Xylene	4.85	0.0500	5.00	ND	96.9	43-135			
Total Xylenes	7.24	0.0250	7.50	ND	96.6	43-135			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
Matrix Spike Dup (2430064-MSD1)				**Source: E407184-11**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	2.44	0.0250	2.50	ND	97.6	48-131	0.720	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.5	45-135	1.01	27	
Toluene	2.50	0.0250	2.50	ND	100	48-130	1.19	24	
o-Xylene	2.45	0.0250	2.50	ND	98.2	43-135	2.35	27	
p,m-Xylene	4.95	0.0500	5.00	ND	99.0	43-135	2.09	27	
Total Xylenes	7.40	0.0250	7.50	ND	98.7	43-135	2.18	27	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430064-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.526*		*0.500*		*105*	*70-130*			
LCS (2430064-BS2)									Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	50.9	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	*0.508*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.505*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike (2430064-MS2)				**Source: E407184-11**					Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130			
Surrogate: Bromofluorobenzene	*0.510*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.490*		*0.500*		*97.9*	*70-130*			
Surrogate: Toluene-d8	*0.527*		*0.500*		*105*	*70-130*			
Matrix Spike Dup (2430064-MSD2)				**Source: E407184-11**					Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130	5.53	20	
Surrogate: Bromofluorobenzene	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430088-BLK1)									Prepared: 07/24/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*63.2*		*50.0*		*126*	*50-200*			
LCS (2430088-BS1)									Prepared: 07/24/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	153	25.0	250		61.2	38-132			
Surrogate: n-Nonane	*63.7*		*50.0*		*127*	*50-200*			
Matrix Spike (2430088-MS1)				**Source: E407184-05**					Prepared: 07/24/24 Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*55.8*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2430088-MSD1)				**Source: E407184-05**					Prepared: 07/24/24 Analyzed: 07/29/24
Diesel Range Organics (C10-C28)	321	25.0	250	ND	128	38-132	16.0	20	
Surrogate: n-Nonane	*58.7*		*50.0*		*117*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:43:17PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430081-BLK1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	ND	20.0							
LCS (2430081-BS1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2430081-MS1)				**Source: E407184-12**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	356	20.0	250	109	98.7	80-120			
Matrix Spike Dup (2430081-MSD1)				**Source: E407184-12**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	365	20.0	250	109	102	80-120	2.44	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 12:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 1 of 9

Client:	ATKINS ENG
Project:	BANDIT SWD
Project Manager:	AUSTIN WEIGANT
Address:	2904 W 2ND
City, State, Zip	ROSWELL, NM
Phone:	575 626 3993
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E407184	20071.0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
9:38	7/22	S	1 2oz	SW1	1	X	X	X			X	
9:37				SW2	2	X	X	X			X	
9:34				SW3	3	X	X	X			X	
9:42				SW4	4	X	X	X			X	
9:40				C1	5	X	X	X			X	
9:39				C2	6	X	X	X			X	
9:37				C3	7	X	X	X			X	
9:43				C4	8	X	X	X			X	
9:47				C5	9	X	X	X			X	
10:21				C6	10	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/23	0643	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645		7.23.24	1715
	7.23.24	2330	Kaylyn R Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Project Information

Chain of Custody

Client: ATKINS	Bill To	Lab Use Only: Lab WO# E407184; Job Number 20071-0001
Project: ATKINS	Attention:	TAT: 1D / 2D / 3D / Standard X
Project Manager: BANDSTAD	Address:	EPA Program: CWA / SDWA / RCRA
Address:	City, State, Zip	State: NM / CO / UT / AZ / TX
City, State, Zip	Phone:	
Phone:	Email:	
Email:		
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:18	7/22	S	1 2oz	C7	11	X	X	X			X	
10:14	↓	↓	↓	C8	12	X	X	X			X	
—				C9	13	X	X	X			X	
9:58				C10	14	X	X	X			X	
10:00				C11	15	X	X	X			X	
10:01				C12	16	X	X	X			X	
10:00				C13	17	X	X	X			X	
10:03				C14	18	X	X	X			X	
10:02				C15	19	X	X	X			X	
10:02	↓	↓	↓	C16	20	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	6:45	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	[signature]	7-23-24	1715
[signature]	7-23-24	2330	Kayleigh R Hell	7-24-24	0500

Lab Use Only: Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/24/2024 9:24:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/24/24 05:00	Work Order ID:	E407184
Phone:	(575) 626-3993	Date Logged In:	07/23/24 16:22	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	07/30/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Bandit SWD has been separated into multiple WO due to high sample volume. WO are E407184-E407187. Sampled by name is missing in COC by client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E407185
Job Number:	20071-0001
Received:	7/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/24

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

Date Reported: 7/30/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E407185
Date Received: 7/24/2024 5:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2024 5:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 10:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C17	E407185-01A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C18	E407185-02A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C19	E407185-03A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C20	E407185-04A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C21	E407185-05A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C22	E407185-06A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C23	E407185-07A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C24	E407185-08A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C25	E407185-09A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C26	E407185-10A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C27	E407185-11A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C28	E407185-12A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C29	E407185-13A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C30	E407185-14A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C31	E407185-15A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C32	E407185-16A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C33	E407185-17A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C34	E407185-18A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C35	E407185-19A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C36	E407185-20A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C17

E407185-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.0 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**154**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C18

E407185-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**123**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C19

E407185-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**391**	20.0	1	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C20

E407185-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**684**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C21

E407185-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	**46.3**	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	**54.9**	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**3830**	40.0	2	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C22

E407185-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.5 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	**25.0**	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**4340**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C23

E407185-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**3390**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C24

E407185-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/26/24	
Surrogate: n-Nonane		*122 %*	*50-200*	*07/24/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**2450**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C25

E407185-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*127 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**5830**	100	5	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C26

E407185-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*116 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**12700**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C27

E407185-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*128 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**3190**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C28

E407185-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.4 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*118 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**6830**	100	5	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C29

E407185-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*99.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*124 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**1280**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C30

E407185-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	**32.7**	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**9120**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

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E407185-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*99.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*108 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**4170**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

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E407185-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*121 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**3530**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

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E407185-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*100 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*115 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**4870**	100	5	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C34

E407185-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*114 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**738**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C35

E407185-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*97.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**3930**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

C36

E407185-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430065
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*103 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430089
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/24	07/27/24	
Surrogate: n-Nonane		*117 %*	*50-200*	*07/24/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430082
Chloride	**1530**	20.0	1	07/24/24	07/25/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430065-BLK1)									Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2430065-BS1)									Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	2.40	0.0250	2.50		95.9	70-130			
Ethylbenzene	2.49	0.0250	2.50		99.6	70-130			
Toluene	2.31	0.0250	2.50		92.6	70-130			
o-Xylene	2.50	0.0250	2.50		100	70-130			
p,m-Xylene	4.91	0.0500	5.00		98.2	70-130			
Total Xylenes	7.41	0.0250	7.50		98.8	70-130			
Surrogate: Bromofluorobenzene	*0.527*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2430065-MS1)				**Source: E407185-09**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	2.52	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.42	0.0250	2.50	ND	96.9	48-130			
o-Xylene	2.66	0.0250	2.50	ND	106	43-135			
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.85	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	*0.536*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.8*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			
Matrix Spike Dup (2430065-MSD1)				**Source: E407185-09**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	2.49	0.0250	2.50	ND	99.8	48-131	1.04	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	0.211	27	
Toluene	2.42	0.0250	2.50	ND	97.0	48-130	0.0825	24	
o-Xylene	2.66	0.0250	2.50	ND	106	43-135	0.150	27	
p,m-Xylene	5.17	0.0500	5.00	ND	103	43-135	0.299	27	
Total Xylenes	7.83	0.0250	7.50	ND	104	43-135	0.249	27	
Surrogate: Bromofluorobenzene	*0.533*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.3*	*70-130*			
Surrogate: Toluene-d8	*0.503*		*0.500*		*101*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430065-BLK1)									Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.519*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.482*		*0.500*		*96.4*	*70-130*			
Surrogate: Toluene-d8	*0.502*		*0.500*		*100*	*70-130*			
LCS (2430065-BS2)									Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0		90.1	70-130			
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.483*		*0.500*		*96.5*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
Matrix Spike (2430065-MS2)				**Source: E407185-09**					Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: Bromofluorobenzene	*0.539*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.509*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2430065-MSD2)				**Source: E407185-09**					Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	6.11	20	
Surrogate: Bromofluorobenzene	*0.534*		*0.500*		*107*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: Toluene-d8	*0.504*		*0.500*		*101*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430089-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.9*		*50.0*		*118*	*50-200*			
LCS (2430089-BS1)									Prepared: 07/24/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	*59.2*		*50.0*		*118*	*50-200*			
Matrix Spike (2430089-MS1)				**Source: E407185-04**					Prepared: 07/24/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*62.2*		*50.0*		*124*	*50-200*			
Matrix Spike Dup (2430089-MSD1)				**Source: E407185-04**					Prepared: 07/24/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	7.46	20	
Surrogate: n-Nonane	*58.8*		*50.0*		*118*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 10:46:29AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430082-BLK1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	ND	20.0							
LCS (2430082-BS1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2430082-MS1)				**Source: E407185-05**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	4240	40.0	250	3830	162	80-120			M4
Matrix Spike Dup (2430082-MSD1)				**Source: E407185-05**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	4460	40.0	250	3830	249	80-120	4.98	20	M4

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 10:46

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information

Chain of Custody

Client:	Atkins Eng
Project:	
Project Manager:	
Address:	Bandit SWD
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only: Lab WO# E407185; Job Number 20071-0001

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:05	7/22	S	1 2oz	C17	1	X	X	X			X	
10:04	↓	↓	↓	C18	2	X	X	X			X	
10:04				C19	3	X	X	X			X	
10:07				C20	4	X	X	X			X	
10:35				C21	5	X	X	X			X	
10:33				C22	6	X	X	X			X	
11:10				C23	7	X	X	X			X	
10:39				C24	8	X	X	X			X	
10:43				C25	9	X	X	X			X	
10:4	↓	↓		C26	10	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	6:46	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	A. M.	7.23.24	1715
A. M.	7.23.24	2330	Kayleigh K Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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

envirotech

Project Information

Chain of Custody

Client: ATKINS ENG	Bill To	Lab Use Only		TAT				EPA Program	
Project: BANDIT SWD	Attention:	Lab WO# E407185	Job Number 20071-0001	1D	2D	3D	Standard	CWA	SDWA
Project Manager:	Address:						X		
Address:	City, State, Zip	Analysis and Method							RCRA
City, State, Zip	Phone:								
Phone:	Email:							State: NM CO UT AZ TX	
Email:									
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
10:46	7/22	S	1 2oz	C27	11	X	X	X			X	
10:43	↓	↓	↓	C28	12	X	X	X			X	
11:04				C29	13	X	X	X			X	
10:48				C30	14	X	X	X			X	
10:50				C31	15	X	X	X			X	
11:06				C32	16	X	X	X			X	
11:22				C33	17	X	X	X			X	
10:55				C34	18	X	X	X			X	
11:10				C35	19	X	X	X			X	
11:00				C36	20	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	0:48	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	[signature]	7-23-24	1715
[signature]	7.23.24	2330	Kayleigh R Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 ______ T2 ______ T3 ______
AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 7/24/2024 9:22:11AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/24/24 05:00	Work Order ID:	E407185
Phone:	(575) 626-3993	Date Logged In:	07/23/24 16:24	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	07/30/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Bandit SWD has been separated into multiple WO due to high sample volume. WO are E407184-E407187. Sampled by name is missing in COC by client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E407186
Job Number:	20071-0001
Received:	7/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/24

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

Date Reported: 7/30/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E407186
Date Received: 7/24/2024 5:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2024 5:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 12:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C37	E407186-01A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C38	E407186-02A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C39	E407186-03A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C40	E407186-04A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C41	E407186-05A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C42	E407186-06A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C43	E407186-07A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C44	E407186-08A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C45	E407186-09A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C46	E407186-10A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C47	E407186-11A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C48	E407186-12A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C49	E407186-13A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C50	E407186-14A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C51	E407186-15A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C52	E407186-16A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C53	E407186-17A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C54	E407186-18A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C55	E407186-19A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C56	E407186-20A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C37

E407186-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*105 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**277**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C38

E407186-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**1380**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C39

E407186-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2220**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C40

E407186-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**603**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C41

E407186-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**3620**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C42

E407186-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**49.7**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C43

E407186-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	**68.6**	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*113 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2950**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C44

E407186-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.1 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**1920**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C45

E407186-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2740**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C46

E407186-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/25/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/25/24	
Toluene	ND	0.0250	1	07/24/24	07/25/24	
o-Xylene	ND	0.0250	1	07/24/24	07/25/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/25/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/25/24	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*07/24/24*	*07/25/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**887**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C47

E407186-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**829**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C48

E407186-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2000**	40.0	2	07/24/24	07/24/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C49

E407186-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2340**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C50

E407186-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2430101
Diesel Range Organics (C10-C28)	**53.7**	25.0	1	07/25/24	07/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/29/24	
Surrogate: n-Nonane		*112 %*	*50-200*	*07/25/24*	*07/29/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**3160**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C51

E407186-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	**28.6**	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*110 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**4160**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C52

E407186-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*109 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**3600**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C53

E407186-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*93.1 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**1220**	20.0	1	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C54

E407186-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	**53.8**	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**3540**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C55

E407186-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**2400**	40.0	2	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

C56

E407186-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2430076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430101
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*86.2 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430090
Chloride	**700**	20.0	1	07/24/24	07/25/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430076-BLK1)									Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.16*		*8.00*		*102*	*70-130*			
LCS (2430076-BS1)									Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	4.23	0.0250	5.00		84.5	70-130			
Ethylbenzene	4.06	0.0250	5.00		81.1	70-130			
Toluene	4.15	0.0250	5.00		83.0	70-130			
o-Xylene	4.06	0.0250	5.00		81.3	70-130			
p,m-Xylene	8.28	0.0500	10.0		82.8	70-130			
Total Xylenes	12.3	0.0250	15.0		82.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.15*		*8.00*		*102*	*70-130*			
Matrix Spike (2430076-MS1)				**Source: E407186-04**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	4.59	0.0250	5.00	ND	91.9	54-133			
Ethylbenzene	4.40	0.0250	5.00	ND	88.0	61-133			
Toluene	4.50	0.0250	5.00	ND	90.0	61-130			
o-Xylene	4.41	0.0250	5.00	ND	88.1	63-131			
p,m-Xylene	8.99	0.0500	10.0	ND	89.9	63-131			
Total Xylenes	13.4	0.0250	15.0	ND	89.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2430076-MSD1)				**Source: E407186-04**					Prepared: 07/24/24 Analyzed: 07/25/24
Benzene	4.79	0.0250	5.00	ND	95.8	54-133	4.23	20	
Ethylbenzene	4.61	0.0250	5.00	ND	92.2	61-133	4.71	20	
Toluene	4.70	0.0250	5.00	ND	94.0	61-130	4.35	20	
o-Xylene	4.62	0.0250	5.00	ND	92.3	63-131	4.68	20	
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	63-131	4.50	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131	4.56	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.09*		*8.00*		*101*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430076-BLK1)									Prepared: 07/24/24 Analyzed: 07/25/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.48*		*8.00*		*93.5*	*70-130*			
LCS (2430076-BS2)									Prepared: 07/24/24 Analyzed: 07/30/24
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
Matrix Spike (2430076-MS2)				**Source: E407186-04**					Prepared: 07/24/24 Analyzed: 07/30/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike Dup (2430076-MSD2)				**Source: E407186-04**					Prepared: 07/24/24 Analyzed: 07/30/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	9.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430101-BLK1)									Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.6*		*50.0*		*117*	*50-200*			
LCS (2430101-BS1)									Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	225	25.0	250		90.2	38-132			
Surrogate: n-Nonane	*56.7*		*50.0*		*113*	*50-200*			
Matrix Spike (2430101-MS1)				**Source: E407186-11**					Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132			
Surrogate: n-Nonane	*55.4*		*50.0*		*111*	*50-200*			
Matrix Spike Dup (2430101-MSD1)				**Source: E407186-11**					Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	95.0	38-132	1.18	20	
Surrogate: n-Nonane	*56.2*		*50.0*		*112*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 12:44:36PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430090-BLK1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	ND	20.0							
LCS (2430090-BS1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2430090-MS1)				**Source: E407186-12**					Prepared: 07/24/24 Analyzed: 07/25/24
Chloride	2170	40.0	250	2000	68.3	80-120			M4
Matrix Spike Dup (2430090-MSD1)				**Source: E407186-12**					Prepared: 07/24/24 Analyzed: 07/25/24
Chloride	2060	40.0	250	2000	24.8	80-120	5.14	20	M4

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 12:44

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 5 of 9

Client: ATKINS ENG	Bill To	Lab Use Only	TAT / EPA Program
Project: BANDIT SWD	Attention:	Lab WO# E407186	Job Number 20071-0001
Project Manager:	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA
Address:	City, State, Zip		
City, State, Zip	Phone:		
Phone:	Email:		
Email:			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
11:22	7/22	S	1 2oz	C37	1	X	X	X			X	
11:18				C38	2	X	X	X			X	
1046				C39	3	X	X	X			X	
1122				C40	4	X	X	X			X	
11:19				C41	5	X	X	X			X	
11:20				C42	6	X	X	X			X	
11:10				C43	7	X	X	X			X	
11:19				C44	8	X	X	X			X	
—				C45	9	X	X	X			X	
1125				C46	10	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	0949	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	[signature]	7.23.24	1715
[signature]	7.23.24	2330	Kaylyn R Hess	7-24-24	0500

Lab Use Only — Received on ice: (Y) / N — T1 ____ T2 ____ T3 ____ — AVG Temp °C 4

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

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

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

envirotech

Project Information

Chain of Custody

Client:	ATKINS ENG
Project:	
Project Manager:	BRANDT SAND
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E407186	20071-0001				X		
							RCRA

State: NM | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Remarks
11:15				C47	11	X	X	X			X						
11:12				C48	12	X	X	X			X						
11:13				C49	13	X	X	X			X						
11:13				C50	14	X	X	X			X						
~~11:31~~ 11:13				C51	15	X	X	X			X						
11:14				C52	16	X	X	X			X						
11:11				C53	17	X	X	X			X						
11:11				C54	18	X	X	X			X						
11:09				C55	19	X	X	X			X						
11:08				C56	20	X	X	X			X						

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	6:50	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	[signature]	7.23.24	1715
[signature]	7.23.24	2330	[signature] R Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 ______ T2 ______ T3 ______
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/24/2024 9:15:11AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/24/24 05:00	Work Order ID:	E407186
Phone:	(575) 626-3993	Date Logged In:	07/23/24 16:24	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	07/30/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Bandit SWD has been separated into multiple WO due to high sample volume. WO are E407184-E407187. Sampled by name is missing in COC by client. Date sampled, matrix, and no. of containers is missing for samples 11 through 20.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E407187
Job Number:	20071-0001
Received:	7/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/30/24

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

Date Reported: 7/30/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E407187
Date Received: 7/24/2024 5:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/24/2024 5:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 08:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C57	E407187-01A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C58	E407187-02A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C59	E407187-03A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW5	E407187-04A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW6	E407187-05A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW7	E407187-06A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW8	E407187-07A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW9	E407187-08A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW10	E407187-09A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW11	E407187-10A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW12	E407187-11A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW13	E407187-12A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
SW14	E407187-13A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
PIT 1	E407187-14A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
PIT 2	E407187-15A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
PIT 3	E407187-16A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
PIT 4	E407187-17A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C80	E407187-18A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C81	E407187-19A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C82	E407187-20A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C83	E407187-21A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C84	E407187-22A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C85	E407187-23A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C86	E407187-24A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C87	E407187-25A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C88	E407187-26A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.
C89	E407187-27A	Soil	07/22/24	07/24/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C57

E407187-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**1320**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C58

E407187-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.6 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**6430**	100	5	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C59

E407187-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**587**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW5

E407187-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**25.0**	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**13200**	200	10	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW6

E407187-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**29.9**	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**18100**	400	20	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW7

E407187-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**76.7**	25.0	1	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	**74.1**	50.0	1	07/25/24	07/25/24	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**25200**	1000	50	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW8

E407187-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**210**	50.0	2	07/25/24	07/25/24	
Oil Range Organics (C28-C36)	**267**	100	2	07/25/24	07/25/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/25/24*	*07/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**6020**	100	5	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW9

E407187-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**834**	50.0	2	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	**301**	100	2	07/25/24	07/26/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**11100**	200	10	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW10

E407187-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**39.9**	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*89.6 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**479**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW11

E407187-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**52.2**	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	**68.1**	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**3320**	40.0	2	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW12

E407187-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**53.6**	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**5480**	100	5	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW13

E407187-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**148**	50.0	2	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	**115**	100	2	07/25/24	07/26/24	
Surrogate: n-Nonane		*98.9 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**11000**	200	10	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

SW14

E407187-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.8 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**14600**	400	20	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

PIT 1

E407187-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**6560**	200	10	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

PIT 2

E407187-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**95.8**	50.0	2	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	100	2	07/25/24	07/26/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**17400**	400	20	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

PIT 3

E407187-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**43.6**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

PIT 4

E407187-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**22.2**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C80

E407187-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	**25.0**	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**965**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C81

E407187-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*99.6 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**894**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C82

E407187-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2430077
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430102
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2430110
Chloride	**683**	20.0	1	07/25/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C83

E407187-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**9140**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C84

E407187-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*112 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	**46.2**	25.0	1	07/25/24	07/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/27/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*07/25/24*	*07/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**10200**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C85

E407187-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*109 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*82.9 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**12200**	400	20	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C86

E407187-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.5 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**8260**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C87

E407187-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*115 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*88.7 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**14600**	400	20	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C88

E407187-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*93.9 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*99.5 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**6480**	200	10	07/24/24	07/25/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

C89

E407187-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Benzene	ND	0.0250	1	07/24/24	07/26/24	
Ethylbenzene	ND	0.0250	1	07/24/24	07/26/24	
Toluene	ND	0.0250	1	07/24/24	07/26/24	
o-Xylene	ND	0.0250	1	07/24/24	07/26/24	
p,m-Xylene	ND	0.0500	1	07/24/24	07/26/24	
Total Xylenes	ND	0.0250	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2430078
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/24	07/26/24	
Surrogate: Bromofluorobenzene		*114 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*70-130*	*07/24/24*	*07/26/24*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*07/24/24*	*07/26/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2430104
Diesel Range Organics (C10-C28)	ND	25.0	1	07/25/24	07/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/25/24	07/26/24	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*07/25/24*	*07/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2430053
Chloride	**7830**	200	10	07/24/24	07/25/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430078-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			
LCS (2430078-BS1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	2.20	0.0250	2.50		88.2	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.5	70-130			
Toluene	2.40	0.0250	2.50		95.9	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.20	0.0500	5.00		104	70-130			
Total Xylenes	7.83	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	*0.575*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.535*		*0.500*		*107*	*70-130*			
Matrix Spike (2430078-MS1)				**Source: E407187-25**					Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	2.30	0.0250	2.50	ND	92.1	48-131			
Ethylbenzene	2.48	0.0250	2.50	ND	99.3	45-135			
Toluene	2.51	0.0250	2.50	ND	100	48-130			
o-Xylene	2.71	0.0250	2.50	ND	108	43-135			
p,m-Xylene	5.34	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.05	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	*0.577*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: Toluene-d8	*0.534*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2430078-MSD1)				**Source: E407187-25**					Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	2.29	0.0250	2.50	ND	91.5	48-131	0.653	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.3	45-135	1.01	27	
Toluene	2.47	0.0250	2.50	ND	98.8	48-130	1.55	24	
o-Xylene	2.73	0.0250	2.50	ND	109	43-135	0.718	27	
p,m-Xylene	5.44	0.0500	5.00	ND	109	43-135	1.89	27	
Total Xylenes	8.17	0.0250	7.50	ND	109	43-135	1.50	27	
Surrogate: Bromofluorobenzene	*0.573*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.469*		*0.500*		*93.8*	*70-130*			
Surrogate: Toluene-d8	*0.529*		*0.500*		*106*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430077-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2430077-BS1)									Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.5	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.73	0.0250	5.00		94.5	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.3	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.69*		*8.00*		*96.1*	*70-130*			
Matrix Spike (2430077-MS1)				**Source: E407187-09**					Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	5.22	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
o-Xylene	5.00	0.0250	5.00	ND	99.9	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.3*	*70-130*			
Matrix Spike Dup (2430077-MSD1)				**Source: E407187-09**					Prepared: 07/24/24 Analyzed: 07/26/24
Benzene	5.18	0.0250	5.00	ND	104	54-133	0.874	20	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	61-133	0.828	20	
Toluene	5.10	0.0250	5.00	ND	102	61-130	0.770	20	
o-Xylene	4.96	0.0250	5.00	ND	99.2	63-131	0.731	20	
p,m-Xylene	9.99	0.0500	10.0	ND	99.9	63-131	0.778	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.7	63-131	0.762	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430077-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.42*		*8.00*		*105*	*70-130*			
LCS (2430077-BS2)									Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.58*		*8.00*		*107*	*70-130*			
Matrix Spike (2430077-MS2)				**Source: E407187-09**					Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.54*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2430077-MSD2)				**Source: E407187-09**					Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130	1.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.45*		*8.00*		*106*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430078-BLK1)									Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.571*		*0.500*		*114*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.452*		*0.500*		*90.3*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			
LCS (2430078-BS2)									Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	*0.576*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.468*		*0.500*		*93.6*	*70-130*			
Surrogate: Toluene-d8	*0.548*		*0.500*		*110*	*70-130*			
Matrix Spike (2430078-MS2)				**Source: E407187-25**					Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	*0.574*		*0.500*		*115*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.546*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2430078-MSD2)				**Source: E407187-25**					Prepared: 07/24/24 Analyzed: 07/26/24
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	0.978	20	
Surrogate: Bromofluorobenzene	*0.563*		*0.500*		*113*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.2*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430102-BLK1)									Prepared: 07/25/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
LCS (2430102-BS1)									Prepared: 07/25/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	247	25.0	250		98.9	38-132			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*50-200*			
Matrix Spike (2430102-MS1)				**Source: E407187-10**					Prepared: 07/25/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	280	25.0	250	52.2	91.2	38-132			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
Matrix Spike Dup (2430102-MSD1)				**Source: E407187-10**					Prepared: 07/25/24 Analyzed: 07/25/24
Diesel Range Organics (C10-C28)	283	25.0	250	52.2	92.4	38-132	1.04	20	
Surrogate: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430104-BLK1)									Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.1*		*50.0*		*108*	*50-200*			
LCS (2430104-BS1)									Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	237	25.0	250		94.8	38-132			
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			
Matrix Spike (2430104-MS1)				**Source: E407187-24**					Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.5*	*50-200*			
Matrix Spike Dup (2430104-MSD1)				**Source: E407187-24**					Prepared: 07/25/24 Analyzed: 07/26/24
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.7	38-132	4.08	20	
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430053-BLK1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	ND	20.0							
LCS (2430053-BS1)									Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2430053-MS1)				**Source: E407176-05**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	271	20.0	250	ND	109	80-120			
Matrix Spike Dup (2430053-MSD1)				**Source: E407176-05**					Prepared: 07/24/24 Analyzed: 07/24/24
Chloride	273	20.0	250	ND	109	80-120	0.541	20	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	7/30/2024 8:43:57AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2430110-BLK1)									Prepared: 07/25/24 Analyzed: 07/25/24
Chloride	ND	20.0							
LCS (2430110-BS1)									Prepared: 07/25/24 Analyzed: 07/25/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2430110-MS1)				**Source: E407187-04**					Prepared: 07/25/24 Analyzed: 07/25/24
Chloride	14100	200	250	13200	376	80-120			M4
Matrix Spike Dup (2430110-MSD1)				**Source: E407187-04**					Prepared: 07/25/24 Analyzed: 07/25/24
Chloride	12200	200	250	13200	NR	80-120	15.0	20	M4

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	07/30/24 08:43

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page 7 of 9

Client:	ATHENS ENG
Project:	BADGER 34D
Project Manager:	
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E407187 | Job Number 20071-0001

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
11:03	7/22	S	1 2oz	C57	1	X	X	X			X	
11:05				C58	2	X	X	X			X	
11:02				C59	3	X	X	X			X	
10:38				SW5	4	X	X	X			X	
10:32				SW6	5	X	X	X			X	
10:35				SW7	6	X	X	X			X	
11:27				SW8	7	X	X	X			X	
11:17				SW9	8	X	X	X			X	
11:14				SW10	9	X	X	X			X	
11:21				SW11	10	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/23	0851	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645		7.23.24	1715
	7.23.24	2330	Khyph R Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

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Client: Atkins	Bill To	Lab Use Only		TAT	EPA Program
Project: Bandit SWD	Attention:	Lab WO# E407187	Job Number 20071-0001	1D / 2D / 3D / Standard: X (Standard)	CWA / SDWA
Project Manager:	Address:	Analysis and Method			RCRA
Address:	City, State, Zip				State: NM / CO / UT / AZ / TX
City, State, Zip	Phone:				
Phone:	Email:				
Email:					
Report due by:					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						Remarks
11:24	7/22	S	1 2oz	SW12	11	X	X	X			X						
13:23	↓	↓	↓	SW13	12	X	X	X			X						
13:31	↓	↓	↓	SW14	13	X	X	X			X						
13:32	↓	↓	↓	PST 1	14	X	X	X			X						
13:34	↓	↓	↓	PST 2	15	X	X	X			X						
/	↓	↓	↓	PST 3	16	X	X	X			X						
/	↓	↓	↓	PST 4	17	X	X	X			X						
13:23	↓	↓	↓	C 80	18	X	X	X			X						
13:24	↓	↓	↓	C 81	19	X	X	X			X						
13:25	↓	↓	↓	C 82	20	X	X	X			X						

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/23	6:55	Michelle Gonzales	7-23-24	0915
Michelle Gonzales	7-23-24	1645	A.M.	7.23.24	1715
A.M.	7.23.24	2330	[signature] R Hall	7-24-24	0500

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

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

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

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

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Project Information | Chain of Custody | Page 9 of 9

Client: Atkins Eng	Bill To	Lab Use Only	TAT / EPA Program
Project: Baudet SWD	Attention:	Lab WO# E407187	Job Number 20071-0001
Project Manager:	Address:	1D 2D 3D Standard: X	CWA / SDWA / RCRA
Address:	City, State, Zip	Analysis and Method	State: NM CO UT AZ TX
City, State, Zip	Phone:		
Phone:	Email:		
Email:			
Report due by:			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
13:15	7/22	S	1 2oz	C83	21	X	X	X			X	
13:25				C84	22	X	X	X			X	
13:28				C85	23	X	X	X			X	
13:27				C86	24	X	X	X			X	
13:24				C87	25	X	X	X			X	
13:28				C88	26	X	X	X			X	
13:30				C89	27	X	X	X			X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	7/23	0730	Michelle Gonzales	7.23.24	0915
Michelle Gonzales	7-23-24	1645		7.23.24	1715
	7.23.24	2330	Kayla L Hall	7-24-24	0502

Lab Use Only: Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 7/24/2024 9:06:59AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/24/24 05:00	Work Order ID:	E407187
Phone:	(575) 626-3993	Date Logged In:	07/23/24 16:26	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	07/30/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courrier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Bandit SWD has been separated into multiple WO due to high sample volume. WO are E407184-E407187. Sampled by name is missing in COC by client.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E409028
Job Number:	20071-0001
Received:	9/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/24

Date Reported: 9/11/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E409028
Date Received: 9/6/2024 7:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2024 7:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	09/11/24 13:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 1	E409028-01A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 2	E409028-02A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 3	E409028-03A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 4	E409028-04A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 5	E409028-05A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 6	E409028-06A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 7	E409028-07A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 8	E409028-08A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 9	E409028-09A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 10	E409028-10A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 11	E409028-11A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 12	E409028-12A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 13	E409028-13A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 14	E409028-14A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 15	E409028-15A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 16	E409028-16A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 17	E409028-17A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 18	E409028-18A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 19	E409028-19A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 20	E409028-20A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 1

E409028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*92.6 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**24.7**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 2

E409028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*84.2 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 3

E409028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*89.5 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**26.9**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 4

E409028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*83.8 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**28.0**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 5

E409028-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*81.7 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**316**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 6

E409028-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*85.4 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**288**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 7

E409028-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*88.2 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**135**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 8

E409028-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*88.7 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**25.7**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 9

E409028-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/08/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/08/24	H1
Surrogate: n-Nonane		*82.3 %*	*50-200*	*09/06/24*	*09/08/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**864**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 10

E409028-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*86.5 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**657**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 11

E409028-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*87.7 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**1180**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 12

E409028-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*87.8 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**1440**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 13

E409028-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*85.5 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**2050**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 14

E409028-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*79.4 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**1870**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 15

E409028-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*82.3 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**2000**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 16

E409028-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*81.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**373**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 17

E409028-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*81.9 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**802**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 18

E409028-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*82.2 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**682**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 19

E409028-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*79.9 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**105**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

SP 20

E409028-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Benzene	ND	0.0250	1	09/06/24	09/07/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/07/24	H1
Toluene	ND	0.0250	1	09/06/24	09/07/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/07/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/07/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/07/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436057
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/07/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*09/06/24*	*09/07/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436060
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.5 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436061
Chloride	**578**	20.0	1	09/06/24	09/06/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436057-BLK1)									Prepared: 09/06/24 Analyzed: 09/07/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
LCS (2436057-BS1)									Prepared: 09/06/24 Analyzed: 09/07/24
Benzene	5.73	0.0250	5.00		115	70-130			
Ethylbenzene	5.48	0.0250	5.00		110	70-130			
Toluene	5.64	0.0250	5.00		113	70-130			
o-Xylene	5.52	0.0250	5.00		110	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.6	0.0250	15.0		111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.08*		*8.00*		*101*	*70-130*			
Matrix Spike (2436057-MS1)				**Source: E409028-07**					Prepared: 09/06/24 Analyzed: 09/07/24
Benzene	4.78	0.0250	5.00	ND	95.7	54-133			
Ethylbenzene	4.61	0.0250	5.00	ND	92.1	61-133			
Toluene	4.72	0.0250	5.00	ND	94.3	61-130			
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131			
p,m-Xylene	9.37	0.0500	10.0	ND	93.7	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			
Matrix Spike Dup (2436057-MSD1)				**Source: E409028-07**					Prepared: 09/06/24 Analyzed: 09/07/24
Benzene	5.04	0.0250	5.00	ND	101	54-133	5.12	20	
Ethylbenzene	4.84	0.0250	5.00	ND	96.7	61-133	4.89	20	
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	5.01	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	63-131	4.87	20	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	4.73	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131	4.78	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436057-BLK1)									Prepared: 09/06/24 Analyzed: 09/07/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2436057-BS2)									Prepared: 09/06/24 Analyzed: 09/07/24
Gasoline Range Organics (C6-C10)	36.4	20.0	50.0		72.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
Matrix Spike (2436057-MS2)				**Source: E409028-07**					Prepared: 09/06/24 Analyzed: 09/07/24
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2436057-MSD2)				**Source: E409028-07**					Prepared: 09/06/24 Analyzed: 09/07/24
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.2	70-130	5.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436060-BLK1)									Prepared: 09/06/24 Analyzed: 09/08/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.1*		*50.0*		*92.2*	*50-200*			
LCS (2436060-BS1)									Prepared: 09/06/24 Analyzed: 09/08/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.7	38-132			
Surrogate: n-Nonane	*42.8*		*50.0*		*85.6*	*50-200*			
Matrix Spike (2436060-MS1)				**Source: E409028-03**					Prepared: 09/06/24 Analyzed: 09/08/24
Diesel Range Organics (C10-C28)	212	25.0	250	ND	84.9	38-132			
Surrogate: n-Nonane	*47.6*		*50.0*		*95.3*	*50-200*			
Matrix Spike Dup (2436060-MSD1)				**Source: E409028-03**					Prepared: 09/06/24 Analyzed: 09/08/24
Diesel Range Organics (C10-C28)	220	25.0	250	ND	88.1	38-132	3.80	20	
Surrogate: n-Nonane	*47.5*		*50.0*		*95.1*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 1:38:48PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436061-BLK1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	ND	20.0							
LCS (2436061-BS1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2436061-MS1)				**Source: E409028-04**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	275	20.0	250	28.0	99.0	80-120			
Matrix Spike Dup (2436061-MSD1)				**Source: E409028-04**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	276	20.0	250	28.0	99.0	80-120	0.0305	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	09/11/24 13:38

H1	Sample was received past holding time and analyzed per client request.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409028	Job Number 20071-0001	ID / 2D / 3D / Std:	NM / CO / UT / TX: x
Project Name: Bandit SWD	Address:			
Project Manager: Austin Weyant	City, State, Zip:			
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
SMW 8/22		S	1	SP1		1	X	X	X			X						
				SP2		2	X	X				X						
				SP3		3	X	X				X						
				SP4		4	X	X				X						
				SP5		5	X	X				X						
				SP6		6	X	X				X						
				SP7		7	X	X				X						
				SP8		8	X	X				X						
				SP9		9	X	X				X						
				SP10		10	X	X				X						

EPA Program		
SDWA	CWA	RCRA
Compliance	Y or N	
PWSID #		

Additional Instructions:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	SMW 8/22/24	3:15pm		9.5.24	1130
	9.5.24	1600	J.M.	9.5.24	1730
J.M.	9.5.24	2400		09/06/24	700

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

Lab Use Only
Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

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

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

2/8

Client Information	Invoice Information	Lab Use Only		TAT				State			
Client: Atkins	Attention:	Lab WO# E409028	Job Number 20071-0001	ID	2D	3D	Std	NM	CO	UT	TX
Project Name: Bandit SWD	Address:							x			
Project Manager: Austin Weyant	City, State, Zip:										
Address: 2904 W 2nd	Phone:										
City, State, Zip: Roswell	Email:										
Phone: 575-626-3993	Miscellaneous:										
Email: sampling@atkinseng.com											

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information / **Analysis and Method**

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
	8/22	S	1	SP11		11	X	X	X			X						
	↓	↓	↓	SP12		12	X	X	↓			X						
	↓	↓	↓	SP13		13	X	X	↓			X						
	↓	↓	↓	SP14		14	X	X	↓			X						
	↓	↓	↓	SP15		15	X	X	↓			X						
	↓	↓	↓	SP16		16	X	X	↓			X						
	↓	↓	↓	SP17		17	X	X	↓			X						
	↓	↓	↓	SP18		18	X	X	↓			X						
	↓	↓	↓	SP19		19	X	X	↓			X						
	↓	↓	↓	SP20		20	X	X	↓			X						

Additional Instructions:

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

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	8/22/24	15:13	[signature]	9.5.24	11:30
[signature]	9.5.24	1100	J.M.	9.5.24	1730
J.M.	9.5.24	2400			
			[signature]	09/06/24	700

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

Lab Use Only

Received on ice: (Y) / N

T1____ T2____ T3____

AVG Temp °C 4.0

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

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 9/11/2024 1:32:51PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	09/06/24 07:00	Work Order ID:	E409028
Phone:	(575) 626-3993	Date Logged In:	09/05/24 16:29	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	09/12/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	No	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	No	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Time sampled is missing on COC by client. Project Bandit SWD has been separated into multiple WO due to high sample volume. WO are E409028-E409031. Samples received past holding time for BTEX, GRO, DRO, ORO. Lab will analyze samples per client request.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E409029
Job Number:	20071-0001
Received:	9/6/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/24

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

Date Reported: 9/11/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E409029
Date Received: 9/6/2024 7:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2024 7:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Table of Contents

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	09/11/24 15:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 21	E409029-01A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 22	E409029-02A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 23	E409029-03A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 24	E409029-04A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 25	E409029-05A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 26	E409029-06A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 27	E409029-07A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 28	E409029-08A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 29	E409029-09A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 30	E409029-10A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 31	E409029-11A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 32	E409029-12A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 33	E409029-13A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 34	E409029-14A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 35	E409029-15A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 36	E409029-16A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 37	E409029-17A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 38	E409029-18A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 39	E409029-19A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 40	E409029-20A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 21

E409029-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.3 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**376**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 22

E409029-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*84.5 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**1340**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 23

E409029-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*74.4 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**793**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 24

E409029-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*76.2 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**1080**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 25

E409029-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*80.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**711**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 26

E409029-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.3 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**902**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 27

E409029-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*79.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**2770**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 28

E409029-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*82.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**3900**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 29

E409029-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**1040**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 30

E409029-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/09/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/09/24	H1
Toluene	ND	0.0250	1	09/06/24	09/09/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/09/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/09/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/09/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/09/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*09/06/24*	*09/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*82.4 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**260**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 31

E409029-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*82.2 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**2210**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 32

E409029-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**1470**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 33

E409029-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*79.9 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**3750**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 34

E409029-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*86.8 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**2530**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 35

E409029-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*77.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**247**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 36

E409029-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*81.1 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**2360**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 37

E409029-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*83.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**1340**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 38

E409029-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*72.5 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**325**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 39

E409029-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*79.6 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**3160**	40.0	2	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

SP 40

E409029-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2436058
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436065
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/09/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/09/24	H1
Surrogate: n-Nonane		*86.1 %*	*50-200*	*09/06/24*	*09/09/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436062
Chloride	**2770**	40.0	2	09/06/24	09/06/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436058-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.23*		*8.00*		*103*	*70-130*			
LCS (2436058-BS1)									Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.90	0.0250	5.00		97.9	70-130			
Ethylbenzene	5.00	0.0250	5.00		99.9	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.35*		*8.00*		*104*	*70-130*			
Matrix Spike (2436058-MS1)				**Source: E409029-10**					Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.73	0.0250	5.00	ND	94.6	54-133			
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.85	0.0250	5.00	ND	96.9	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			
Matrix Spike Dup (2436058-MSD1)				**Source: E409029-10**					Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.37	0.0250	5.00	ND	87.4	54-133	7.90	20	
Ethylbenzene	4.47	0.0250	5.00	ND	89.5	61-133	7.30	20	
Toluene	4.49	0.0250	5.00	ND	89.8	61-130	7.63	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	7.40	20	
p,m-Xylene	9.13	0.0500	10.0	ND	91.3	63-131	7.24	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.8	63-131	7.29	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.29*		*8.00*		*104*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436058-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			
LCS (2436058-BS2)									Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2436058-MS2)				**Source: E409029-10**					Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike Dup (2436058-MSD2)				**Source: E409029-10**					Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.3	70-130	1.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436065-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*44.7*		*50.0*		*89.5*	*50-200*			
LCS (2436065-BS1)									Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.6	38-132			
Surrogate: n-Nonane	*44.5*		*50.0*		*89.0*	*50-200*			
Matrix Spike (2436065-MS1)				**Source: E409029-01**					Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.9	38-132			
Surrogate: n-Nonane	*46.1*		*50.0*		*92.3*	*50-200*			
Matrix Spike Dup (2436065-MSD1)				**Source: E409029-01**					Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	228	25.0	250	ND	91.1	38-132	4.14	20	
Surrogate: n-Nonane	*45.8*		*50.0*		*91.6*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/11/2024 3:08:27PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436062-BLK1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	ND	20.0							
LCS (2436062-BS1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2436062-MS1)				**Source: E409029-05**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	1010	20.0	250	711	120	80-120			
Matrix Spike Dup (2436062-MSD1)				**Source: E409029-05**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	999	20.0	250	711	115	80-120	1.05	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	09/11/24 15:08

H1	Sample was received past holding time and analyzed per client request.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

3/9

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409029	Job Number 20071-0001	ID / 2D / 3D / Std
Project Name: Bandit SWD	Address:			NM / CO / UT / TX
Project Manager: Austin Weyant	City, State, Zip:			x
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Analysis and Method

EPA Program

SDWA / CWA / RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY	Remarks
5PM	8/22	S	1	SP21		1	X	X	X			X						
				SP22		2	X	X				X						
				SP23		3	X	X				X						
				SP24		4	X	X				X						
				SP25		5	X	X				X						
				SP26		6	X	X				X						
				SP27		7	X	X				X						
				SP28		8	X	X				X						
				SP29		9	X	X				X						
				SP30		10	X	X				X						

Additional Instructions:

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

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/22/24	15:13		9.5.24	1130
	9.5.24	1600	J.M.	9.5.24	1730
J.M.	9.5.24	2400		09/06/24	700

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

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

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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4/8

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409029	Job Number 20071-0001	ID / 2D / 3D / Std	NM / CO / UT / TX
Project Name: Bandit SWD	Address:				x
Project Manager: Austin Weyant	City, State, Zip:				
Address: 2904 W 2nd	Phone:				
City, State, Zip: Roswell	Email:				
Phone: 575-626-3993	Miscellaneous:				
Email: sampling@atkinseng.com					

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtere	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY
1345	8/22	S	1	SP31		11	X	X	X			X					
				SP32		12	X	X				X					
				SP33		13	X	X				X					
				SP34		14	X	X				X					
				SP35		15	X	X				X					
				SP36		16	X	X				X					
				SP37		17	X	X				X					
				SP38		18	X	X				X					
				SP39		19	X	X				X					
				SP40		20	X	X				X					

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions:

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

Sampled by: JMW

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
JMW	8/22	1315	CMA	9.5.24	1130
CMA	9.5.24	1600	J.M.	9.5.24	1730
J.M.	9.5.24	2400	[illegible]	09/06/24	700

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

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

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

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 9/11/2024 3:06:39PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	09/06/24 07:00	Work Order ID:	E409029
Phone:	(575) 626-3993	Date Logged In:	09/05/24 16:29	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	09/12/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	No	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Time sampled is missing on COC by client. Project Bandit SWD has been separated into multiple WO due to high sample volume. WO are E409028-E409031. Samples received past holding time for BTEX, GRO, DRO, ORO. Lab will analyze samples per client request.

Client Instruction

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

Date

envirotech Inc.

Report to:

Austin Weyant

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Atkins Engineering Associates Inc.

Project Name:	Bandit SWD
Work Order:	E409030
Job Number:	20071-0001
Received:	9/6/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/12/24

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

Date Reported: 9/12/24

Austin Weyant
2904 W. 2nd
Roswell, NM 88201

Project Name: Bandit SWD
Workorder: E409030
Date Received: 9/6/2024 7:00:00AM

Austin Weyant,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/6/2024 7:00:00AM, under the Project Name: Bandit SWD.

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

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	09/12/24 16:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP 41	E409030-01A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 42	E409030-02A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 43	E409030-03A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 44	E409030-04A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 45	E409030-05A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 46	E409030-06A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 47	E409030-07A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 48	E409030-08A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 49	E409030-09A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 50	E409030-10A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 51	E409030-11A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 52	E409030-12A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 53	E409030-13A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 54	E409030-14A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 55	E409030-15A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 56	E409030-16A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 57	E409030-17A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 58	E409030-18A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 59	E409030-19A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.
SP 60	E409030-20A	Soil	08/22/24	09/06/24	Glass Jar, 2 oz.

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 41

E409030-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*73.8 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**1700**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 42

E409030-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*76.7 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**1900**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 43

E409030-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*72.6 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**1090**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 44

E409030-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*74.6 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**1360**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 45

E409030-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*72.9 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**425**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 46

E409030-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/09/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/09/24	H1
Toluene	ND	0.0250	1	09/06/24	09/09/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/09/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/09/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/09/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*09/06/24*	*09/09/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/09/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*09/06/24*	*09/09/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*73.3 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**820**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 47

E409030-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*69.1 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**1770**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 48

E409030-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*71.6 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**475**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 49

E409030-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*93.3 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*75.3 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**48.0**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 50

E409030-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*157 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**46.5**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 51

E409030-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.4 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/12/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/12/24	H1
Surrogate: n-Nonane		*68.2 %*	*50-200*	*09/06/24*	*09/12/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**22.8**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 52

E409030-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*77.9 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**21.8**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 53

E409030-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*80.9 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**37.3**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 54

E409030-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*84.5 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 55

E409030-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.1 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*74.9 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 56

E409030-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*79.3 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	**108**	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 57

E409030-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*76.3 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 58

E409030-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.1 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*69.8 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 59

E409030-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*71.9 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

Sample Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

SP 60

E409030-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Benzene	ND	0.0250	1	09/06/24	09/10/24	H1
Ethylbenzene	ND	0.0250	1	09/06/24	09/10/24	H1
Toluene	ND	0.0250	1	09/06/24	09/10/24	H1
o-Xylene	ND	0.0250	1	09/06/24	09/10/24	H1
p,m-Xylene	ND	0.0500	1	09/06/24	09/10/24	H1
Total Xylenes	ND	0.0250	1	09/06/24	09/10/24	H1
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG			Batch: 2436059
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/06/24	09/10/24	H1
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*09/06/24*	*09/10/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2436067
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/24	09/10/24	H1
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/24	09/10/24	H1
Surrogate: n-Nonane		*79.8 %*	*50-200*	*09/06/24*	*09/10/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2436070
Chloride	ND	20.0	1	09/06/24	09/06/24	

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436059-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.31*		*8.00*		*91.4*	*70-130*			
LCS (2436059-BS1)									Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.18	0.0250	5.00		83.7	70-130			
Ethylbenzene	4.37	0.0250	5.00		87.5	70-130			
Toluene	4.36	0.0250	5.00		87.3	70-130			
o-Xylene	4.42	0.0250	5.00		88.3	70-130			
p,m-Xylene	8.91	0.0500	10.0		89.1	70-130			
Total Xylenes	13.3	0.0250	15.0		88.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike (2436059-MS1)				**Source: E409030-06**					Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.07	0.0250	5.00	ND	81.5	54-133			
Ethylbenzene	4.25	0.0250	5.00	ND	84.9	61-133			
Toluene	4.25	0.0250	5.00	ND	84.9	61-130			
o-Xylene	4.32	0.0250	5.00	ND	86.3	63-131			
p,m-Xylene	8.65	0.0500	10.0	ND	86.5	63-131			
Total Xylenes	13.0	0.0250	15.0	ND	86.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.41*		*8.00*		*92.6*	*70-130*			
Matrix Spike Dup (2436059-MSD1)				**Source: E409030-06**					Prepared: 09/06/24 Analyzed: 09/09/24
Benzene	4.02	0.0250	5.00	ND	80.4	54-133	1.29	20	
Ethylbenzene	4.21	0.0250	5.00	ND	84.2	61-133	0.784	20	
Toluene	4.20	0.0250	5.00	ND	84.1	61-130	1.00	20	
o-Xylene	4.26	0.0250	5.00	ND	85.3	63-131	1.22	20	
p,m-Xylene	8.59	0.0500	10.0	ND	85.9	63-131	0.699	20	
Total Xylenes	12.9	0.0250	15.0	ND	85.7	63-131	0.871	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.39*		*8.00*		*92.3*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436059-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2436059-BS2)									Prepared: 09/06/24 Analyzed: 09/10/24
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.02*		*8.00*		*100*	*70-130*			
Matrix Spike (2436059-MS2)				**Source: E409030-06**					Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	40.1	20.0	50.0	ND	80.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.4*	*70-130*			
Matrix Spike Dup (2436059-MSD2)				**Source: E409030-06**					Prepared: 09/06/24 Analyzed: 09/09/24
Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	81.0	70-130	0.989	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.85*		*8.00*		*98.1*	*70-130*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436067-BLK1)									Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*37.9*		*50.0*		*75.8*	*50-200*			
LCS (2436067-BS1)									Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	182	25.0	250		72.8	38-132			
Surrogate: n-Nonane	*38.4*		*50.0*		*76.8*	*50-200*			
Matrix Spike (2436067-MS1)				**Source: E409030-05**					Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	183	25.0	250	ND	73.1	38-132			
Surrogate: n-Nonane	*38.2*		*50.0*		*76.4*	*50-200*			
Matrix Spike Dup (2436067-MSD1)				**Source: E409030-05**					Prepared: 09/06/24 Analyzed: 09/09/24
Diesel Range Organics (C10-C28)	202	25.0	250	ND	80.8	38-132	10.0	20	
Surrogate: n-Nonane	*40.1*		*50.0*		*80.2*	*50-200*			

QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	**Reported:**
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Austin Weyant	9/12/2024 4:45:41PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2436070-BLK1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	ND	20.0							
LCS (2436070-BS1)									Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2436070-MS1)				**Source: E409030-03**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	1350	20.0	250	1090	102	80-120			
Matrix Spike Dup (2436070-MSD1)				**Source: E409030-03**					Prepared: 09/06/24 Analyzed: 09/06/24
Chloride	1350	20.0	250	1090	105	80-120	0.604	20	

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

Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Bandit SWD	
2904 W. 2nd	Project Number:	20071-0001	**Reported:**
Roswell NM, 88201	Project Manager:	Austin Weyant	09/12/24 16:45

H1	Sample was received past holding time and analyzed per client request.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

5/8

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Atkins	Attention:	Lab WO# E409030	Job Number 20071-0001	ID / 2D / 3D / Std
Project Name: Bandit SWD	Address:			NM / CO / UT / TX
Project Manager: Austin Weyant	City, State, Zip:			x
Address: 2904 W 2nd	Phone:			
City, State, Zip: Roswell	Email:			
Phone: 575-626-3993	Miscellaneous:			
Email: sampling@atkinseng.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY
SAM	8/22	S	1	SP41		1	X	X	X			X					
				SP42		2	X	X				X					
				SP43		3	X	X				X					
				SP44		4	X	X				X					
				SP45		5	X	X				X					
				SP46		6	X	X				X					
				SP47		7	X	X				X					
				SP48		8	X	X				X					
				SP49		9	X	X				X					
				SP50		10	X	X				X					

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance Y or N

PWSID #

Remarks

Additional Instructions:

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

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	8/22	1315		9.5.24	1730
	9.5.24	1600	J.H.	9.5.24	1730
J.H.	9.5.24	2400		09/06/24	700

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

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4.0

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

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

6/8

Client Information	Invoice Information	Lab Use Only		TAT				State					
Client: Atkins	Attention:	Lab WO# E409030	Job Number 20071-0001	1D	2D	3D	Std	NM	CO	UT	TX		
Project Name: Bandit SWD	Address:							x					
Project Manager: Austin Weyant	City, State, Zip:												
Address: 2904 W 2nd	Phone:												
City, State, Zip: Roswell	Email:												
Phone: 575-626-3993	Miscellaneous:												
Email: sampling@atkinseng.com													

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Filtered	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TDS/TSS	200.7 TOTAL METALS	300.0 ANIONS	ALKALINITY	TOTAL MERCURY
1300	8/12	S	1	SP 51		11	X	X	X			X					
				SP 52		12	X	X				X					
				SP 53		13	X	X				X					
				SP 54		14	X	X				X					
				SP 55		15	X	X				X					
				SP 56		16	X	X				X					
				SP 57		17	X	X				X					
				SP 58		18	X	X				X					
				SP 59		19	X	X				X					
				SP 60		20	X	X				X					

EPA Program				
SDWA	CWA	RCRA		
Compliance	Y	or	N	
PWSID #				

Remarks

Additional Instructions:

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

Relinquished by: (Signature)	Date 8/12	Time 13:15	Received by: (Signature)	Date 9.5.24	Time 1130	
Relinquished by: (Signature)	Date 9.5.24	Time 1400	Received by: (Signature)	Date 9.5.24	Time 1730	
Relinquished by: (Signature)	Date 9.5.24	Time 2400	Received by: (Signature)	Date 09/06/24	Time 700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

Lab Use Only
Received on ice: (Y) / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4.0

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

Note: Samples are discarded 20 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 9/11/2024 3:24:21PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	09/06/24 07:00	Work Order ID:	E409030
Phone:	(575) 626-3993	Date Logged In:	09/05/24 16:30	Logged In By:	Noe Soto
Email:	austin@atkinseng.com	Due Date:	09/12/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes
2. Does the number of samples per sampling site location match the COC	Yes
3. Were samples dropped off by client or carrier?	Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	No

Carrier: Courier

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	No

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No
29. Was a subcontract laboratory specified by the client and if so who?	NA

Subcontract Lab: NA

Comments/Resolution

Time sampled is missing on COC by client. Project Bandit SWD has been separated into multiple WO due to high sample volume. WO are E409028-E409031. Samples received past holding time for BTEX, GRO, DRO, ORO. Lab will analyze samples per client request.

Client Instruction

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

Date

envirotech Inc.

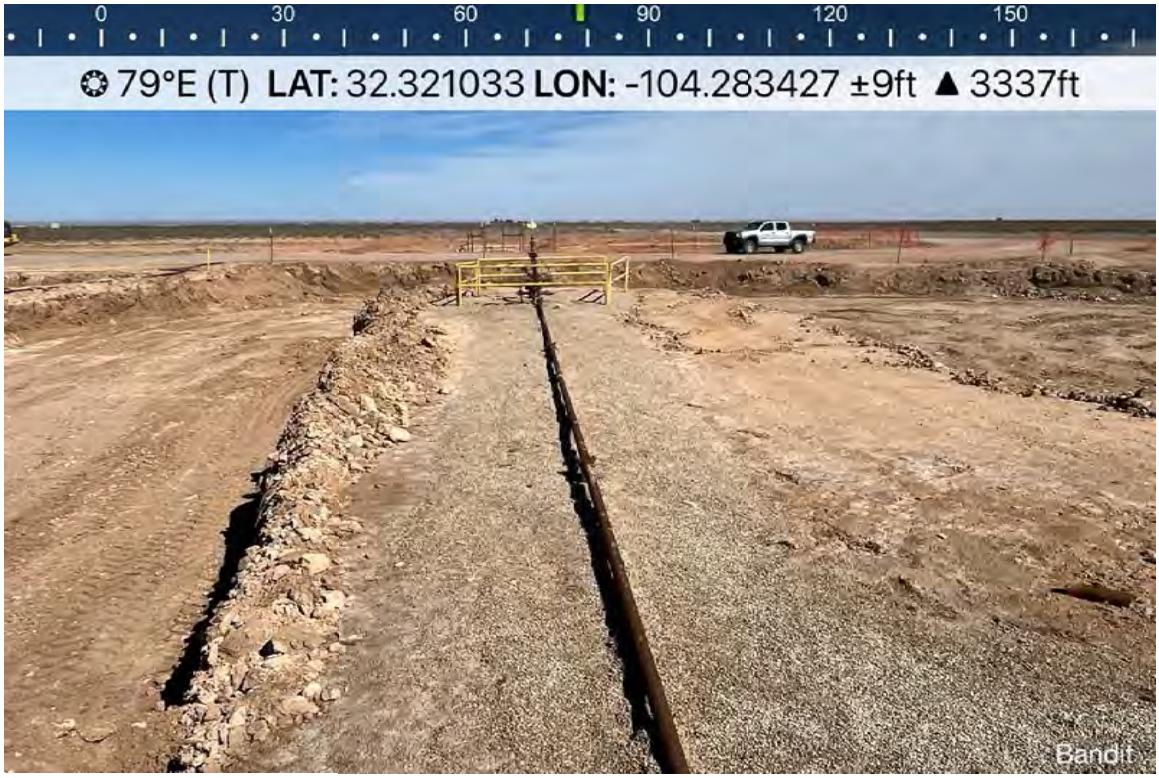
Appendix D
Photographic Log

180
210
240
270
300
330
258°W (T) LAT: 32.320901 LON: -104.282948 ±13ft ▲ 3319ft
Bandit 1

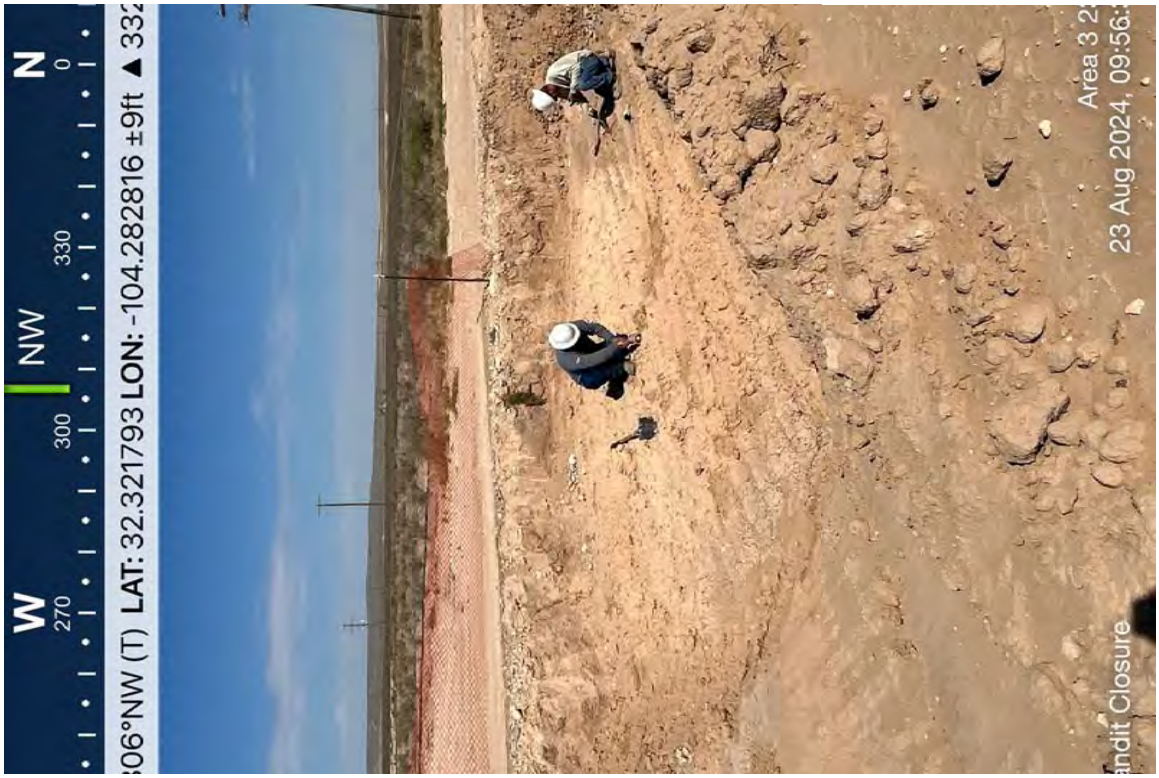
210
240
270
300
330
0
295°NW (T) LAT: 32.320923 LON: -104.282983 ±9ft ▲ 3321ft
Bandit 1

60
90
120
150
180
210
130°SE (T) LAT: 32.321232 LON: -104.282877 ±16ft ▲ 3325ft
Bandit

180
210
240
300
330
0
271°W (T) LAT: 32.321195 LON: -104.283043 ±9ft ▲ 3327ft
Bandit

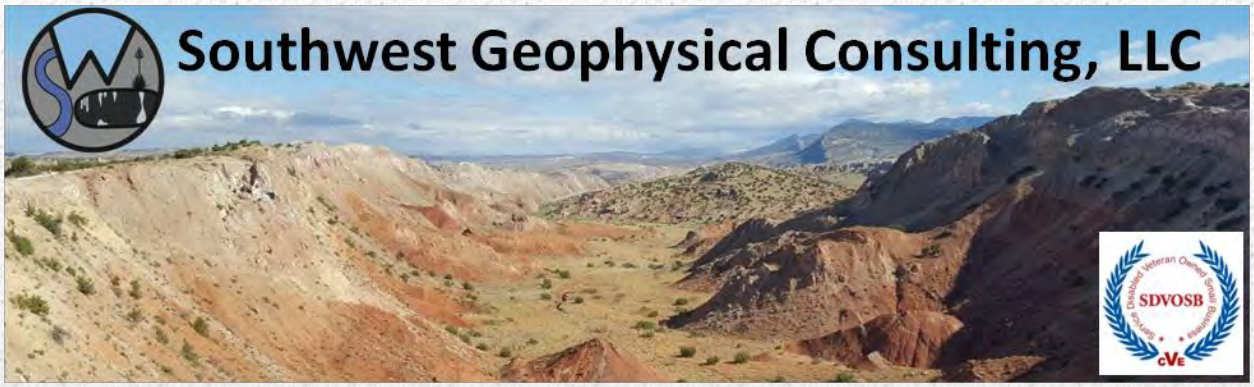

0
30
60
90
120
150
79°E (T) LAT: 32.321033 LON: -104.283427 ±9ft ▲ 3337ft
Bandit


120
150
180
210
240
270
204°SW (T) LAT: 32.321045 LON: -104.282610 ±9ft ▲ 3335ft
Area 1 2100ft


W
270
300
NW
330
N
0
06°NW (T) LAT: 32.321793 LON: -104.282816 ±9ft ▲ 332
Area 3 2
23 Aug 2024, 09:56:
indit Closure


Area 2 1300
210
240
270
300
330
0
30
300°NW (T) LAT: 32.321166 LON: -104.282684 ±13ft ▲ 3325ft

Appendix E
Cave and Karst Resource Inventory Report



Cave and Karst Resource Inventory Report
Bandit State SWD #001 and
Saragossa 10 State #002 and #003
Eddy County, New Mexico

Prepared for:

Atkins Engineering Associates, Inc.
213 West Mermod Street
Carlsbad NM 88220

☐ **Positive within 200 feet of release footprint**

☑ **Negative within 200 feet of release footprint**

May 20, 2024

ATKE-002-20240312

Published by:
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MMXXIV

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1.0 INTRODUCTION

An environmental karst survey was commissioned by Atkins Engineering Associates, Inc. (hereinafter referred to as "the client"), on March 12, 2024, for the purpose of determining what, if any, karst-related surface features are present within a 200-foot boundary surrounding the Bandit State SWD #001 and Saragossa 10 State #002 and #003 release areas (hereinafter termed “BAST-SARG”).

As indicated in section ***1.3 Affected Environment***, the bedrock and overlying soil at the survey site are susceptible to sinkhole development and karst features may be hidden beneath the existing soil stratum. Risk associated with sinkhole formation can be minimized during remediation by careful excavation of the spill site and the control of site hydrology. The owner/developer must recognize, however, that a risk of sinkhole-induced damage to infrastructure does exist even after remediation. If remediation measures have not already been conducted, performing a geophysical survey to determine if subsurface karst development exists for personnel and equipment safety should be considered.

1.1 Goals of this Study

To provide the client with the location, description, photos, and boundaries of any surface karst-related features within a 200-meter survey boundary for the BAST-SARG project as provided by the client via e-mail on March 12, 2024.

1.2 Summary of Findings

One recognized surface karst feature is located within the pedestrian survey area. **There are no surface karst features within 200 feet of the release footprint for any of the pads included in this report.** This location is within a Bureau of Land Management designated Medium Karst Occurrence Zone.

The presence of this and nearby surface features indicates that this area is karstified and may contain buried karst features. Caution should be exercised while clearing brush and during any excavation or remediation operations. Employing a Bureau of Land Management approved karst monitor on site during remediation operations should be considered. **Conducting a geophysical survey to determine if subsurface karst development exists at this location should be considered for the safety of equipment operators.** Please see the section entitled ***2.4 Description of Karst Features*** and **Table 2** for details on the feature located.

1.3 Affected Environment

The proposed BAST-SARG project is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The three primary concerns in these types of terrain are environmental issues, worker safety, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers[1]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)[2] (**Figure 1**).

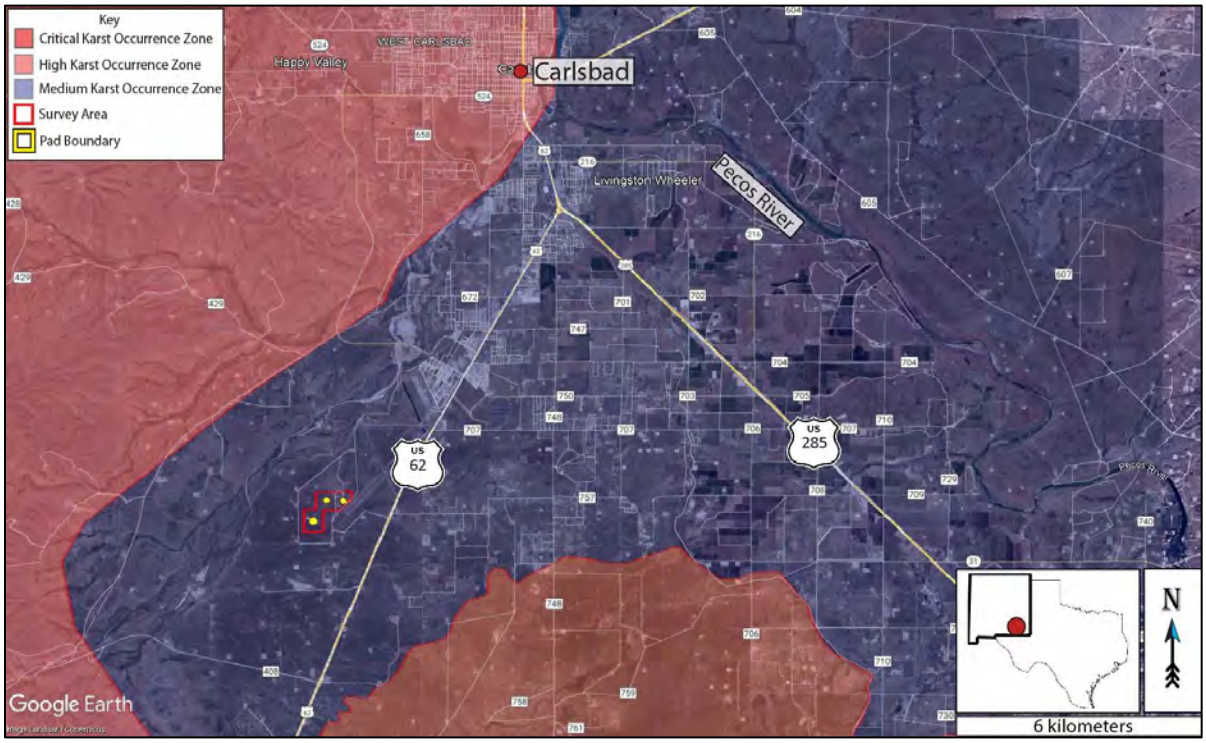

Figure 1: Karst occurrence overview. Background image: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff[1].

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of Atkins Engineering Associates, Inc., in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information.

To the best of our knowledge, information contained in this report is accurate at the date of issue; however, conditions on the site can change in a limited time and, therefore, the information in this report shall not be used beyond three years past the date of imagery collection (see section ***2.3 Description of Survey***).

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The BAST-SARG project site is located in Eddy County, New Mexico, 10.0 kilometers (6.2 miles) southwest of Carlsbad, New Mexico, on the south end and west of runway 3 of the Cavern City Airport (**Figure 1** and **Figure 2**). The site is located within section 10 of NM T23S R26E[3]. The region is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January[4]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map[5] and the vegetation consists mostly of areas of grass, sparse creosote, and sparse yucca, with very good visibility in most locations. See section ***2.2 Local Geology*** for the geology of the area. The entirety of the survey is within an MKOZ (**Figure 1**) and within both NMSLO and privately managed land (**Figure 2**).

Figure 2: Land ownership[6] and PLSS[3] overview. Background image credit: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

2.2 Local Geology

The area surveyed for the BAST-SARG project is located east of Dark Canyon Draw at an elevation of 1,007 meters (3,303 feet), ± 5 meters (16.4 feet), within an area underlain by the Permian Rustler Formation (Pru, covered by Quaternary deposits in the below image). The area is mantled by thin gypsiferous soils and Quaternary alluvial gravels (Qp)[7] between 0 and 6 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies and is composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite and gypsum[8], and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members).

The Pru overlies the Permian Salado Formation (Psl), a layer of extremely soluble halite which can easily be dissolved to create caves, sinkholes, and other karst features[9]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation[10].

This area is moderately karstified and has several sinkholes, swallets, caves, and other karst features nearby. The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale[7].

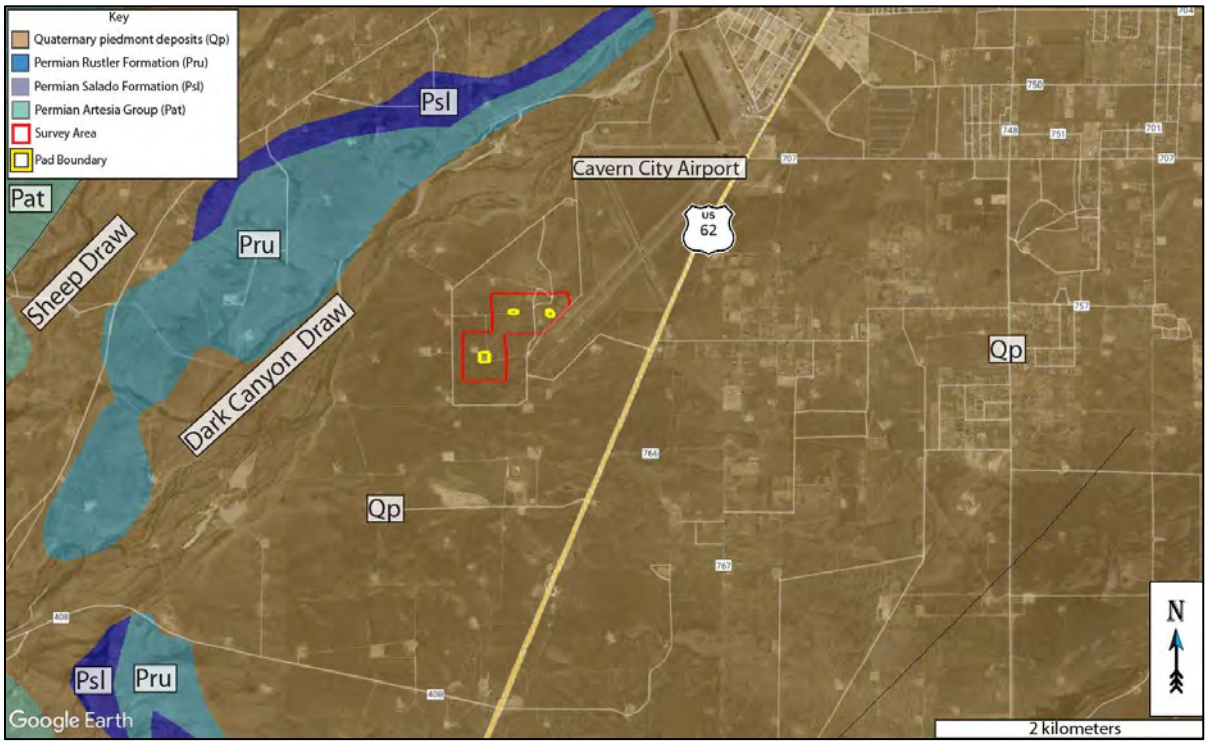

Figure 3: Geology overview. Geology overview. Map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format[7], and Google Earth. Image date: April 15, 2023. Datum: WGS-84.

2.3 Description of Survey

This survey was completed by Dave Decker on April 23, 2024. For this survey, lines were walked in a raster pattern at 50-meter (165-foot) intervals in the designated area, providing 90 to 100% coverage for features greater than 50 centimeters (20 inches) in diameter[11]. The total distance walked was 12.2 kilometers (7.6 miles) and the total area covered was 0.6 square kilometers (148 acres) (**Table 1** and **Figure 4**).

Prior to conducting the pedestrian karst survey, a surface karst desk study was performed by Southwest Geophysical Consulting. The study was performed using satellite and aerial imagery from Google Earth Pro dated April 15, 2023 (please note features less than one meter in diameter are generally not visible); the Southwest Geophysical Cave and Karst Database dated January 31, 2024; and the Kitchen Cove, NM, 1:24,000 quad, 1985, USGS topographic map. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

Table 1: Pedestrian Survey Track Data Files

File Name	Surveyor	Date	Length (km/miles)	Area (km²/Ac)
SARG D1S1 SRV.kmz	Decker	4/23/2024	12.2/7.6	0.6/148

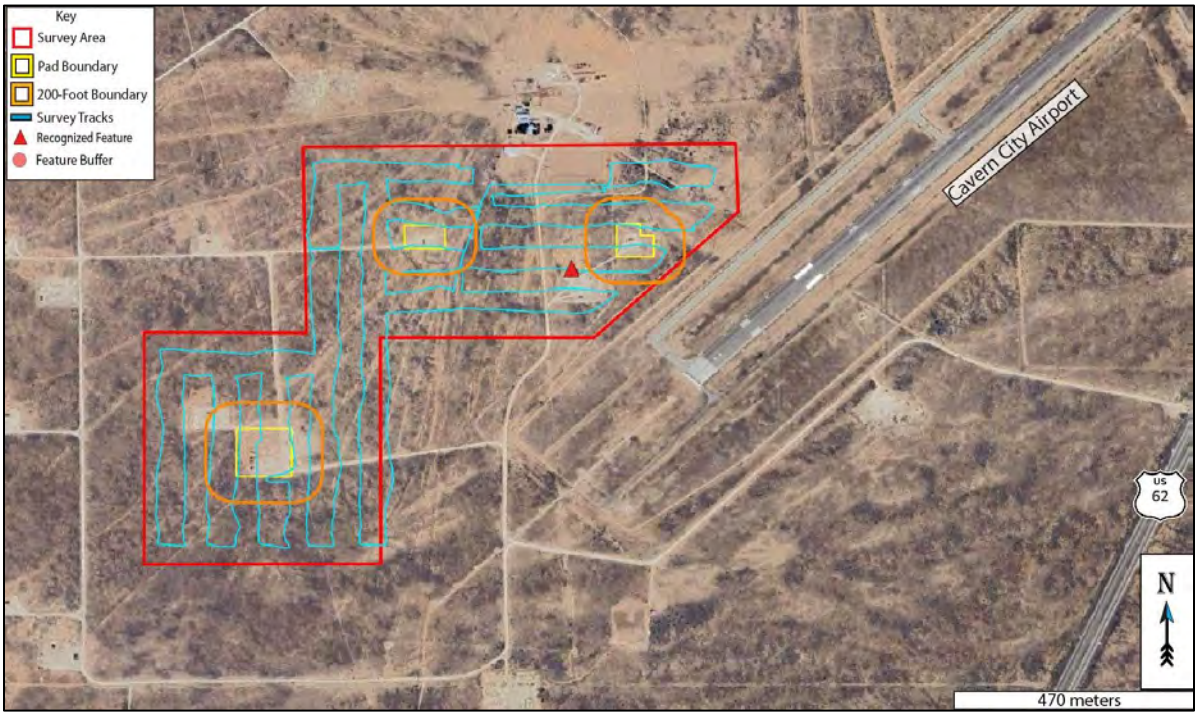

Figure 4: Survey overview. Red polygon is the study area. Blue wavy lines are the actual survey lines walked by Decker. Red triangle is the located karst feature. Red translucent circle is the buffer zone for the karst features (10 meters in diameter for this feature, hidden beneath the feature symbol in the image). See accompanying data files ATKE-002-20240312_SARG_Data_Files for more details. Background image credit: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

2.4 Description of Karst Features

One surface karst feature is located within the pedestrian survey area for the BAST-SARG project site (**Figure 4** and **Table 2**). Please be aware that the area is karstified and may contain buried karst features. Caution is advised during brush clearing and excavation. Employing a BLM-CFO approved karst monitor on site during these operations should be considered.

Table 2: Karst Feature Data Table

Feature ID	Type	Size (m)	Buffer (m)	Modifier	Easting	Northing
RKF 240423-D01	Suffosion sinkhole	1.2	10	V	568074.366	3576688.557

RKF 240423-D01 (**Figure 5**) is a 1.2-meter-diameter, 50-centimeter-deep suffosion sinkhole on the north side of an active pad. This feature was investigated after the pedestrian survey as a possible anthropogenic feature due to its location on what appears to be a reclaimed pad. After further research, it appears that the pad was cleared in 1995, but never used, which leads me to speculate that the karst feature was likely revealed during brush clearing, subsequently filled in, and the location abandoned. The nearest release location to this feature is Saragossa State 10 #003 which is 130 meters (428 feet) northeast. This feature warrants a 10-meter buffer.

Figure 5: RKF 240423-D01: Example of a suffosion sinkhole. Please note that this image is of another similar feature in a similar orientation to a pad and is NOT RKF 240423-D01. Unfortunately, the photos taken during this survey were inadvertently deleted during downloading.

3.0 RECOMMENDATIONS

3.1 Summary

- One recognized surface karst feature is located within the survey area.
- This surface karst feature is NOT within 200 feet (61 meters) of the release perimeter.
- **Consider this feature and whether surface flow may impact or has already impacted it during site and remediation planning.**
- **To check the area for subsurface karst development (prove stable ground at this location), a geophysical survey within the horizontal delineation of the release should be considered.**
- The presence of these and other nearby surface karst features indicates that this area is karstified and may contain buried karst features.
- Caution should be exercised while clearing brush and during any excavation, trenching, drilling, or remediation operations.
- Employing a BLM-CFO approved karst monitor during excavation or remediation operations near these features should be considered.

3.2 Best Practices

This area may be prone to rapid karst formation in the underlying stratigraphy and warrants careful planning and engineering to mitigate karst-forming processes that could be accelerated by poor design considerations. Proper engineering of petroleum-related facilities following karst guidelines should be implemented during both excavation and construction. Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Keep in mind that any flow of gypsum-undersaturated waters into a small crack or crevice can rapidly dissolve any underlying gypsum and cause failure of an impoundment or infrastructure within a matter of months to a few years. It is imperative that any dikes, buffers, or liners installed are checked regularly for integrity, with repairs made immediately upon discovery of failure.

Vigilance during construction is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst vendor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports for the BLM-CFO should be submitted to:

blm_nm_karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

4.0 REFERENCES

1 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).

2 Rybacki, K. (Bureau of Land Management - Carlsbad Field Office, 2020).

3 Earthpoint. *Earthpoint Tools for Google Earth*, <https://www.earthpoint.us/Townships.aspx> (2022).

4 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).

5 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*. (2010).

6 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2016).

7 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*, <https://mrdata.usgs.gov/geology/state/state.php?state=NM> (1997).

8 Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).

9 Johnson, K. S. Evaporite Karst in the United States. *Carbonates and Evaporites* **12**, 2-14 (1997).

10 Hills, J. M. in *Assessment of Effectiveness of Geologic Isolation Systems* (eds B.L. Scott, G.L. Benson, R.A. Craig, & M.A. Harwell) (Pacific Northwest Laboratory, 1979).

11 Stafford, K. W., Rosales-Lagarde, L. & Boston, P. J. Castile Evaporite Karst Potential Map of the Gypsum Plain, Eddy County, New Mexico and Culberson County, Texas: A GIS Methodological Comparison. *Journal of Cave and Karst Studies* **70**, 35 - 46 (2008).

5.0 GLOSSARY OF TERMS AND ABBREVIATIONS

ACEC	Area of Critical Environmental Concern
AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
DDSG(XX)	Dipole-Dipole, Strong Gradient (XX = number of electrodes)
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
InSAR	Interferometric Synthetic Aperture Radar. A method by which radar signals from satellites are processed to determine the amount and rate of subsidence of an area as well as whether the area is actively subsiding.
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
LED	Locally enclosed depression. A natural depression on the surface that collects rainwater. Some contain swallets and/or caves, others do not.
LKOZ	Low Karst Occurrence Zone
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can’t be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office

Ohm-m	Ohm-meter, a unit of measurement for resistivity. Also sometimes abbreviated Ω-m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation
Pdl	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SKF	Surface Karst Feature
SPAR	Small Party Assisted Rescue
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)

(V)	Field verified modifier for a PKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Raveling of soil into a pre-existing void or fracture.
GPS	Global Positioning System
NMSLO	New Mexico State Land Office
closed depression	A natural depression on the surface that collects rainwater. Some contain swallets and/or caves, others do not.
Pru	Permian Rustler Formation
Psl	Permian Salado Formation
Qal	Quaternary alluvium
Qp	Quaternary piedmont deposits
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed, "meaning they are full of sediment.
WGS	World Geodetic System

6.0 ATTESTATION

David D. Decker, PhD, PG, CPG
Chief Executive Officer, Principal Geologist
Southwest Geophysical Consulting, LLC
5117 Fairfax Dr. NW
Albuquerque, NM 87114
dave@swgeophys.com
(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard (currently in review). I meet the definition of “qualified professional” for the purposes of ASTM E-1527.
- I am responsible for the content, compilation, and editing of all sections of report number ATKE-002-20240312 entitled, “Cave and Karst Resource Inventory Report, Bandit State SWD #001 and Saragossa 10 State #002 and #003, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section ***2.3 Description of Survey***.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, May 20, 2024.

David D. Decker
PhD, CPG-12123

Appendix F
NMOCD Correspondence

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nJMW1217334502

OPERATOR

X Initial Report Final Report

Name of Company Read & Stevens, Inc 18917	Contact Will Palmer
Address PO Box 1719, Lovington, NM 88260	Telephone No. (575) 396-5391
Facility Name Saragossa 10 State Tank Battery	Facility Type tank battery

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. API 30-015-21071 Bandit St Swd #1

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	10	23-S	26-E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release produced oil	Volume of Release ~140 bbls	Volume Recovered 10 bbls
Source of Release Tank bottom developed leak	Date and Hour of Occurrence Between 1000 hours 6.5.12 and 1000 hours 6.6.12	Date and Hour of Discovery 06.6.12 1000 hours
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Mr. Mike Bratcher, OCD	
By Whom? Mr. Will Palmer	Date and Hour 06.6.12 – 1145 hours	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

RECEIVED
JUN 18 2012
NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Pumper started the circulating pump at the facility. A hole developed in the circulating line after the pumper left the location. The bermed area was filled with produced oil which broke over the top of the berm. Remedial action being done involveds replacing the leaking steel nipple.

Describe Area Affected and Cleanup Action Taken.*
The affected area is contained in a 150' x 150' tract. The affected soil is being removed and taken to an OCD approved land farm. Surface soil samples will be taken and checked for hydrocarbon contamination. Fresh topsoil will be purchased, hauled in, and contoured over area. Earthen berms will be rebuilt around the tank battery.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: William V. Palmer	OIL CONSERVATION DIVISION Signed By Mike Bratcher
Printed Name: William V. Palmer	Approved by District Supervisor:
Title: Manager, Production & Completions	Approval Date: JUN 21 2012 Expiration Date:
E-mail Address: WPALMER@READ-STEVENS.COM	Conditions of Approval: Attached ☐
Date: June 11, 2012 Phone: 575.396.5391	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** 7/21/12

2RP-1180

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1921736522
District RP	2RP-5549
Facility ID	
Application ID	pAB1921736242

Release Notification

Responsible Party

Responsible Party Read & Stevens, Inc.	OGRID 18917
Contact Name Kelly Barajas	Contact Telephone 575-624-3760
Contact email kbarajas@read-stevens.com	Incident # *(assigned by OCD)* NAB1921736522
Contact mailing address PO Box 1518, Roswell, NM 88202	

Location of Release Source

Latitude 32.320914 32-19-15.29N NAD 83 Longitude -104.283364 104-17-00.11W

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bandit State #1 SWD	Site Type SWD well
Date Release Discovered 7/16/2019	API# *(if applicable)* 30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy County, NM

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 100	Volume Recovered (bbls) In Progress
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
There was a hole in the discharge line.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1921736522
District RP	2RP-5549
Facility ID	
Application ID	pAB1921736242

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? There was a minimum of 100 bbls of water released from the hole in the discharge line.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By phone, spoke with Robert Hamlet at the OCD office for Eddy County at 11:45 AM on July 16, 2019. Followed up with 3 emails.	

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.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
Joe Tovar is in contact with Republic Backhoe Service to find out when they are available to recover the water and contaminated soil from the release.

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: Kelly Barajas
Title: Production & Regulatory
Signature: KBarajas
Date: July 16, 2019
email: kbarajas@read-stevens.com
Telephone: 575-624-3760

OCD Only

Received by: Amalia Bustamante
Date: 8/5/2019

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAB1922139305
District RP	2RP-5567
Facility ID	
Application ID	pAB1922131667

77K0G-190729-C-1410

Release Notification

Responsible Party

Responsible Party Read & Stevens, Inc.	OGRID 18917
Contact Name Kelly Barajas	Contact Telephone 575-624-3760
Contact email kbarajas@read-stevens.com	Incident # *(assigned by OCD)* NAB1922139305
Contact mailing address PO Box 1518, Roswell, NM 88202	

Location of Release Source

Latitude **32.320914 32-19-15.29N NAD 83** AB

Longitude **-104.283330 104-17-00.11W AB

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bandit State #1 SWD	Site Type SWD well
Date Release Discovered 7/27/2019	API# *(if applicable)* 30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy County, NM

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
One of the fitting valves had a leak.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1922139305
District RP	2RP-5567
Facility ID	
Application ID	pAB1922131667

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? There was a 75 bbls of water released from one of the fittings from a leak.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By phone, spoke with Victoria Venegas at the OCD office in Eddy County at 9:28 AM on July 29, 2019. Followed up with 1 email stating the same.	

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.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
Joe Tovar is in contact with Republic Backhoe Service to find out when they are available to recover the water and contaminated soil from the release.

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: Kelly Barajas
Title: Production & Regulatory
Signature: K Barajas
Date: July 29, 2019
email: kbarajas@read-stevens.com
Telephone: 575-624-3760

OCD Only

Received by: Amalia Bustamante
Date: 8/9/2019

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1625 N. French Dr., Hobbs, NM 88240
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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 237386

QUESTIONS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 237386
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Bandit State SWD #1
Date Release Discovered	07/07/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Fitting | Produced Water | Released: 75 BBL | Recovered: 50 BBL | Lost: 25 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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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 237386
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

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

Initial Response *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 237386
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	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.
☑	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.
☑	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.
☑	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.
☑	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

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 237386
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lfranco	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/13/2023

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Santa Fe, NM 87505

QUESTIONS

Action 243925

QUESTIONS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	SARAGOSSA 10 STATE COM
Date Release Discovered	07/23/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Human Error | Truck | Produced Water | Released: 220 BBL | Recovered: 70 BBL | Lost: 150 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
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)	water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. The total release was 220 bbls of water and 70 bbls were recovered. Everything stayed within the berm, repairs are being made to the tank

District I
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Lauren Franco
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	07/25/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	phone
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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ACKNOWLEDGMENTS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	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.
☑	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.
☑	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.
☑	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.
☑	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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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lfranco	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/25/2023

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

May 30, 2024

#BanditSWD_env_23

3R Operating, LLC
4000 North Big Spring-Suite 210 Midland, TX 79705
Attn: Randy Ferrell

SUBJECT: Remediation Work Plan for the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY Release (nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)** Eddy County, New Mexico

Dear Mr. Anderson,

On behalf of Atkins Engineering Associates INC. (AEA) has prepared this site assessment, field delineation and remediation proposal. Prior communication with the division on the location was for remedial time extension, but due to events out of AEAs control going for straight for remedial closure is no longer applicable. To quickly delineate the multiple releases of liquids related to oil and gas production activities at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY AEA used ***Visual Sample Plan Version 6.0*** (VSP) to define a confidence interval of 90% and sample plan design coupled with an Electromagnetic survey to accurately define the parameters or horizontal boundaries of the soil investigation. The site is in Unit F, Section 10, Township 23S, Range 26E, Eddy County, New Mexico, on State land.

Table 1: summarizes release information and Site Criteria

Table 1: Release Information and Closure Criteria			
Name	BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY	Company	Read & Stevens / 3R Operating
API Number	30-015-21071	Location	32.320914, -104.283330
Incident Number	(nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)**		
Estimated Date of Release	7/27/2019 – 7/13/2023	Date Reported to NMOCD	7/27/2019 – 7/13/2023
Landowner	State	Reported To	NMOCD District 2
Source of Release	Legacy releases from previous operator Read and Stevens OGRID (18917) and current		
NMOCD Closure Criteria	>100 feet to groundwater		

1.0 Background

Atkins Engineering Associates Inc. (AEA) was retained by 3R Operating, LLC (3R) to complete an Environmental Liability Assessment (ELA) study of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY former Read and Stevens oil and gas facilities acquired from Permian Resources Co. The purpose of this study was to identify, to the extent feasible, the environmental liability with respect to the assets located on the subject facilities and contiguous areas. As part of the ELA an Environmental & Administrative Orders search of the New Mexico Oil Conservation Division database was completed for the subject facilities area and then cross-referenced by operator. The search revealed three (3) Remediation Permits issued to the previous owner and/or operator. According to NMOCD documentation initial response activities were conducted by the pervious operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1 illustrates the vicinity and site location. All the C-141 forms are included in Appendix A.

During and soon after the acquisition of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY two releases were discovered at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY and reported to NMOCD (nAPP2319437518) and (NAPP2320640601**).**

Incident NAPP2320640601 was discovered on July,25 2023 and reported to NMOCD the same day. The Cause was a water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. The total release was 220 bbls of water and 70 bbls were recovered. Everything stayed within the berm, repairs are being made to the tank. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

Incident nAPP2319437518 was discovered on July,13 2023 and reported to NMOCD the same day. The Cause was equipment failure at the wellhead causing a release of an estimated 75bbl of Produced Water on the locations pad. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery of an estimated 50 bbls. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

2.0 Site Information and Closure Criteria

The BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY is located approximately 0.75 miles South the city Carlsbad Eddy County, New Mexico on State land at an elevation of approximately 3313 feet above mean sea level (amsl).

Based upon well logs submitted to the New Mexico Office of the State Engineers (NMOSE) (Appendix B), depth to groundwater in the area is estimated to be 245 feet below grade surface (bgs). There are known water sources within ½-mile of the location, according to the NMOSE. Livestock and Domestic wells C2393 and C2382. C2393 was recently gauged by AEA staff on September, 20th 2023 and ground water was found to be 243ft from TOC. The nearest significant watercourse is Dark Canyon, located

approximately 1.0 miles West of the location. Figure 2 illustrates the site with 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Because both well logs are from 1994 the data exceeds the 25-year request by NMOCD, AEA staff contracted the Wells owner Justin Wilson and was granted permission to re-gauge both wells. All NMOCD hydrological and cave and karst setbacks are shown in figures 2-2b. Because the location is within the BLMs Karst Occurrence of medium Karst a **Cave and Karst Resource Inventory** was conducted by Southwest Geophysical Consulting LLC (SGC). The report is in Appendix B.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 5 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B. Figure 1 illustrates the site 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

3.0 Release Characterization and Proposed Remediation Activities

Electromagnetic surveying was used as a “first-pass” investigation to accurately define the parameters or horizontal boundaries of the soil investigation. A Geonics Ltd. EM-38 ground conductivity meter that has been factory calibrated was used on site to collect data.

Figure 1 attached is a product of the fixed-frequency EM method used to map variations in ground conductivity to identify anomalously conductive soils and infer changes in the soil characteristics and composition. This method used portable instrumentation consisting of a transmitter coil and a receiver coil. primary magnetic field from the transmitter coil induces subsurface eddy currents, which in turn generate a secondary magnetic field that is intercepted by the receiver coil. The ratio of the primary and secondary magnetic fields is related to ground conductivity represented as ECa in mS/m.

The conductivity values are not specific values from discrete depths; they are weighted averages of conductivity between the surface and the depth of exploration of the EM field and are termed “apparent conductivities”. The apparent conductivity values obtained are in units of millisiemens per meter (mS/m). The apparent conductivity (ECa) of the soil has been related to the paste extract conductivity {ECe) by the relationship ECa=5ECa (McNeill, 1986a). Table 2 (from McNeill, 1986a) illustrates this general relationship. Measurements are expressed in millisiemens/meter (mS/m).

Table 2: ECe to ECa Conversion

Soil Conductivity vs Salinity (from McNeill, 1986a)			
Salinity (NRCS)	**ECe (mS/cm) (Lab)**	**ECa (mS/m) (EM-38)**	**Figure Color**
NRCS Soil Background (site)	0-2	0-40	White to green
Slight	0-4	40-80	Yellow

Moderate	4-8	80-100	red
High	8-12	160-240	Purple

The table above shows the general correlation between laboratory soil saturated paste ECe and the apparent conductivity ECa measured by an EM unit.

AEA drilling staff arrived on location September 20th, 2023, after a cleared one call to sample the Saragossa 10 Battery and the Bandit #1 SWD. Using the EM survey, (VSP) and the NMOCD documentation AEA sample six (6) locations at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY.

Field data from the soil bores is shown in Table 3. Based on the C141s release descriptions and the EM survey (see figure 1b) release is estimated to be on the locations pad and south and east of the locations pit. DPT-6 confirmed the locations pit to the north liner and drill cuttings were recorded. Based on the three C141s release descriptions and the EM survey (see figure 1a) release numbers nAPB192213905, nAB1921736522 and nJMV1217334502 were estimated to be in and around the Bandit #1 location.

A total of six (6) sample locations were investigated using a direct-push drill rig, to depths up to five 5 to 6 feet bgs. A minimum of three delineation samples were collected at each soil bore location and field screened NRCS EC and PID.

Name	EC/Cl- >600ppm	PID >50ppm	Action	Depth (ft)
DPT-1	17.76/20144ppm	0.2	Excavated	0-2
DPT-1	7.8/8772ppm	0.0	Excavated	2-4
DPT-1	0.23/130ppm	0.0	In-situ	4-4.5
DPT-2	2.80/3064ppm	0.2	Excavated	0-2
DPT-2	1.6/1694ppm	0.2	In-situ	2-4
DPT-3	1.08 /1100ppm	0.2	Excavated	0-2
DPT-3	0.83/815ppm	0.2	Excavated	2-4
DPT-3	0.31/221ppm	0.0	In-situ	4-5
DPT-4	1.16/1191	0.0	Excavated	0-2
DPT-4	0.31/221ppm	0.8	In-situ	2-4
DPT-5	1.72/1831ppm	0.0	Excavated	0-2
DPT-5	6.51/7299ppm	0.0	Excavated	2-4
DPT-5	1.17/1203ppm	0.2	In-situ	4-5
DPT-5	0.31/221ppm	0.0	In-situ	5-6
DPT-6	2.80/3064ppm	0.2	In-situ PIT	0-2
DPT-6	1.6/1694ppm	0.0	In-situ PIT	2-4
DPT-6	2.20/2379ppm	0.0	In-situ PIT	4-5

Table 3: Soil Bore Data

As summarized in Table 3 and shown in figure 1b, results indicated that the releases did not flow and or leach of the location except to the East of the lease road. An on-pad area of approximately 20,000 square feet and an off-pad area of 12,000 square feet remains impacted. The impacted area is also bordered by a. production flow lines to the north and the locations berm to the south. The effected soils are imported B-horizon from an area caliche pit and the native soils beneath.

AEA and its contractors to date have excavated approximately four thousand two hundred and twenty-five (4,254 yd^3) in order to remediate the top four (4) feet of the pad to be compliant with, 19.15.29.13(D)(1) NMAC.

The off-pad area has had fifteen hundred and two (1502 yd^3) cubic yards excavated and hauled off. In total five thousand seven hundred and fifty-six (5756) cubic yards of caliche and native soil has been sent to an NMOCD approved disposal. An anticipated addition fifteen hundred to two thousand cubic yards (1500-2000yd^3) is needed in the off-pad areas to reach the targeted less than 600 ppm Chloride or less than 50ft to ground water standards for non-working or off pad areas.

Figure 4 shows the extent of the current and proposed excavation and existing sample locations are shown in Figure 1b.

All contaminated soil from the location has and will continue to be hauled to a NMOCD approved facility (waste manifest will be available upon request).

4.0 Revegetation and Restoration

The area soils are not classified as “sensitive by the NRCS” and are classified as very slightly saline. All backfilled topsoil will be sourced from a neighbor pit within the Reagan-Upton groups. Irrigated with less than 1000ppm TDS and less than 250 ppm Cl water to prevent dust and wind erosion during restoration. A slope of 0-3 percent will be restored to match the area contours and the area will be reseeded using NMSLO (LOAMY (L) SITES SEED MIXTURE) at double the published rates to accommodate for the use of hydroseeding.

5.0 Variance and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:
Atkins Engineering Associates INC

J. Austin Weyant

Austin Weyant
Geoscientist

ATTACHMENTS:

Figures:

Figure 1: EM Conductivity Survey and vicinity and site location
Figure 1a: Release area map
Figure 1b: Site and Sample Location Map
Figure 2a-b: Setback Radius Map
Figure 3: Area Cave and Karst Resource Inventory
Figure 4: Utilities map
Figure 5: Reclamation Area map

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report and Karst Resource Inventory
Appendix C:

FIGURES

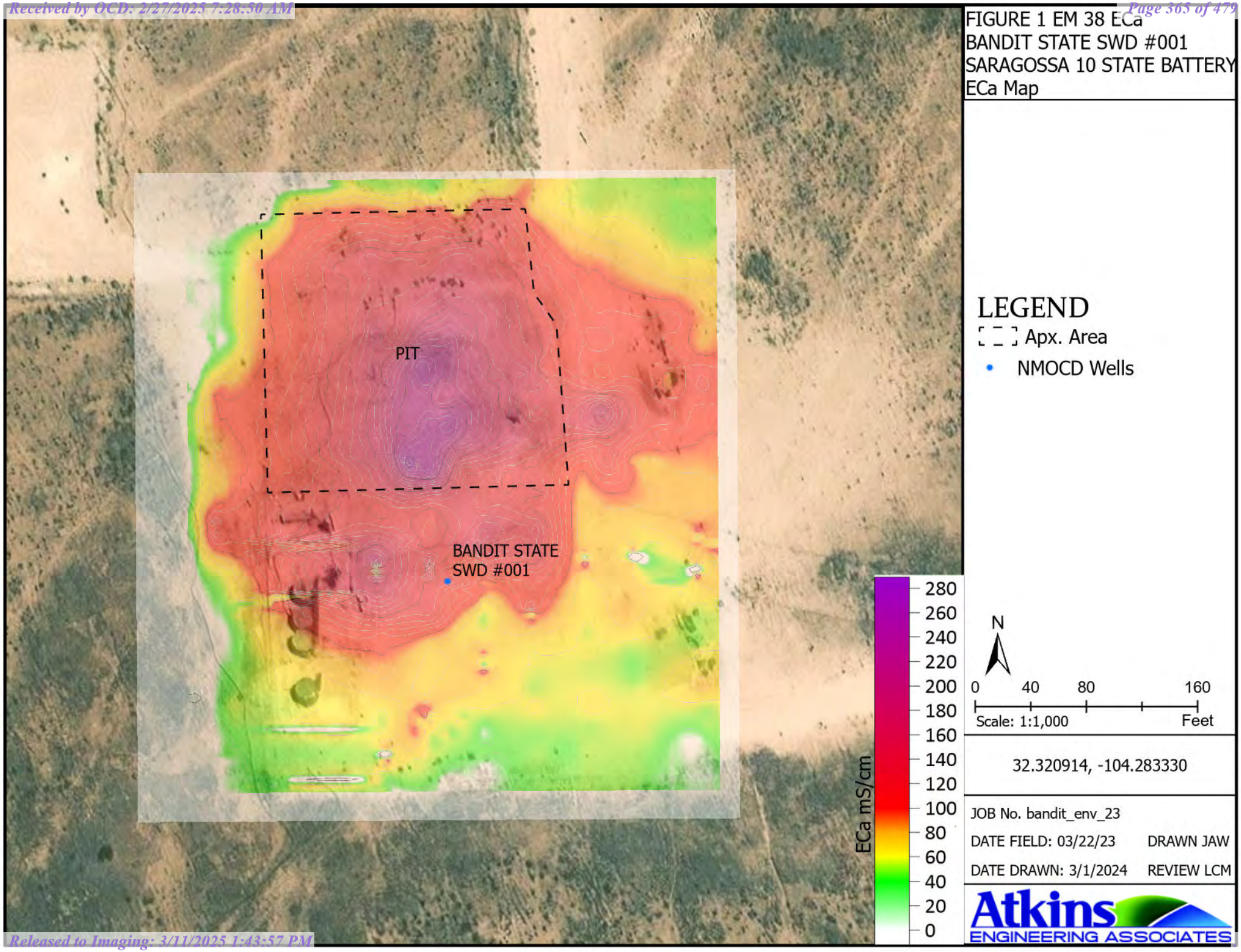


FIGURE 1 EM 38 ECa
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
ECa Map

LEGEND

- Apx. Area
- NMOCD Wells

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 1a Release Area
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY

LEGEND

- Apx. Area
- NMOCD Wells

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

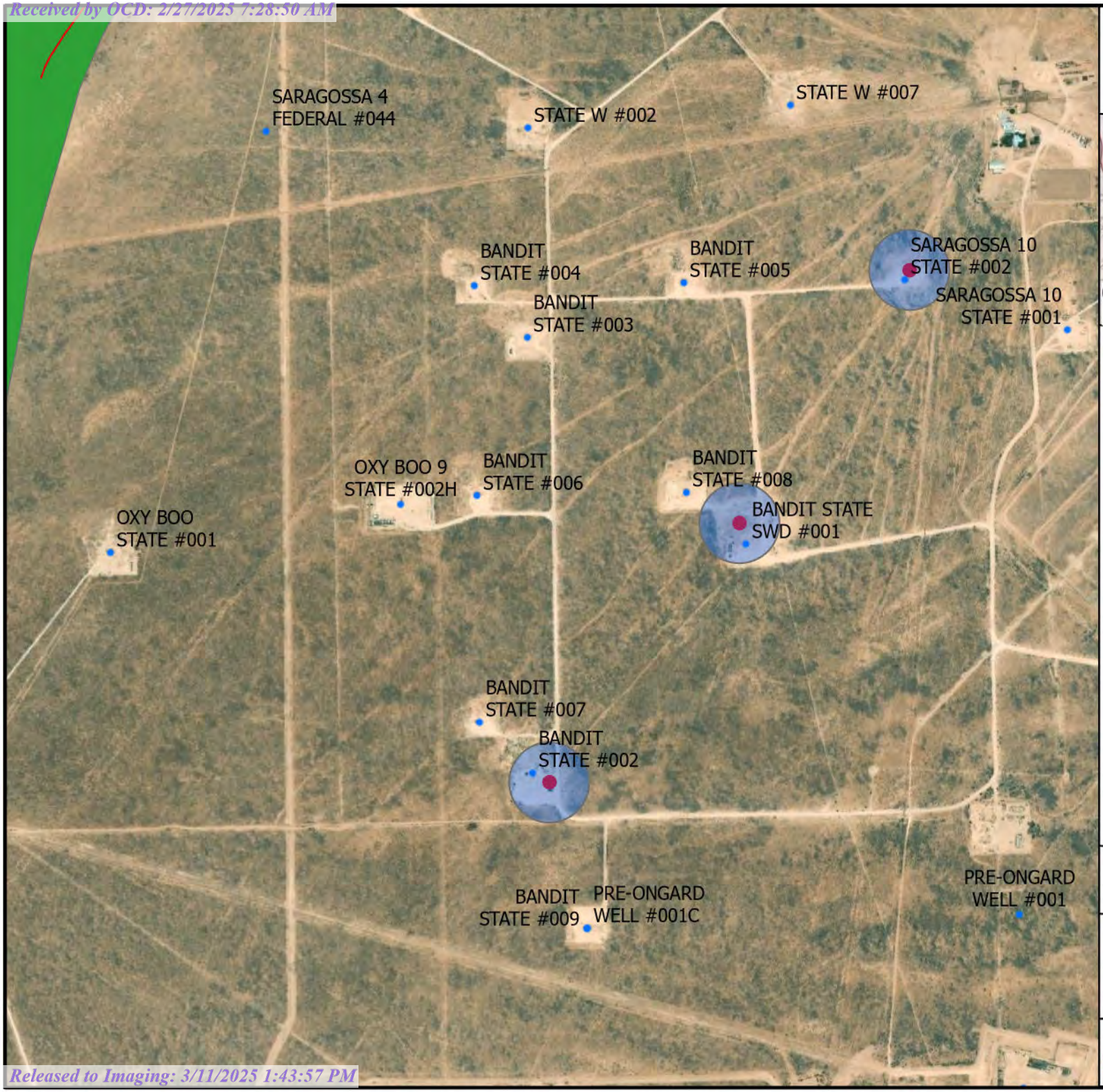
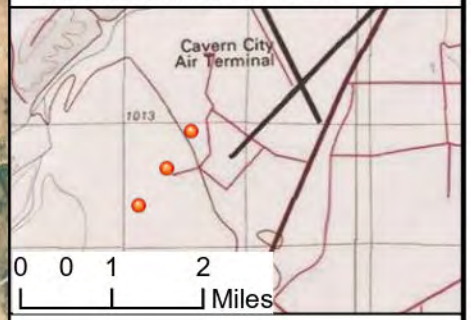


FIGURE 2
Hydrology Setbacks
Bandit #1 SWD



LEGEND

- Release Point
- Lakes_Playas
- Springs_Seeps
- Streams_Canals
- Flowlines_SENM
- FEMA_Flood_Zones_2011
- NMOCD Wells
- ReleasePoint_Buffer3

N

0 420 840 1,680
Scale: 1:10,000 Feet

BANDIT STATE #1
SARAGOSSA BATT

DRAWN LCM

DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins
ENGINEERING ASSOCIATES

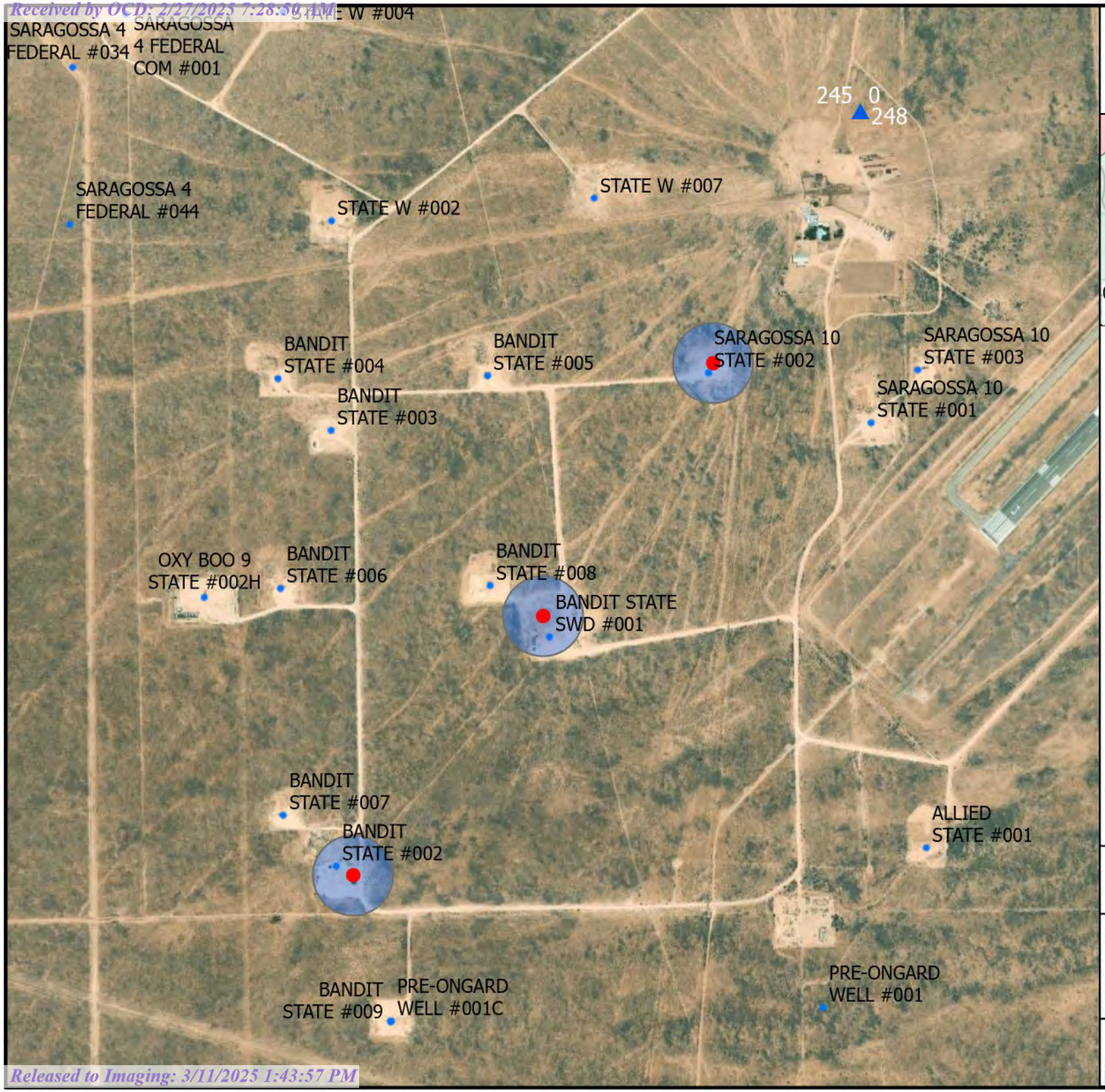
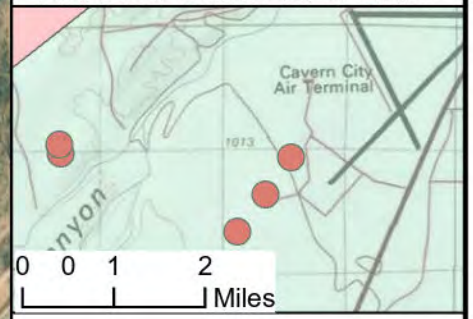


FIGURE 2b
Karst and NMOSE PODs
BANDIT STATE #1 SWD



LEGEND

- KarstOccurrence
- CriticalKarstZone
- Release Point
- OSE_Points_of_Diversion
- NMOCD Wells
- ReleasePoint_Buffer2

N

0 420 840 1,680
Scale: 1:10,000 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23
DATE FIELD: 11/07/2023 DRAWN LCM
DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

Figure #3 Area Cave and Karst Resource Inventory

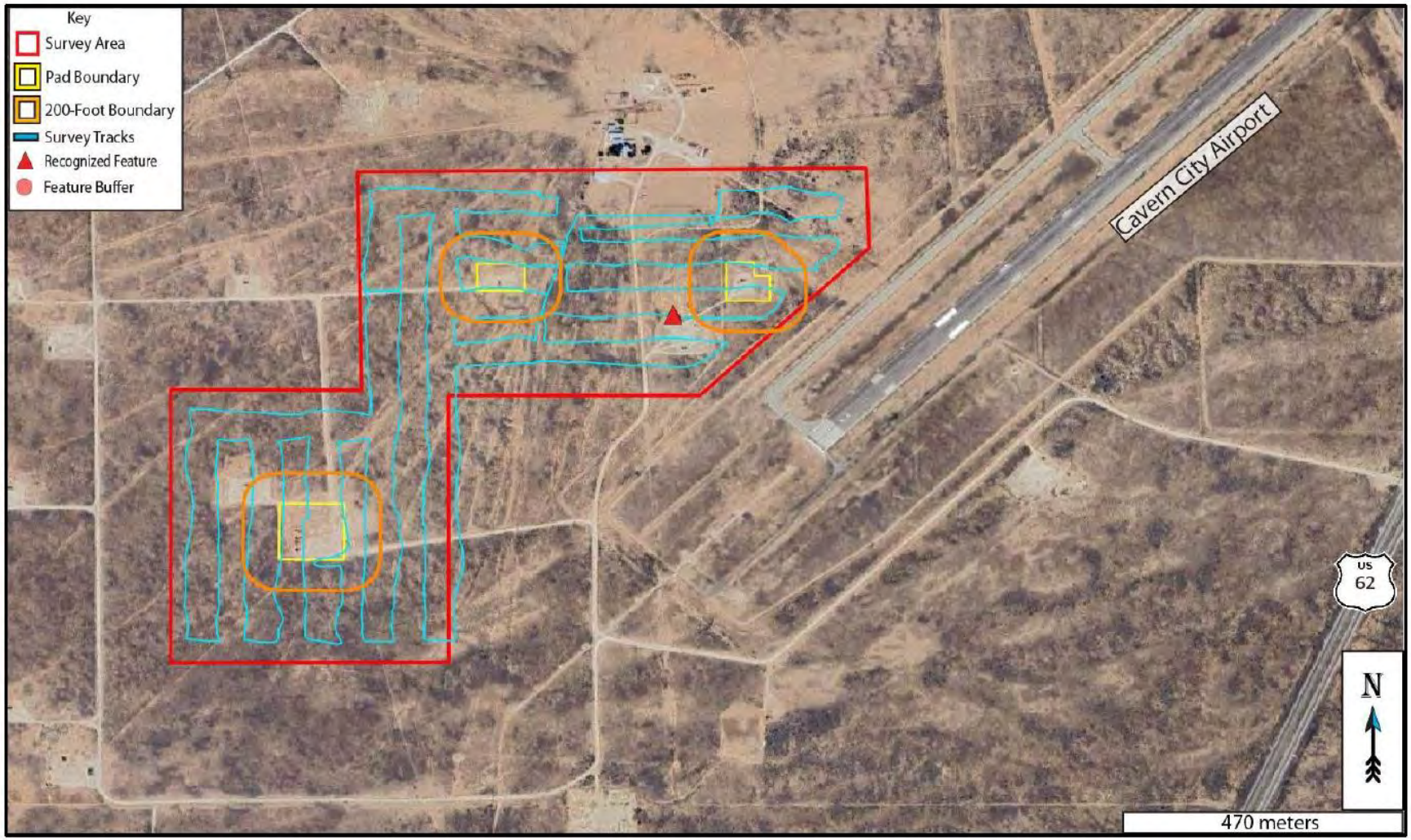


Figure 4: Survey overview. Red polygon is the study area. Blue wavy lines are the actual survey lines walked by Decker. Red triangle is the located karst feature. Red translucent circle is the buffer zone for the karst features (10 meters in diameter for this feature, hidden beneath the feature symbol in the image). See accompanying data files ATKE-002-20240312_SARG_Data_Files for more details. Background image credit: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

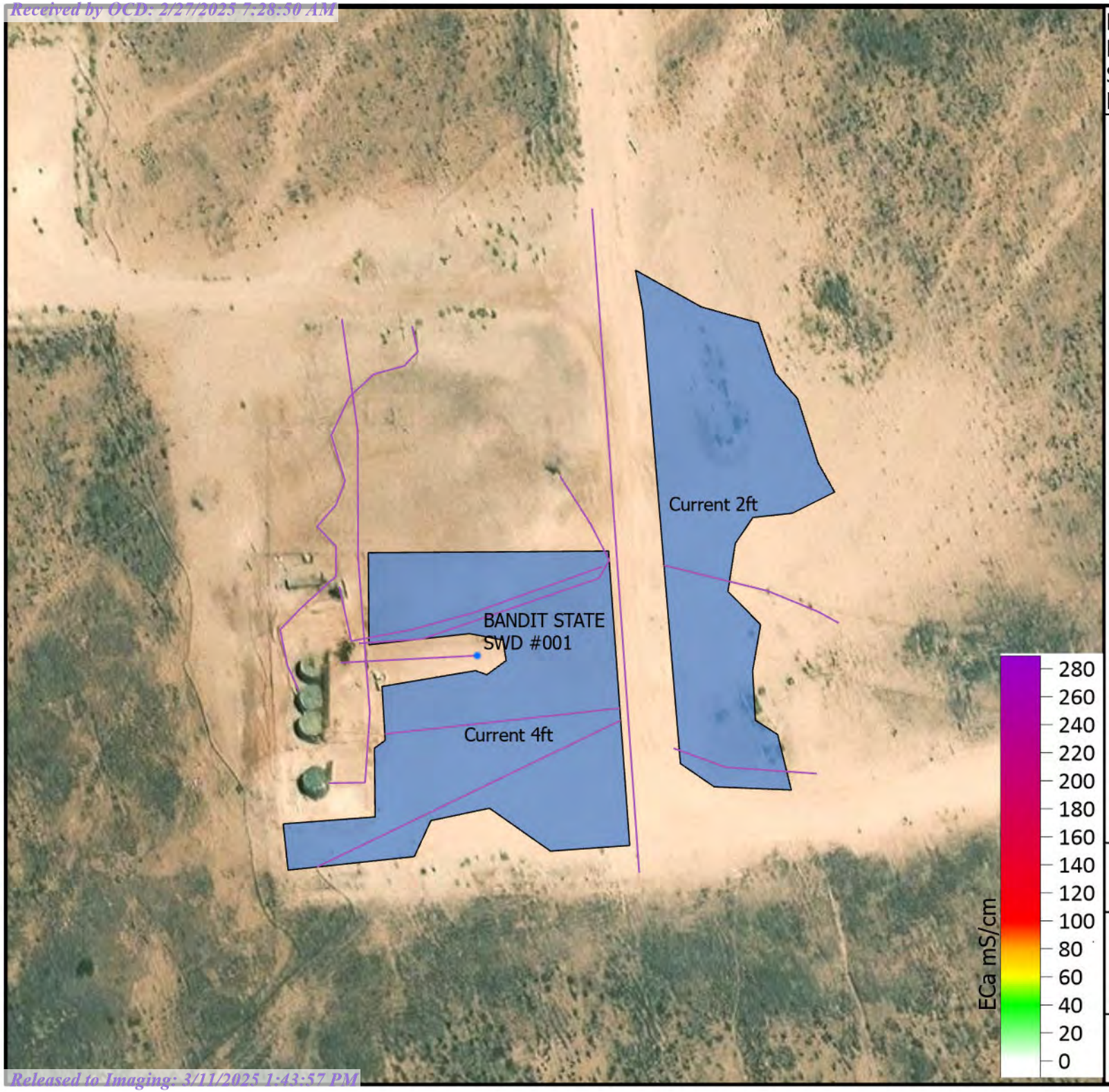


FIGURE 4 Utilities
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
Excavation and Utilities

LEGEND

- Excavation Area
- NMOCD Wells
- Pipeline

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

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fax: 575.624.2421
www.atkinseng.com

June 26, 2024

#BanditSWD_env_23

3R Operating, LLC
4000 North Big Spring-Suite 210 Midland, TX 79705
Attn: Randy Ferrell

SUBJECT: Remediation Work Plan for the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY Release (nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)** Eddy County, New Mexico

Dear Mr. Anderson,

On behalf of 3R Operating, LLC, Atkins Engineering Associates INC. (AEA) has prepared this site assessment, field delineation and remediation proposal. Prior communication with the division on the location was for remedial time extension, but due to events out of AEAs control going for straight for remedial closure is no longer applicable. To quickly delineate the multiple releases of liquids related to oil and gas production activities at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY AEA used ***Visual Sample Plan Version 6.0*** (VSP) to define a confidence interval of 90% and sample plan design coupled with an Electromagnetic survey to accurately define the parameters or horizontal boundaries of the soil investigation. The site is in Unit F, Section 10, Township 23S, Range 26E, Eddy County, New Mexico, on State land.

Table 1: summarizes release information and Site Criteria

Table 1: Release Information and Closure Criteria			
Name	BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY	Company	Read & Stevens / 3R Operating
API Number	30-015-21071	Location	32.320914, -104.283330
Incident Number	(nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)**		
Estimated Date of Release	7/27/2019 – 7/13/2023	Date Reported to NMOCD	7/27/2019 – 7/13/2023
Landowner	State	Reported To	NMOCD District 2
Source of Release	Legacy releases from previous operator Read and Stevens OGRID (18917) and current		
NMOCD Closure Criteria	>100 feet to groundwater		

1.0 Background

Atkins Engineering Associates Inc. (AEA) was retained by 3R Operating, LLC (3R) to complete an Environmental Liability Assessment (ELA) study of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY former Read and Stevens oil and gas facilities acquired from Permian Resources Co. The purpose of this study was to identify, to the extent feasible, the environmental liability with respect to the assets located on the subject facilities and contiguous areas. As part of the ELA an Environmental & Administrative Orders search of the New Mexico Oil Conservation Division database was completed for the subject facilities area and then cross-referenced by operator. The search revealed three (3) Remediation Permits issued to the previous owner and/or operator. According to NMOCD documentation initial response activities were conducted by the pervious operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1 illustrates the vicinity and site location. All the C-141 forms are included in Appendix A.

During and soon after the acquisition of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY two releases were discovered at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY and reported to NMOCD (nAPP2319437518) and (NAPP2320640601**).**

Incident NAPP2320640601 was discovered on July,25 2023 and reported to NMOCD the same day. The Cause was a water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. The total release was 220 bbls of water and 70 bbls were recovered. Everything stayed within the berm, repairs are being made to the tank. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

Incident nAPP2319437518 was discovered on July,13 2023 and reported to NMOCD the same day. The Cause was equipment failure at the wellhead causing a release of an estimated 75bbl of Produced Water on the locations pad. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery of an estimated 50 bbls. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

The previous NMOCD submitted May, 31st 2024 Remediation Work Plan for the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY was denied by NMOCD because of the reasons listed below with AEAs responses.

- **The Remediation Plan is Denied. Figure 1b (showing extent of current and proposed excavation and existing sample locations) doesn't seem to be included in the report. Please include Figure 1b in the resubmittal. Sidewall samples need to be completed to laterally delineate the release. The site map will need to include the entire release area including horizontal/vertical delineation sample locations. Looking at the EM Survey,**

the release appears to have entered the pit area, crossed the road, and then collected on the east side of the road. The entire release area which may include the pit and road will need to be fully delineated.

- Figure 1 and Figure 4 have been updated.
- AEA's Field geologist was on site September 20th 2023 and his logs for the soil bores are attached in the appendices. DPT-6 and DPT-2 logs show plastic at the surface and were determined by AEAs field geologist to the pit. DPT-2 is the southernmost boundary of the pit and geo referenced photo 1 shows the northernmost extent.
- Field sidewall samples performed by MMX have been included and confirm the approximate areas found by the EM survey.
- Delineation has proven difficult because of the presence of an indurent soil or rock layer. The DPT rig hit refusal at four 4 to six 6 feet across the location as shown in the logs. The excavation of the location has also come in contact with the same indurent soil or rock layer that the track hoe cannot penetrate thus limiting the excavation to the 4-foot in depth.

- **Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. All off-pad areas (roads, pasture, etc..) must meet reclamation standards set forth in the OCD Spill Rule.**
  - AEA agrees that the release should be excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site, see addition third party lab results and MMX sidewall samples in table 4.
  - AEA has provided the logs of two neighboring wells C2382 and C2393, because of the data exceeds the 25-year request by NMOCD, AEA staff contracted the Wells owner Justin Wilson and was granted permission to re-gauge both wells. AEA staff could only fit a water level probe past the manifold at one of the wells believed to be the C2393 and water was found to be 243ft from TOC.
  - AEA will collect closure samples that comply with standards set forth in the OCD Spill Rule.

2.0 Site Information and Closure Criteria

The BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY is located approximately 0.75 miles South the city Carlsbad Eddy County, New Mexico on State land at an elevation of approximately 3313 feet above mean sea level (amsl).

Based upon well logs submitted to the New Mexico Office of the State Engineers (NMOSE) (Appendix B), depth to groundwater in the area is estimated to be 245 feet below grade surface (bgs). There are known water sources within ½-mile of the location, according to the NMOSE. Livestock and Domestic wells C2393 and C2382. C2393 was recently gauged by AEA staff on September, 20th 2023 and ground water was found to be 243ft from TOC. The nearest significant watercourse is Dark Canyon, located approximately .5 miles West of the location. Figure 2 illustrates the site with 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Because both well logs are from 1994 the data exceeds the 25-year request by NMOCD, AEA staff contracted the Wells owner Justin Wilson and was granted permission to re-gauge both wells. All NMOCD hydrological and cave and karst setbacks are shown in figures 2-2b. Because the location is within the BLMs Karst Occurrence of medium Karst a **Cave and Karst Resource Inventory** was conducted by Southwest Geophysical Consulting LLC (SGC). The report is in Appendix B.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC on the locations pad. 19.15.29.13(D)(1) NMAC says "The reclamation must contain a minimum of four feet of non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0." The affected pad has been excavated to a minimum of four feet and the remaining impacts are less than the standards of Table I of 19.15.29.12 NMAC

Table 2: summarizes standards of Table I of 19.15.29.12 NMAC

Remediation >100 feet to groundwater		
Chloride	EPA 300	20,000mg/kg
TPH (GRO+DRO+MRO)	EPA 8015M	2,500 mg/kg
BTEX	EPA 8021B	50 mg/kg

According to *Energy, Minerals and Natural Resources Department (EMNRD) Procedures for Implementation of the Spill Rule (19.15.29 NMAC) September 6, 2019, "The remediation requirements in Table 1 19.15.29.12 NMAC are the same for all releases, whether they occur on an active production site or not (19.15.29.12(C)(2) and (3) NMAC). Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction."* AEA and its subcontractor had a third-party Safety Professional (SESI) review the physical location and its surrounding area and determine the safe horizontal limits of the remedial excavation. Most of the impacted soil that can be removed safely on Pad and around neighboring utilities was performed in March of this year.

AEA plans to submit deferral request with its closure report after the completion of the remedial excavation in order to safely delineate the remining impacts.

Table 5 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B. Figure 1 illustrates the site 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The Pad site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

The off-pad area has had fifteen hundred and two (1502 yd^3) cubic yards excavated and hauled off. In total five thousand seven hundred and fifty-six (5756) cubic yards of caliche and native soil has been sent

to an NMOCD approved disposal. An anticipated addition fifteen hundred to two thousand cubic yards (1500-2000yd^3) is needed in the off-pad areas to reach the targeted less than 600 ppm Chloride.

3.0 Release Characterization and Proposed Remediation Activities

Electromagnetic surveying was used as a "first-pass" investigation to accurately define the parameters or horizontal boundaries of the soil investigation. A Geonics Ltd. EM-38 ground conductivity meter that has been factory calibrated was used on site to collect data.

Figure 1 attached is a product of the fixed-frequency EM method used to map variations in ground conductivity, to identify anomalously conductive soils and infer changes in the soil characteristics and composition. This method used portable instrumentation consisting of a transmitter coil and a receiver coil. Primary magnetic field from the transmitter coil induces subsurface eddy currents, which in turn generate a secondary magnetic field that is intercepted by the receiver coil. The ratio of the primary and secondary magnetic fields is related to ground conductivity represented as ECa in mS/m.

The conductivity values are not specific values from discrete depths; they are weighted averages of conductivity between the surface and the depth of exploration of the EM field and are termed "apparent conductivities". The apparent conductivity values obtained are in units of millisiemens per meter (mS/m). The apparent conductivity (ECa) of the soil has been related to the paste extract conductivity {ECe) by the relationship ECa=5ECa (McNeill, 1986a). Table 3 (from McNeill, 1986a) illustrates this general relationship. Measurements are expressed in millisiemens/meter (mS/m).

Table 3: ECe to ECa Conversion

Soil Conductivity vs Salinity (from McNeill, 1986a)			
Salinity (NRCS)	**ECe (mS/cm) (Lab)**	**ECa (mS/m) (EM-38)**	**Figure Color**
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Slight	0-4	40-80	Yellow
Moderate	4-8	80-100	red
High	8-12	160-240	Purple

The table above shows the general correlation between laboratory soil saturated paste ECe and the apparent conductivity ECa measured by an EM unit.

AEA drilling staff arrived on location September 20th, 2023, after a cleared one call to sample the Saragossa 10 Battery and the Bandit #1 SWD. Using the EM survey, (VSP) and the NMOCD documentation AEA sample six (6) locations at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY.

Field data from the soil bores is shown in Table 4. Based on the C141s release descriptions and the EM survey (see figure 1b) release is estimated to be on the locations pad and south and east of the locations pit. DPT-6 confirmed the locations pit to the north liner and drill cuttings were recorded. Based on the three C141s release descriptions and the EM survey (see figure 1) release numbers nAPB192213905, nAB1921736522 and nJMV1217334502 were estimated to be in and around the Bandit #1 location.

A total of six (6) sample locations were investigated using a direct-push drill rig, to depths up to five 5 to 6 feet bgs. A minimum of three delineation samples were collected at each soil bore location and field screened NRCS EC and PID.

During remedial excavation activities March 4th 2024, AEAs sub-contractor collected sidewall samples to confirm the excavation boundaries using Hach strips for Cl-, sidewall or SW samples 1-14 are in table 4 and figure #4.

After the denial of the soil Work Plan, AEA performed a sampling event within the excavation on June 6th 2024 to confirm the previous soil borings and to get an up to date and lab confirmed contaminate concentration within the excavation. Samples BH1-BH8 are in table 4 and figure #4.

As summarized in Table 4 and shown in figure 1b, results indicated that the releases did not flow and or leach off the location except to the East of the lease road. An on-pad area of approximately 20,000 square feet and an off-pad area of 12,000 square feet remains impacted. The impacted area is also bordered by a. production flow lines to the north and the locations berm to the south. The effected soils are imported B-horizon from an area caliche pit and the native soils beneath.

AEA and its contractors to date have excavated approximately four thousand two hundred and twenty-five (4,254 yd^3) in order to remediate the top four (4) feet of the pad to be compliant with, 19.15.29.13(D)(1) NMAC.

The off-pad area has had fifteen hundred and two (1502 yd^3) cubic yards excavated and hauled off. In total five thousand seven hundred and fifty-six (5756) cubic yards of caliche and native soil has been sent to an NMOCD approved disposal. An anticipated addition fifteen hundred to two thousand cubic yards (1500-2000yd^3) is needed in the off-pad areas to reach the targeted less than 600 ppm Chloride to take the excavation from two 2ft to roughly three 3ft in depth.

Figure 4 shows the extent of the current and proposed excavation and existing sample locations are shown in Figure 1b and figure 4.

All contaminated soil from the location has and will continue to be hauled to a NMOCD approved facility (waste manifest will be available upon request).

At the completion of the remedial excavation AEA will collect closure samples after notice has been given to NMOCD, NMSLO and the area Rancher. AEA will collect confirmation samples, representing no more than 200 ft2 as specified in the NMOCD denial.

With the site being an active production site with active 3R owned and third party owned area utilities, some areas are unsafe to excavate and will need to be deferred. The areas immediately under or around the production equipment such as production tanks battery, wellhead, and the many pipelines and electrical lines will be documented and sampled in the closure report for NMOCD and NMSLO to ensure that at asset retirement when it is safe to do so impacts can be recovered.

4.0 Revegetation and Restoration

The area soils are not classified as “sensitive by the NRCS” and are classified as very slightly saline. The areas disturbed by the excavations or grading work performed by the AEA and its sub-contractors shall include revegetation as specified in the NMDOT Standard Specifications for Highway and Bridge

Construction Section 632 'Seeding'. This work shall consist of reseeding all areas which were denuded with vegetation during the facility's remedial excavation operations.

The reseeding work by 3R will be subject to prior approval, inspection and acceptance by the NMSLO staff. To reduce maintenance from erosion caused by unprotected soils and the spread of noxious weeds harmful to New Mexico agriculture.

- all backfilled topsoil will be sourced from a neighbor pit within the Reagan-Upton groups.
- Irrigated with less than 1000ppm TDS and less than 250 ppm Cl water to prevent dust and wind erosion during restoration.
- A slope of 0-3 percent will be restored to match the area contours and the area will be reseeded using NMSLO (LOAMY (L) SITES SEED MIXTURE) at double the published rates to accommodate for the use of hydroseeding.
- AEA will also apply soil tackifier at NMDOT recommended rate of 100bs per acre to prevent erosion based on NMDOT Materials Quantities sheet in the appendix. AEA has a NMDA
- licensed applicator and will conduct invasive weed removal/spray event the following spring to insure no noxious or invasive weeds are present in the revegetation areas.

5.0 Variance and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:
Atkins Engineering Associates INC

J. Austin Weyant

Austin Weyant
Geoscientist

ATTACHMENTS:

Figures:

Figure 1: EM Conductivity Survey and vicinity and site location
Figure 1a: Release area map
Figure 1b: Site and Sample Location Map

Table 4:
Summary of Sample Results

Sample ID	Sample Date	Depth (feet bgs)	Description	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- Field mg/Kg	Cl- mg/Kg	BTEX mg/kg
NMOCD 19.15.29 Guidance							2500	600	600/20000	50
DPT1-1'	9/20/2023	0-2	excavated	--	--	--	--	20144	--	--
DPT1- 2-4	9/20/2023	2-4	excavated	--	--	--	--	8775	--	--
DPT1- 4-4.5	9/20/2023	4-4.5	insitu/rock	--	--	--	--	130	--	--
DPT1-4'	6/6/2024	4	insitu/rock	<20	<25	<50	<100		582	<0.100
DPT2- 0-2'	9/20/2023	0-2	excavated	--	--	--	--	3064		--
DPT2- 2-4'	9/20/2023	2-4	excavated	--	--	--	--	1694		--
DPT2-6'	6/6/2024	6	insitu/rock	<20	<25	<50	<100		<20	<0.100
DPT-3 0-2	9/20/2023	0-2	excavated	--	--	--	--	1100		--
DPT-3 2-4	9/20/2023	2-4	excavated	--	--	--	--	815		--
DPT-3 4-5	9/20/2023	4-5	insitu/rock	--	--	--	--	221		--
DPT3-4'	6/6/2024	4	insitu/rock	<20	<25	<50	<100		299	<0.100
DPT-4 0-2'	9/20/2023	0-2	excavated	--	--	--	--	1191		--
DPT-4 2-4'	9/20/2023	2-4	insitu/rock	--	--	--	--	221		--
DPT5- 0-2'	9/21/2023	0-2	excavated	--	--	--	--	1831		--
DPT5-5'	9/22/2023	2-4	excavated	--	--	--	--	7299		--
DPT5-5'	9/23/2023	4-5	excavated	--	--	--	--	1203		--
DPT5-5'	6/6/2024	5	insitu/rock	<20	<25	<50	<100		606	<0.100
DPT5-5-6'	9/23/2023	5-6	insitu/rock	--	--	--	--	221		--
DPT6-0-2'	9/23/2023	0-2	insitu/pit	--	--	--	--	3064		--
DPT-6 2-4'	9/23/2023	2-4	insitu/pit	--	--	--	--	1694		--
DPT6 4'	6/6/2024	4	insitu/pit	<20	<25	<50	<100		4690	<0.100
DPT6 4-5'	9/23/2023	4-5	insitu/pit	--	--	--	--	2379		--
BH1-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		2100	<0.100
BH2-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		38.9	<0.100
BH3-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		1040	<0.100
BH5-2'	6/6/2024	2	insitu	<20	<25	<50	<100		4860	<0.100
BH5-3'	6/6/2024	3	insitu	<20	<25	<50	<100		3580	<0.100
BH6-2'	6/6/2024	2	insitu	<20	<25	<50	<100		166	<0.100
BH6-3'	6/6/2024	3	insitu	<20	<25	<50	<100		45.4	<0.100
BH7-2'	6/6/2024	2	insitu	<20	<25	<50	<100		1190	<0.100
BH7-3'	6/6/2024	3	insitu	<20	<25	<50	<100		721	<0.100
BH8-2'	6/6/2024	2	insitu	<20	<25	<50	<100		1640	<0.100
BH8-3'	6/6/2024	3	insitu	<20	<25	<50	<100		1700	<0.100
SW MMX1	3/4/2024	SW	insitu	--	--	--	--		289	--
SW MMX2	3/4/2024	SW	insitu	--	--	--	--		342	--
SW MMX3	3/4/2024	SW	insitu	--	--	--	--		76	--
SW MMX4	3/4/2024	SW	insitu	--	--	--	--		609	--
SW MMX5	3/4/2024	SW	insitu	--	--	--	--		152	--
SW MMX6	3/4/2024	SW	insitu	--	--	--	--		2150	--
SW MMX7	3/4/2024	SW	insitu	--	--	--	--		3920	--
SW MMX8	3/4/2024	SW	insitu	--	--	--	--		1808	--
SW MMX9	3/4/2024	SW	insitu	--	--	--	--		5915	--
SW MMX10	3/4/2024	SW	insitu	--	--	--	--		1808	--
SW MMX11	3/4/2024	SW	insitu	--	--	--	--		595	--
SW MMX12	3/4/2024	SW	insitu	--	--	--	--		389	--
SW MMX13	3/4/2024	SW	insitu	--	--	--	--		2265	--
SW MMX14	3/4/2024	SW	insitu	--	--	--	--		526	--
SP MMX15	3/4/2024	2	insitu	--	--	--	--		7516	--
SP MMX16	3/4/2024	2	insitu	--	--	--	--		8258	--

"--" = Not Analyzed

Figure 2a-b: Setback Radius Map
Figure 3: Area Cave and Karst Resource Inventory
Figure 4: Utilities map
Figure 5: Reclamation Area map

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report/Well logs and Karst Resource Inventory
Appendix C: NMDOT Materials Quantities

FIGURES

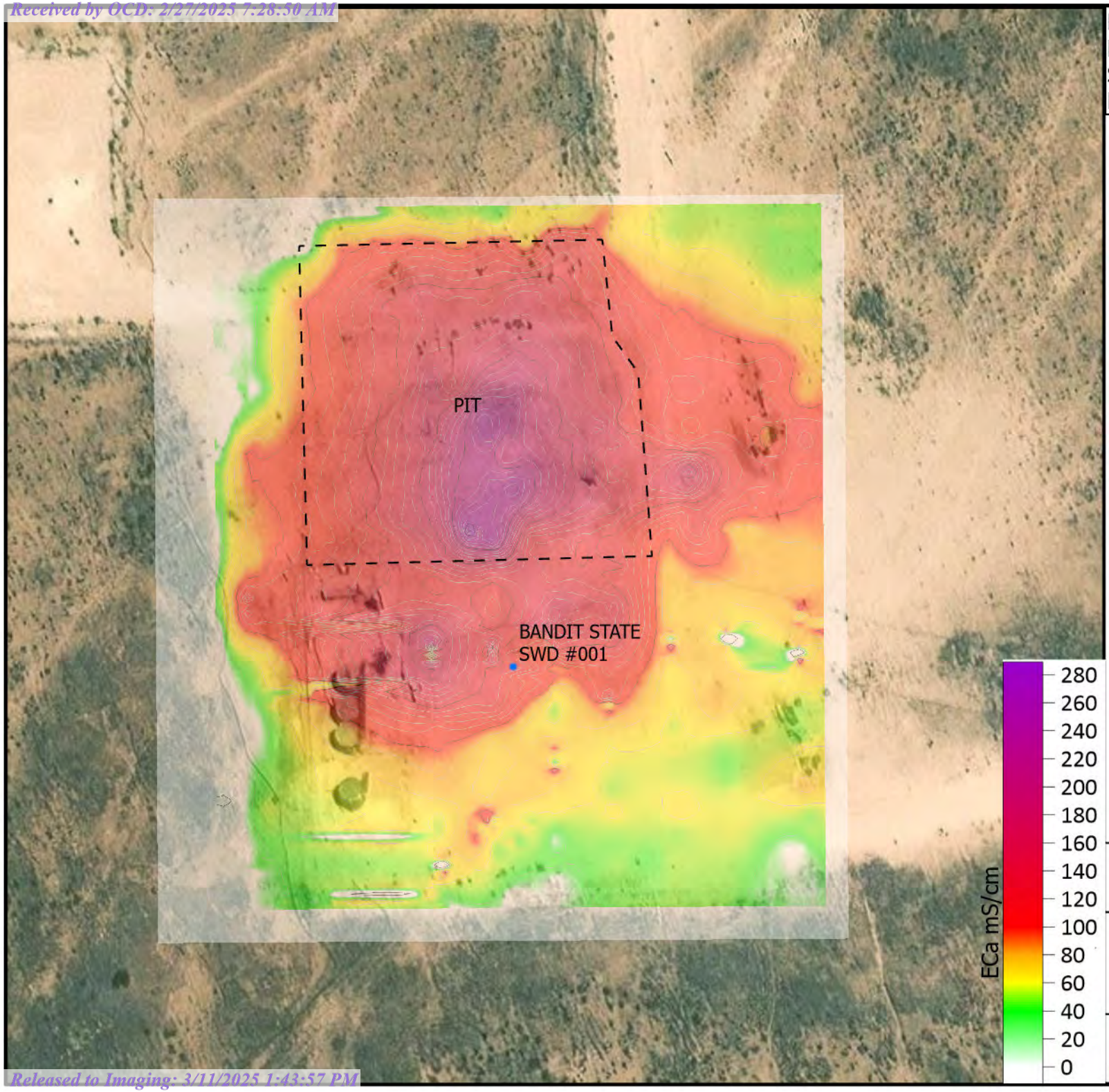


FIGURE 1 EM 38 ECa
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
ECa Map

LEGEND

- Apx. Area
- NMOCD Wells

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 1a Release Area
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY

LEGEND

- Apx. Area
- NMOCD Wells

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 1b
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
Sample Points

LEGEND

- Sample Location
- Apx. Area
- Soil Bores

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 06/06/24 DRAWN JAW

DATE DRAWN: 6/24/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

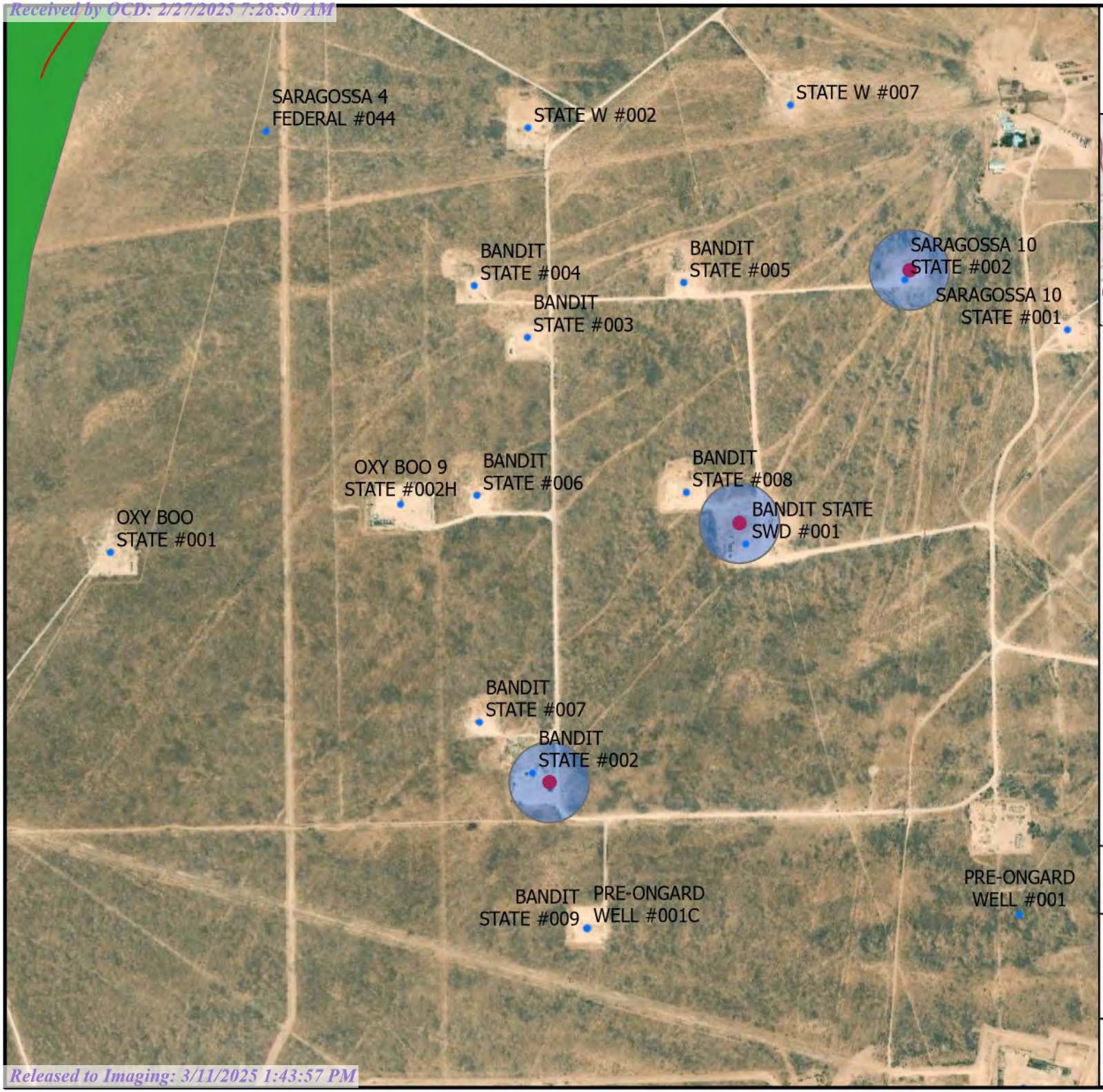
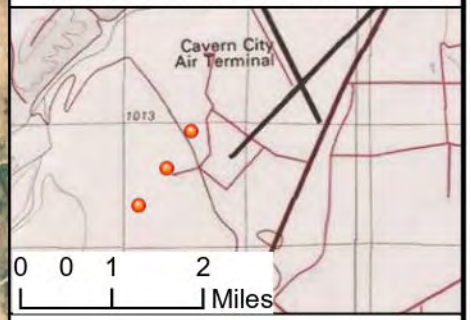


FIGURE 2
Hydrology Setbacks
Bandit #1 SWD



LEGEND

- Release Point
- Lakes_Playas
- Springs_Seeps
- Streams_Canals
- Flowlines_SENM
- FEMA_Flood_Zones_2011
- NMOCD Wells
- ReleasePoint_Buffer3

N

0 420 840 1,680

Scale: 1:10,000 Feet

BANDIT STATE #1
SARAGOSSA BATT

DRAWN LCM

DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

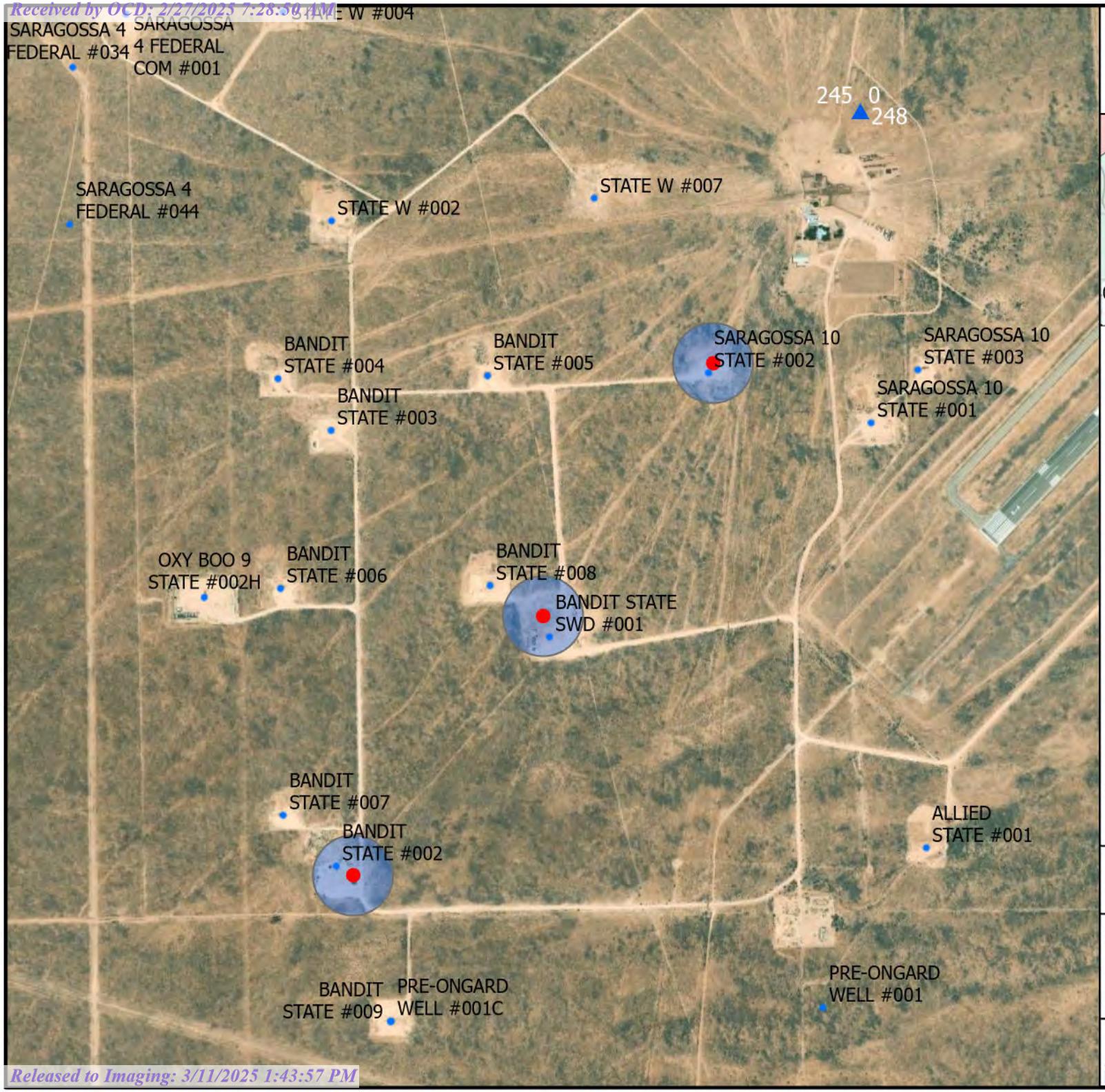
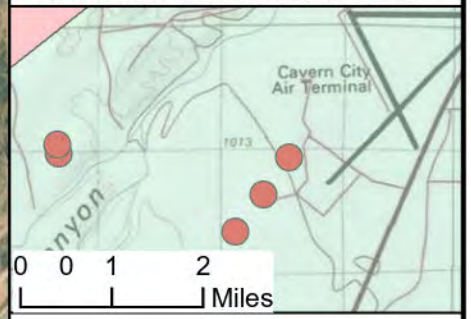


FIGURE 2b
Karst and NMOSE PODs
BANDIT STATE #1 SWD



LEGEND

- KarstOccurrence
- CriticalKarstZone
- Release Point
- OSE_Points_of_Diversion
- NMOCD Wells
- ReleasePoint_Buffer2

N

0 420 840 1,680
Scale: 1:10,000 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23
DATE FIELD: 11/07/2023 DRAWN LCM
DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

Figure #3 Area Cave and Karst Resource Inventory

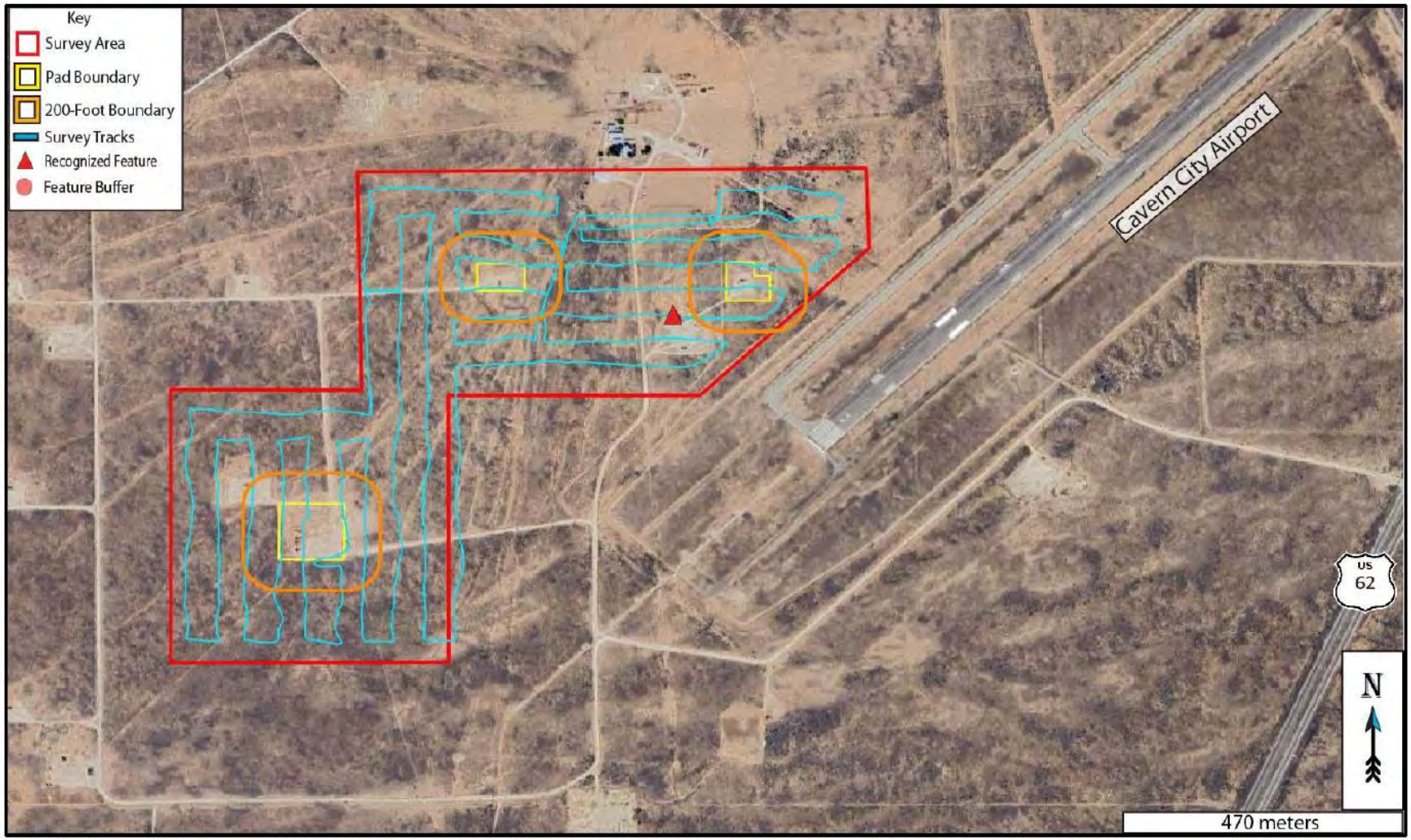


Figure 4: Survey overview. Red polygon is the study area. Blue wavy lines are the actual survey lines walked by Decker. Red triangle is the located karst feature. Red translucent circle is the buffer zone for the karst features (10 meters in diameter for this feature, hidden beneath the feature symbol in the image). See accompanying data files ATKE-002-20240312_SARG_Data_Files for more details. Background image credit: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

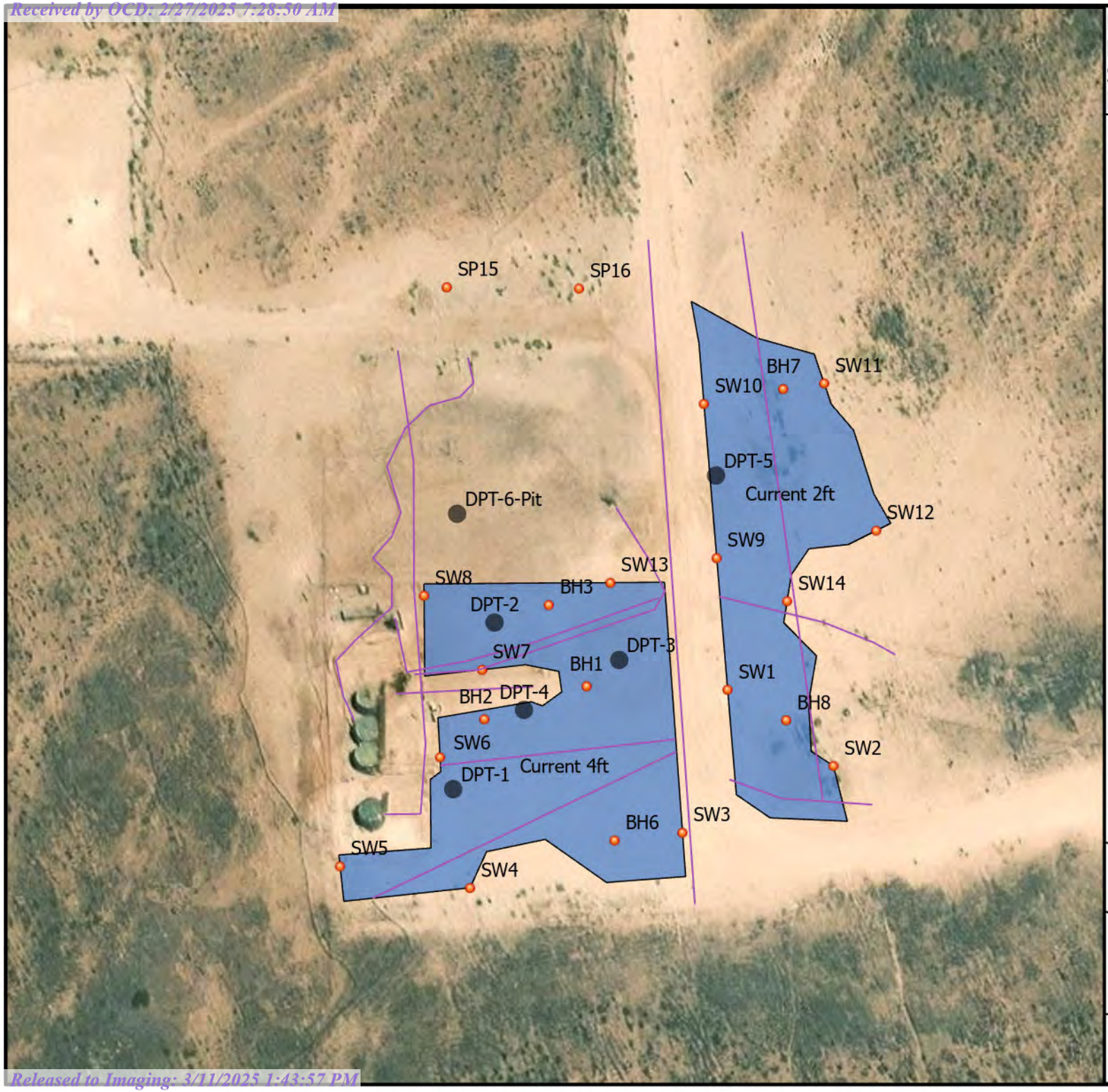


FIGURE 4
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
Excavation and Sample Points

LEGEND

- Sample Location
- Excavation Area
- Pipeline
- Soil Bores

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 06/06/24 DRAWN JAW

DATE DRAWN: 6/19/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 5
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
Approximate Revegetation Area

LEGEND

Revegetation

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 06/06/24 DRAWN JAW

DATE DRAWN: 6/24/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

Log

DPT-1

Page 1 of 1

Location: Bandswd

Purpose: Soil Sample

Project: bandswd.env.23

Completion Date	9/20/2024	**Latitude**	32.32683
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28337
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4.5

Depth in Feet	Lithology	USCS	Description
0 – 4		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry (plastic liner)
4 – 5		Rock	Refusal at depth

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-2

Page 1 of 1

Location: Bandits #1

Purpose: Soil Sample

Project: bandswd.env.24

Completion Date	9/20/2024	**Latitude**	32.32111
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28328
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4

Depth in Feet	Lithology	USCS	Description
0 – 4		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry (plastic liner at surface)

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log DPT-3

Page 1 of 1

Location: Band SWD#1

Purpose: Soil Sample

Project: bandswd.env.25

Completion Date	9/20/2024
Drilling Contractor	Atkins Engineering Assoc.
Drilling Method	DPT
Boring Diameter	2.5"
Latitude	32.32105
Longitude	-104.28303
Surface Elevation (ft)	3308
Total Depth (ft)	5

Depth in Feet	Lithology	USCS	Description
0–5	SiltyClay	SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry
5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:Plugged boring using Hydrated bentonite

Atkins ENGINEERING ASSOCIATES
2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-4

Page 1 of 1

Location: Bandit #1

Purpose: Soil Sample

Project: bandswd.env.26

Completion Date	9/20/2024
Drilling Contractor	Atkins Engineering Assoc.
Drilling Method	DPT
Boring Diameter	2.5"
Latitude	32.32096
Longitude	-104.28322
Surface Elevation (ft)	3308
Total Depth (ft)	6

Depth in Feet	Lithology	USCS	Description
0–4	SiltyClay	SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,
4–5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:

Atkins Engineering Associates

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-5

Page 1 of 1

Location: Bandswd.env.27

Purpose: Soil Sample

Project: bandswd.env.27

Completion Date	9/20/2024	**Latitude**	32.32137
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28283
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4

Depth in Feet	Lithology	USCS	Description
0 – 3		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,
3 – 6			

0
1
2
3
4
5
6

Lithology Legend

SiltyClay

NOTES:

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Log

DPT-6

Page 1 of 1

Location: Bandwidth

Purpose: Soil Sample

Project: bandswd.env.28

Completion Date	9/20/2024	**Latitude**	32.3213
Drilling Contractor	Atkins Engineering Assoc.	**Longitude**	-104.28336
Drilling Method	DPT	**Surface Elevation (ft)**	3308
Boring Diameter	2.5"	**Total Depth (ft)**	4.5

Depth in Feet	Lithology	USCS	Description
0 – 4		SC	Clayey sand, fine-grained, semiconsolidated, tannish brown , dry,
4 – 5		Rock	Bedrock-Refusal

Lithology Legend

SiltyClay

NOTES:Plugged boring using Hydrated bentonite

Atkins ENGINEERING ASSOCIATES

2904 W 2nd St
Roswell, New Mexico 88201

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Bill Gillock Owner's Well No. 1
Street or Post Office Address 159 Gillock RD.
City and State Carlsbad N M 88220

Well was drilled under Permit No. C-2382 and is located in the:

a. ____ ¼ ____ ¼ S½ ¼ SE ¼ of Section 3 Township 23S Range 26E NMPM

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in EDDY County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461
Address Box 935 Artesia, NM 88210

Drilling Began 4-6-94 Completed 4-16-94 Type tools cable Size of hole 10 in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 288 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 248 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
255	260	5	Broken Conglomerate	30

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	1	288	289	collar	228	288

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by:
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 04-28-95
Quad ____ FWL ____ FSL ____
File No. C-2382 Use Domestic/Stock Location No. 23S.26E.3.43243

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	1	1	Top soil
1	20	19	clichie
20	50	30	gravel
50	60	10	brown shale
60	105	45	gravel
105	135	30	brown shale gravel
135	165	30	conglomerated rock
165	209	44	brown shale gravel
209	230	21	yellow & tan conglomerated rock
230	232	2	crevase
232	246	14	conglomerated rock
246	255	9	solid conglomerated rock
255	260	5	conglomerated rock (water)
260	281	21	shale and rock
281	288	7	conglomerated rock

Section 7. REMARKS AND ADDITIONAL INFORMATION

Gravel Pack well

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Mark Hammond
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. If this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Revised June 1972

STATE ENGINEER OFFICE 118

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Bill & Beverly Gillock Owner's Well No. _____
Street or Post Office Address 159 Gillock RD.
City and State Carlsbad, N. M. 88220

Well was drilled under Permit No. C-2393 and is located in the:

a. ____ ¼ ____ ¼ S½ ¼ SE ¼ of Section 3 Township 23S Range 26E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Eddy County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461

Address Box 935 Artesia, N.M. 88210

Drilling Began 5-17-94 Completed 5-27-94 Type tools Cable Size of hole 11 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 290 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 245 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
252	261	9	broken conglomerate	
			water bearing	15

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	0	290	291	coller	240	290

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 06-07-94

Quad _____ FWL _____ FSL _____
23.26 3.43412

File No. C-2393 Use Domestic/Stock Location No. 23S.26E.3.43412

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	2	2	top soil
2	20	18	clichie & gravel rock
20	50	30	large gravel
50	60	10	brown shale
60	105	45	large gravel
105	135	30	brown shale with gravel
135	165	30	conglomerated rock
165	210	45	brown shale, gravel rock
210	235	25	yellow & tan conglomerated rock
235	240	5	crevice, lost fluid
240	252	12	conglomerated yellow& brown rock
252	261	9	conglomerated rock, water bearing
261	265	4	brown & tan shale with rock
265	275	10	conglomerated rock- some shale, possible water
275	290	15	conglomerated rock & shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

gravel pack with 8 yds 1" gravel 40' from surface

RECEIVED
'91 JUN 7 PM 12

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

J O. Hammons
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All items, except Section 5, shall be answered as completely and accurately as possible when any well is drilled. If this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Material Quantities

Material	Class A	Class B
Seed Mix	According to seed zone	2x seed zone weight
Compost Mulch	134 cu.yd./acre	NA
Fertilizer	1000 lbs./acre	1000 lbs./acre
Biotic Soil Amendment	NA	4000 lbs./acre for zones 2, 4, 6 4500 lbs./acre for zones 1, 3, 5
Straw	4000 lbs./acre	NA
Tackifier	200 lbs./acre	NA
Rock Mulch	NA	NA
Hydromulch with Tackifier	NA	2000 lbs./acre

Material Quantities

Seed Zone	Class A acres	Class B acres
5	0.50	0.60

TOTAL QUANTITIES

Seed Mix	5.14	12.336
Compost Mulch	67.00	NA
Fertilizer	500.00	600.00
Biotic Soil Amendment	NA	2700.00
Straw	2000.00	NA
Tackifier	100.00	NA
Rock Mulch	NA	NA
Hydromulch with Tackifier	NA	1200.00

Seed Mix	21.588
Compost Mulch	67.00
Fertilizer	1300.00
Biotic Soil Amendment	2700.00
Straw	100.00
Tackifier	100.00
Rock Mulch	0.00
Hydromulch with Tackifier	1200.00

Class C	Hand Application
2x seed zone weight	2x seed zone weight
NA	NA
1000 lbs./acre	1000 lbs./acre
NA	NA
NA	NA
NA	NA
300 tons/acre	NA
2000 lbs./acre	NA

Class C acres	Hand Application acres
0.00	0.20

0	4.112
NA	NA
0.00	200.00
NA	NA
NA	NA
NA	NA
0.00	NA
0.00	NA

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:
(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

(A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
(B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
(C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number: Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

SW W NW N

210 240 270 300 330 0

290°W (T) **LAT:** 32.321720 **LON:** -104.282981 ±9ft ▲ 3316ft

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB1921736522
District RP	2RP-5549
Facility ID	
Application ID	pAB1921736242

Release Notification

Responsible Party

Responsible Party Read & Stevens, Inc.	OGRID 18917
Contact Name Kelly Barajas	Contact Telephone 575-624-3760
Contact email kbarajas@read-stevens.com	Incident # *(assigned by OCD)* NAB1921736522
Contact mailing address PO Box 1518, Roswell, NM 88202	

Location of Release Source

Latitude 32.320914 32-19-15.29N NAD 83 Longitude -104.283364 104-17-00.11W

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bandit State #1 SWD	Site Type SWD well
Date Release Discovered 7/16/2019	API# *(if applicable)* 30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy County, NM

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 100	Volume Recovered (bbls) In Progress
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
There was a hole in the discharge line.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1921736522
District RP	2RP-5549
Facility ID	
Application ID	pAB1921736242

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? There was a minimum of 100 bbls of water released from the hole in the discharge line.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By phone, spoke with Robert Hamlet at the OCD office for Eddy County at 11:45 AM on July 16, 2019. Followed up with 3 emails.	

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.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
Joe Tovar is in contact with Republic Backhoe Service to find out when they are available to recover the water and contaminated soil from the release.

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: Kelly Barajas
Title: Production & Regulatory
Signature: KBarajas
Date: July 16, 2019
email: kbarajas@read-stevens.com
Telephone: 575-624-3760

OCD Only

Received by: Amalia Bustamante
Date: 8/5/2019

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1922139305
District RP	2RP-5567
Facility ID	
Application ID	pAB1922131667

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? There was a 75 bbls of water released from one of the fittings from a leak.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By phone, spoke with Victoria Venegas at the OCD office in Eddy County at 9:28 AM on July 29, 2019. Followed up with 1 email stating the same.	

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.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
Joe Tovar is in contact with Republic Backhoe Service to find out when they are available to recover the water and contaminated soil from the release.

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: Kelly Barajas
Title: Production & Regulatory
Signature: K Barajas
Date: July 29, 2019
email: kbarajas@read-stevens.com
Telephone: 575-624-3760

OCD Only

Received by: Amalia Bustamante
Date: 8/9/2019

District I
1625 N. French Dr., Hobbs, NM 88240
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nAB1922139305
District RP	2RP-5567
Facility ID	
Application ID	pAB1922131667

77K0G-190729-C-1410

Release Notification

Responsible Party

Responsible Party Read & Stevens, Inc.	OGRID 18917
Contact Name Kelly Barajas	Contact Telephone 575-624-3760
Contact email kbarajas@read-stevens.com	Incident # *(assigned by OCD)* NAB1922139305
Contact mailing address PO Box 1518, Roswell, NM 88202	

Location of Release Source

Latitude **32.320914 32-19-15.29N NAD 83** AB

Longitude **-104.283330 104-17-00.11W AB

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Bandit State #1 SWD	Site Type SWD well
Date Release Discovered 7/27/2019	API# *(if applicable)* 30-015-21071

Unit Letter	Section	Township	Range	County
F	10	23S	26E	Eddy County, NM

Surface Owner: ☑ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☑ Produced Water	Volume Released (bbls) 75	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
One of the fitting valves had a leak.

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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

nJMW1217334502

OPERATOR

X Initial Report Final Report

Name of Company Read & Stevens, Inc 18917	Contact Will Palmer
Address PO Box 1719, Lovington, NM 88260	Telephone No. (575) 396-5391
Facility Name Saragossa 10 State Tank Battery	Facility Type tank battery

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	Lease No. API 30-015-21071 Bandit St SWD #1

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	10	23-S	26-E					Eddy

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release produced oil	Volume of Release ~140 bbls	Volume Recovered 10 bbls
Source of Release Tank bottom developed leak	Date and Hour of Occurrence Between 1000 hours 6.5.12 and 1000 hours 6.6.12	Date and Hour of Discovery 06.6.12 1000 hours
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Mr. Mike Bratcher, OCD	
By Whom? Mr. Will Palmer	Date and Hour 06.6.12 – 1145 hours	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

RECEIVED
JUN 18 2012
NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Pumper started the circulating pump at the facility. A hole developed in the circulating line after the pumper left the location. The bermed area was filled with produced oil which broke over the top of the berm. Remedial action being done involveds replacing the leaking steel nipple.

Describe Area Affected and Cleanup Action Taken.*
The affected area is contained in a 150' x 150' tract. The affected soil is being removed and taken to an OCD approved land farm. Surface soil samples will be taken and checked for hydrocarbon contamination. Fresh topsoil will be purchased, hauled in, and contoured over area. Earthen berms will be rebuilt around the tank battery.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: William V. Palmer	OIL CONSERVATION DIVISION Signed By Mike Bratcher
Printed Name: William V. Palmer	Approved by District Supervisor:
Title: Manager, Production & Completions	Approval Date: JUN 21 2012 Expiration Date:
E-mail Address: WPALMER@READ-STEVENS.COM	Conditions of Approval: Attached ☐
Date: June 11, 2012 Phone: 575.396.5391	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules & Guidelines. **SUBMIT REMEDIATION PROPOSAL NOT LATER THAN:** 7/21/12

2RP-1180

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 243925

QUESTIONS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all the questions in this group.*	
Site Name	SARAGOSSA 10 STATE COM
Date Release Discovered	07/23/2023
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Human Error | Truck | Produced Water | Released: 220 BBL | Recovered: 70 BBL | Lost: 150 BBL.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
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)	water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. The total release was 220 bbls of water and 70 bbls were recovered. Everything stayed within the berm, repairs are being made to the tank

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Energy, Minerals and Natural Resources
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QUESTIONS (continued)

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Lauren Franco
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	07/25/2023
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	phone
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response *The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: 3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	OGRID: 331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	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.
☑	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.
☑	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.
☑	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.
☑	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 243925

CONDITIONS

Operator:	OGRID:
3R Operating, LLC 4000 N BIG SPRING ST Midland, TX 79705	331569
	Action Number: 243925
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
lfranco	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/25/2023

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Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company	Read & Stevens, Inc	Contact	Will Palmer
Address	PO Box 1518, Roswell, NM 88202	Telephone No.	505.396.5391
Facility Name	Shell State #3 flowline	Facility Type	flowline

Surface Owner	State of New Mexico	Mineral Owner	State of New Mexico	Lease No.	K-3836

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	18	11S	33E	1480	North	510	East	Lea

Latitude_____ Longitude_____

WTR 40'
3002523014000

NATURE OF RELEASE

Type of Release: produced oil & water	Volume of Release: 10 bbls	Volume Recovered: -0- bbls
Source of Release: flowline rupture	Date and Hour of Occurrence: 10.21.06 not sure of hour	Date and Hour of Discovery: 10.21.06 1000 hours
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Buddy Hill, OCD	
By Whom? Mr. Ricky Pearce	Date and Hour: 10.21.06 1000 hours	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Received

Describe Cause of Problem and Remedial Action Taken.*
The flowline carrying produced oil and water from the Shell State #3 well to the tank battery ruptured resulting in the release of approximately 10 barrels of produced fluid. The flowline was repaired and the leak stopped.

Describe Area Affected and Cleanup Action Taken.*
The affected area covered 20 ft by 60 ft. The contaminated material was removed to a depth of 5" below surface and was shipped to an aerated land farm. Fresh, uncontaminated material was placed in the affected area and leveled to the contour of the land. Grass seed, native to the area, was planted.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: William V Palmer

Printed Name: William V. Palmer

Title: Superintendent

E-mail Address: readandstevensinc@leaco.net

Date: October 26, 2006 Phone: 505.396.5391

OIL CONSERVATION DIVISION

Approved by District Supervisor: ENVIR ENGR

Approval Date: 5.29.07 Expiration Date: 7.29.07

Conditions of Approval: FINAL REPORT READ BY ATTACH ANALYTICALS, BILLS OF LADEN

Attached ☐

- Attach Additional Sheets If Necessary

incident - nPAC0715030512
application - pPAC0715030601

RP# 1383

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Bill Gillock Owner's Well No. 1
Street or Post Office Address 159 Gillock RD.
City and State Carlsbad N M 88220

Well was drilled under Permit No. C-2382 and is located in the:

a. ____ ¼ ____ ¼ S½ ¼ SE ¼ of Section 3 Township 23S Range 26E NMPM

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____
Subdivision, recorded in EDDY County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461
Address Box 935 Artesia, NM 88210

Drilling Began 4-6-94 Completed 4-16-94 Type tools cable Size of hole 10 in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 288 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 248 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
255	260	5	Broken Conglomerate	30

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	1	288	289	collar	228	288

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor ____
Address ____
Plugging Method ____
Date Well Plugged ____
Plugging approved by:
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 04-28-95
Quad ____ FWL ____ FSL ____
File No. C-2382 Use Domestic/Stock Location No. 23S.26E.3.43243

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	1	1	Top soil
1	20	19	clichie
20	50	30	gravel
50	60	10	brown shale
60	105	45	gravel
105	135	30	brown shale gravel
135	165	30	conglomerated rock
165	209	44	brown shale gravel
209	230	21	yellow & tan conglomerated rock
230	232	2	crevase
232	246	14	conglomerated rock
246	255	9	solid conglomerated rock
255	260	5	conglomerated rock (water)
260	281	21	shale and rock
281	288	7	conglomerated rock

Section 7. REMARKS AND ADDITIONAL INFORMATION

Gravel Pack well

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Mark Hammond
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. If this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

Revised June 1972

STATE ENGINEER OFFICE 118

WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Bill & Beverly Gillock Owner's Well No. _____
Street or Post Office Address 159 Gillock RD.
City and State Carlsbad, N. M. 88220

Well was drilled under Permit No. C-2393 and is located in the:

a. ____ ¼ ____ ¼ S½ ¼ SE ¼ of Section 3 Township 23S Range 26E N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Eddy County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor C & J Drilling License No. WD 461

Address Box 935 Artesia, N.M. 88210

Drilling Began 5-17-94 Completed 5-27-94 Type tools Cable Size of hole 11 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 290 ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 245 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
252	261	9	broken conglomerate	
			water bearing	15

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
7	23	8	0	290	291	coller	240	290

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by:
_____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 06-07-94

Quad _____ FWL _____ FSL _____

23.26 3.43412

File No. C-2393 Use Domestic/Stock Location No. 23S.26E.3.43412

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	2	2	top soil
2	20	18	clichie & gravel rock
20	50	30	large gravel
50	60	10	brown shale
60	105	45	large gravel
105	135	30	brown shale with gravel
135	165	30	conglomerated rock
165	210	45	brown shale, gravel rock
210	235	25	yellow & tan conglomerated rock
235	240	5	crevice, lost fluid
240	252	12	conglomerated yellow& brown rock
252	261	9	conglomerated rock, water bearing
261	265	4	brown & tan shale with rock
265	275	10	conglomerated rock- some shale, possible water
275	290	15	conglomerated rock & shale

Section 7. REMARKS AND ADDITIONAL INFORMATION

gravel pack with 8 yds 1" gravel 40' from surface

RECEIVED
'91 JUN 7 PM 12

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

J O. Hammons
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All items except Section 5, shall be answered as completely and accurately as possible when any well is drilled. If this form is used as a plugging record, only Section 1(a) and Section 5 need be completed.

OCD Permitting

[C-141] Remediation Closure Request C-141 (C-141-V-CLOSURE) Application

Submission Information

Submission ID:	408787	**Districts:**	Artesia
Operator:	[331569] 3R Operating, LLC	**Counties:**	Eddy
Description:	3R Operating, LLC [331569] , BANDIT STATE SWD #001 , nAB1922139305		
Status:	REJECTED		
Status Date:	12/17/2024		
References (2):	30-015-21071, nAB1922139305		

Forms

Attachments: Volume Calculation, Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Water Depth, Boring Logs, Photographs, Topo Aerial Maps, Lab Data, Proposed Technique, Estimated Volume, Closure Criteria, Proposed Schedule

Closure Criteria, Scaled Site Map, Photographs, Lab Samples OR Liner Integrity, Remediation Activities

Questions

Prerequisites

Incident Operator	[331569] 3R Operating, LLC
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-21071] BANDIT STATE SWD #001
Incident Facility	*Unavailable.*

Location of Release Source

Please answer all the questions in this group.

Site Name	BANDIT STATE SWD #001
Date Release Discovered	07/27/2019
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No

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

October 22, 2024

#BanditSWD_env_23

3R Operating, LLC
4000 North Big Spring-Suite 210 Midland, TX 79705
Attn: Randy Ferrell

SUBJECT: Remediation Closure Report for the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY Release (nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)** Eddy County, New Mexico

Dear Mr. Anderson,

On behalf of 3R Operating, LLC, Atkins Engineering Associates INC. (AEA) prepared the site assessment, field delineation and now the remediation closure. Prior communication with the division on the location was for remedial work plan approval. To quickly delineate the multiple releases of liquids related to oil and gas production activities at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY AEA used ***Visual Sample Plan Version 6.0*** (VSP) to define a confidence interval of 90% and sample plan design coupled with an Electromagnetic survey to accurately define the parameters or horizontal boundaries of the soil investigation. The site is in Unit F, Section 10, Township 23S, Range 26E, Eddy County, New Mexico, on State land.

Table 1: summarizes release information and Site Criteria

Table 1: Release Information and Closure Criteria			
Name	BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY	Company	Read & Stevens / 3R Operating
API Number	30-015-21071	Location	32.320914, -104.283330
Incident Number	(nAB1922139305), (nAB1921736522), (nJMW1217334502), (nAPP2319437518) and (NAPP2320640601**)**		
Estimated Date of Release	7/27/2019 – 7/13/2023	Date Reported to NMOCD	7/27/2019 – 7/13/2023
Landowner	State	Reported To	NMOCD District 2
Source of Release	Legacy releases from previous operator Read and Stevens OGRID (18917) and current		
NMOCD Closure Criteria	>100 feet to groundwater		

1.0 Background

Atkins Engineering Associates Inc. (AEA) was retained by 3R Operating, LLC (3R) to complete an Environmental Liability Assessment (ELA) study of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY former Read and Stevens oil and gas facilities acquired from Permian Resources Co. The purpose of this study was to identify, to the extent feasible, the environmental liability with respect to the assets located on the subject facilities and contiguous areas. As part of the ELA an Environmental & Administrative Orders search of the New Mexico Oil Conservation Division database was completed for the subject facilities area and then cross-referenced by operator. The search revealed three (3) Remediation Permits issued to the previous owner and/or operator. According to NMOCD documentation initial response activities were conducted by the pervious operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1 illustrates the vicinity and site location. All the C-141 forms are included in Appendix A.

During and soon after the acquisition of the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY two releases were discovered at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY and reported to NMOCD (nAPP2319437518) and (NAPP2320640601**).**

Incident NAPP2320640601 was discovered on July,25 2023 and reported to NMOCD the same day. The Cause was a water hauler failed to remove his hose after pulling a load of water and drove off with it connected, breaking the drain valve off the back of the tank. The total release was 220 bbls of water and 70 bbls were recovered. Everything stayed within the berm, repairs are being made to the tank. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

Incident nAPP2319437518 was discovered on July,13 2023 and reported to NMOCD the same day. The Cause was equipment failure at the wellhead causing a release of an estimated 75bbl of Produced Water on the locations pad. The release volume was estimated by operations staff and confirmed through the attached C141. Initial response activities were conducted by the current operator 3R, and included source elimination by means of repair and immediate site stabilization and release recovery of an estimated 50 bbls. Figure 1a illustrates the vicinity and site location. The C-141 forms are included in Appendix A.

The previous NMOCD submitted May, 31st 2024 Remediation Work Plan for the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY was denied by NMOCD because of the reasons listed below with AEAs responses.

- **The Remediation Plan is Denied. Figure 1b (showing extent of current and proposed excavation and existing sample locations) doesn't seem to be included in the report. Please include Figure 1b in the resubmittal. Sidewall samples need to be completed to laterally delineate the release. The site map will need to include the entire release area including horizontal/vertical delineation sample locations. Looking at the EM Survey,**

the release appears to have entered the pit area, crossed the road, and then collected on the east side of the road. The entire release area which may include the pit and road will need to be fully delineated.

- Figure 1 and Figure 4 were updated.
- AEA's Field geologist was on site September 20th 2023 and his logs for the soil bores are attached in the appendices. DPT-6 and DPT-2 logs show plastic at the surface and were determined by AEAs field geologist to the pit. DPT-2 is the southernmost boundary of the pit and geo referenced photo 1 shows the northernmost extent.
- Field sidewall samples performed by MMX were included and confirm the approximate areas found by the EM survey.
- Delineation has proven difficult because of the presence of an indurent soil or rock layer. The DPT rig hit refusal at four 4 to six 6 feet across the location as shown in the logs. The excavation of the location has also hit the same indurent soil or rock layer that the track hoe cannot penetrate thus limiting the excavation to the 4-foot in depth.

- **Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. All off-pad areas (roads, pasture, etc..) must meet reclamation standards set forth in the OCD Spill Rule.**
  - AEA agrees that the release should be excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site, see addition third party lab results and MMX sidewall samples in table 4.
  - AEA has provided the logs of two neighboring wells C2382 and C2393, because of the data exceeds the 25-year request by NMOCD, AEA staff contracted the Wells owner Justin Wilson and was granted permission to re-gauge both wells. AEA staff could only fit a water level probe past the manifold at one of the wells believed to be the C2393 and water was found to be 243ft from TOC.
  - AEA will collect closure samples that comply with standards set forth in the OCD Spill Rule.

The Remediation Plan was approved by NMOCD on August, 5th 2024.

2.0 Site Information and Closure Criteria

The BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY is located approximately 0.75 miles South the city Carlsbad Eddy County, New Mexico on State land at an elevation of approximately 3313 feet above mean sea level (amsl).

Based upon well logs submitted to the New Mexico Office of the State Engineers (NMOSE) (Appendix B), depth to groundwater in the area is estimated to be 245 feet below grade surface (bgs). There are known water sources within ½-mile of the location, according to the NMOSE. Livestock and Domestic wells C2393 and C2382. C2393 was recently gauged by AEA staff on September 20th 2023 and ground water was found to be 243ft from TOC. The nearest significant watercourse is Dark Canyon, located

approximately .5 miles West of the location. Figure 2 illustrates the site with 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Because both well logs are from 1994 the data exceeds the 25-year request by NMOCD, AEA staff contracted the Wells owner Justin Wilson and was granted permission to re-gauge both wells. All NMOCD hydrological and cave and karst setbacks are shown in figures 2-2b. Because the location is within the BLMs Karst Occurrence of medium Karst a **Cave and Karst Resource Inventory** was conducted by Southwest Geophysical Consulting LLC (SGC). The report is in the approved Work Plan.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC on the locations pad. 19.15.29.13(D)(1) NMAC says "The reclamation must contain a minimum of four feet of non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0." The affected pad has been excavated to a minimum of four feet and the remaining impacts are less than the standards of Table I of 19.15.29.12 NMAC

Table 2: summarizes standards of Table I of 19.15.29.12 NMAC

Remediation >100 feet to groundwater		
Chloride	EPA 300	20,000mg/kg
TPH (GRO+DRO+MRO)	EPA 8015M	2,500 mg/kg
BTEX	EPA 8021B	50 mg/kg

According to *Energy, Minerals and Natural Resources Department (EMNRD) Procedures for Implementation of the Spill Rule (19.15.29 NMAC) September 6, 2019, "The remediation requirements in Table 1 19.15.29.12 NMAC are the same for all releases, whether they occur on an active production site or not (19.15.29.12(C)(2) and (3) NMAC). Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction."* AEA and its subcontractor had a third-party Safety Professional (SESI) review the physical location and its surrounding area and determine the safe horizontal limits of the remedial excavation. Most of the impacted soil that can be removed safely on Pad and around neighboring utilities was performed in March of this year.

AEA plans to submit deferral request with its closure report after the completion of the remedial excavation in order to safely delineate the remining impacts.

Table 5 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B. Figure 1 illustrates the site 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. The Pad site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

In total five thousand seven hundred and fifty-six (5756) cubic yards of caliche and native soil has been sent to an NMOCD approved disposal. An addition fourteen hundred cubic yards (1460yd^3) was removed in the off-pad areas to reach the targeted less than 600 ppm Chloride in the top four (4)feet.

3.0 Release Characterization and Remediation Activities

Electromagnetic surveying was used as a "first-pass" investigation to accurately define the parameters or horizontal boundaries of the soil investigation. A Geonics Ltd. EM-38 ground conductivity meter that has been factory calibrated was used on site to collect data.

Figure 1 attached is a product of the fixed-frequency EM method used to map variations in ground conductivity, to identify anomalously conductive soils and infer changes in the soil characteristics and composition. This method used portable instrumentation consisting of a transmitter coil and a receiver coil. Primary magnetic field from the transmitter coil induces subsurface eddy currents, which in turn generate a secondary magnetic field that is intercepted by the receiver coil. The ratio of the primary and secondary magnetic fields is related to ground conductivity represented as ECa in mS/m.

The conductivity values are not specific values from discrete depths; they are weighted averages of conductivity between the surface and the depth of exploration of the EM field and are termed "apparent conductivities". The apparent conductivity values obtained are in units of millisiemens per meter (mS/m). The apparent conductivity (ECa) of the soil has been related to the paste extract conductivity {ECe) by the relationship ECa=5ECa (McNeill, 1986a). Table 3 (from McNeill, 1986a) illustrates this general relationship. Measurements are expressed in millisiemens/meter (mS/m).

Table 3: ECe to ECa Conversion

Soil Conductivity vs Salinity (from McNeill, 1986a)			
Salinity (NRCS)	**ECe (mS/cm) (Lab)**	**ECa (mS/m) (EM-38)**	**Figure Color**
NRCS Soil Background (site)	0-2	0-40	White to green
Slight	0-4	40-80	Yellow
Moderate	4-8	80-100	red
High	8-12	160-240	Purple

The table above shows the general correlation between laboratory soil saturated paste ECe and the apparent conductivity ECa measured by an EM unit.

AEA drilling staff arrived on location September 20th, 2023, after a cleared one call to sample the Saragossa 10 Battery and the Bandit #1 SWD. Using the EM survey, (VSP) and the NMOCD documentation AEA sample six (6) locations at the BANDIT STATE SWD #001 and SARAGOSSA 10 STATE BATTERY.

Field data from the soil bores is shown in Table 4 of the Work Plan. Based on the C141s release descriptions and the EM survey (see figure 1b) release is estimated to be on the locations pad and south and east of the locations pit. DPT-6 confirmed the locations pit to the north liner and drill cuttings were recorded. Based on the

three C141s release descriptions and the EM survey (see figure 1) release numbers nAPB192213905, nAB1921736522 and nJMV1217334502 were estimated to be in and around the Bandit #1 location.

A total of six (6) sample locations were investigated using a direct-push drill rig, to depths up to five 5 to 6 feet bgs. A minimum of three delineation samples were collected at each soil bore location and field screened NRCS EC and PID.

During remedial excavation activities March 4th 2024, AEAs sub-contractor collected sidewall samples to confirm the excavation boundaries using Hach strips for Cl-, sidewall or SW samples 1-14 are in table 4 and figure #4.

After the denial of the soil Work Plan, AEA performed a sampling event within the excavation on June 6th 2024 to confirm the previous soil borings and to get an up to date and lab confirmed contaminate concentration within the excavation. Samples BH1-BH8 are in table 4 and figure #4.

As summarized in Table 4 and shown in figure 1b, results indicated that the releases did not flow and or leach off the location except to the East of the lease road. An on-pad area of approximately 20,000 square feet and an off-pad area of 12,000 square feet remains impacted. The impacted area is also bordered by a. production flow lines to the north and the locations berm to the south. The effected soils are imported B-horizon from an area caliche pit and the native soils beneath.

AEA and its contractors to date have excavated approximately five thousand six hundred and fifty-four (5,654 yd^3) yards or soil in order to remediate the top four (4) feet of the pad to be compliant with, 19.15.29.13(D)(1) NMAC.

Figure 4 shows the extent of the current excavation and existing sample locations are shown in Figure 1b and figure 4.

All contaminated soil from the location has been hauled to a NMOCD approved facility (waste manifest will be available upon request).

At the completion of the remedial excavation AEA collected closure samples after the 7/17/2024 and 8/20/2024 notices to the NMOCD, NMSLO and the area Rancher. AEA collected confirmation samples, representing no more than 200 ft2 as specified in the NMOCD denial.

3.1 Deferral requested areas

As outlined in the NMSLO and NMOCD submitted Work Plan, the site is an active production site with active 3R owned and third party owned area utilities, some areas were unsafe to excavate and will need to be deferred. The areas immediately under or around the production equipment such as production tanks battery, wellhead, and the many pipelines and electrical lines.

Figure 4a shows the excavation and deferral areas on the southwest of the pad. First is the tank battery and the bermed area on the west side of the pad. The second is an unknown steel pipeline cutting across the location to the south, no area utility owners claimed the steel line nor was it marked, AEA discovered the utility during the EM survey and hand cleared the soil atop the line to depths of approximately 1-2ft. All of these areas shown in pink could not be excavated safely. Geo referenced photos of the area by AEA's field staff can be found in the appendix.

Figure 4b shows the location's large drilling/reserve pit to the north, the side walls of the excavation were taken to the nor until plastic, bentonite and cuttings were found. The well utilities that could be safely relocated such as the electrical, the tank load outs, and the flare header were temporarily rerouted across the pit to facilitate the remedial excavation. Geo referenced photos of the area by AEA's field staff can be found in the appendix.

Figure 4c shows the northern and eastern extent of the pit. The pit extends north of the lease road to the sample locations Pit 3-4. Both plastic and cuttings were found by AEA Geologist to the south of the sample points. At first AEA believed the pit stopped west of the north-south lease road, but further excavation on the east side of the lease road found plastic, and bentonite or drilling mud at approximately two (2) to two and a half (2.5) feet. Geo referenced photos of the findings by AEA's field Geologist can be found in the appendix.

4.0 Revegetation and Restoration

The area soils are not classified as "sensitive by the NRCS" and are classified as very slightly saline. The areas disturbed by the excavations or grading work performed by the AEA and its sub-contractors shall include revegetation as specified in the NMDOT Standard Specifications for Highway and Bridge Construction Section 632 'Seeding'. AEA has reseeded all areas which were denuded with vegetation during the facility's remedial excavation operations.

The reseeding work by 3R is subject to inspection and acceptance by the NMSLO staff. To reduce maintenance from erosion caused by unprotected soils and the spread of noxious weeds harmful to New Mexico agriculture.

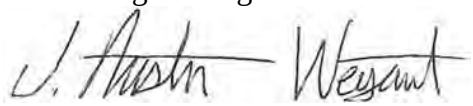
- all backfilled topsoil was sourced from a neighbor pit within the Reagan-Upton groups.
- The area was irrigated with less than 1000ppm TDS and less than 250 ppm Cl water sourced from Thunder Run.
- A slope of 0-3 percent was restored to match the area contours and the area was reseeded using NMSLO (LOAMY (L) SITES SEED MIXTURE) at double the published rates to accommodate for the use of hydroseeding.
- AEA also appled soil tackifier at NMDOT recommended rate of 100bs per acre to prevent erosion based on NMDOT Materials Quantities sheet in the appendix.
- AEA has a NMDA licensed applicator and will conduct invasive weed removal/spray event the following spring to insure no noxious or invasive weeds are present in the revegetation areas.

5.0 Variance and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:
Atkins Engineering Associates INC



Austin Weyant
Geoscientist

ATTACHMENTS:

Tables:

Table 1: NMOCD Closure Criteria

Table 2: Closure Sample Summary

Figures:

Figure 1: EM Conductivity Survey and vicinity and site location
Figure 1a: Release area map
Figure 1b: Site and Sample Location Map
Figure 2a-b: Setback Radius Map
Figure 3: Area Cave and Karst Resource Inventory
Figure 4: Utilities map
Figure 4a-c: Deferral Areas map
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Appendices:

Appendix A: Form C141
Appendix B: Lab Data
Appendix C: Geo referenced Photos

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes	
Depth to Groundwater (feet bgs)		245ft	NMOCD Logs
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)		.5 miles	Well C2382 C2393
Hortizontal Distance to Nearest Significant Watercourse (ft)		1.5 miles	Dark Canyon Draw

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		**Closure Criteria (units in mg/kg)**				
		Chloride *numerical limit or background, whichever is greater	**TPH**	**GRO + DRO**	**BTEX**	**Benzene**
< 50' BGS		600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'	245	20000	2500	1000	50	10
Surface Water	**yes or no**	**if yes, then**				
<300' from continuously flowing watercourse or other significant watercourse?	no	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	no					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	no					
<1000' from fresh water well or spring?	no					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	**no**					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	no					
<100' from wetland?	no					
within area overlying a subsurface mine	no					
within an unstable area?	no					
within a 100-year floodplain?	no					

AEA #

Table 2:
Summary of Sample Results

Sample ID	Sample Date	Depth (feet bgs)	Description	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- Field mg/Kg	Cl- mg/Kg	BTEX mg/kg
NMOCD 19.15.29 Guidance							2500	600	600/20000	50
DPT1-1'	9/20/2023	0-2	excavated	--	--	--	--	20144	--	--
DPT1- 2-4	9/20/2023	2-4	excavated	--	--	--	--	8775	--	--
DPT1- 4-4.5	9/20/2023	4-4.5	insitu/rock	--	--	--	--	130	--	--
DPT1-4'	6/6/2024	4	insitu/rock	<20	<25	<50	<100		582	<0.100
DPT2- 0-2'	9/20/2023	0-2	excavated	--	--	--	--	3064		--
DPT2- 2-4'	9/20/2023	2-4	excavated	--	--	--	--	1694		--
DPT2-6'	6/6/2024	6	insitu/rock	<20	<25	<50	<100		<20	<0.100
DPT-3 0-2	9/20/2023	0-2	excavated	--	--	--	--	1100		--
DPT-3 2-4	9/20/2023	2-4	excavated	--	--	--	--	815		--
DPT-3 4-5	9/20/2023	4-5	insitu/rock	--	--	--	--	221		--
DPT3-4'	6/6/2024	4	insitu/rock	<20	<25	<50	<100		299	<0.100
DPT-4 0-2'	9/20/2023	0-2	excavated	--	--	--	--	1191		--
DPT-4 2-4'	9/20/2023	2-4	insitu/rock	--	--	--	--	221		--
DPT5- 0-2'	9/21/2023	0-2	excavated	--	--	--	--	1831		--
DPT5-5'	9/22/2023	2-4	excavated	--	--	--	--	7299		--
DPT5-5'	9/23/2023	4-5	excavated	--	--	--	--	1203		--
DPT5-5'	6/6/2024	5	insitu/rock	<20	<25	<50	<100		606	<0.100
DPT5-5-6'	9/23/2023	5-6	insitu/rock	--	--	--	--	221		--
DPT6-0-2'	9/23/2023	0-2	insitu/pit	--	--	--	--	3064		--
DPT-6 2-4'	9/23/2023	2-4	insitu/pit	--	--	--	--	1694		--
DPT6 4'	6/6/2024	4	insitu/pit	<20	<25	<50	<100		4690	<0.100
DPT6 4-5'	9/23/2023	4-5	insitu/pit	--	--	--	--	2379		--
BH1-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		2100	<0.100
BH2-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		38.9	<0.100
BH3-4.5'	6/6/2024	5	insitu	<20	<25	<50	<100		1040	<0.100
BH5-2'	6/6/2024	2	insitu	<20	<25	<50	<100		4860	<0.100
BH5-3'	6/6/2024	3	insitu	<20	<25	<50	<100		3580	<0.100
BH6-2'	6/6/2024	2	insitu	<20	<25	<50	<100		166	<0.100
BH6-3'	6/6/2024	3	insitu	<20	<25	<50	<100		45.4	<0.100
BH7-2'	6/6/2024	2	insitu	<20	<25	<50	<100		1190	<0.100
BH7-3'	6/6/2024	3	insitu	<20	<25	<50	<100		721	<0.100
BH8-2'	6/6/2024	2	insitu	<20	<25	<50	<100		1640	<0.100
BH8-3'	6/6/2024	3	insitu	<20	<25	<50	<100		1700	<0.100
SW MMX1	3/4/2024	SW	insitu	--	--	--	--		289	--
SW MMX2	3/4/2024	SW	insitu	--	--	--	--		342	--
SW MMX3	3/4/2024	SW	insitu	--	--	--	--		76	--
SW MMX4	3/4/2024	SW	insitu	--	--	--	--		609	--
SW MMX5	3/4/2024	SW	insitu	--	--	--	--		152	--
SW MMX6	3/4/2024	SW	insitu	--	--	--	--		2150	--
SW MMX7	3/4/2024	SW	insitu	--	--	--	--		3920	--
SW MMX8	3/4/2024	SW	insitu	--	--	--	--		1808	--
SW MMX9	3/4/2024	SW	insitu	--	--	--	--		5915	--
SW MMX10	3/4/2024	SW	insitu	--	--	--	--		1808	--
SW MMX11	3/4/2024	SW	insitu	--	--	--	--		595	--
SW MMX12	3/4/2024	SW	insitu	--	--	--	--		389	--
SW MMX13	3/4/2024	SW	insitu	--	--	--	--		2265	--
SW MMX14	3/4/2024	SW	insitu	--	--	--	--		526	--
SP MMX15	3/4/2024	2	insitu	--	--	--	--		7516	--
SP MMX16	3/4/2024	2	insitu	--	--	--	--		8258	--

"--" = Not Analyzed

Table 2a:
Closure Sample Summary of Sample Results

Sample ID	Sample Date	Depth (feet bgs)	Description	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- Field mg/Kg	Cl- mg/Kg	BTEX mg/kg
NMOCD 19.15.29 Guidance							2500	600	(SW)600/(C)20000	50
SW1	7/22/2024	0-4	sidewall	<20	<25	<50	<100		10500	<0.100
SW2	7/22/2024	0-4	sidewall	<20	<25	<50	<100		113	<0.100
SW3	7/22/2024	0-4	sidewall	<20	<25	<50	<100		187	<0.100
SW4	7/22/2024	0-4	sidewall	<20	<25	<50	<100		107	<0.100
SW5	7/22/2024	0-4	sidewall	<20	<25	<50	<100		13200	<0.100
SW6	7/22/2024	0-4	sidewall	<20	<25	<50	<100		18100	<0.100
SW7	7/22/2024	0-4	sidewall	<20	<25	<50	<100		25200	<0.100
SW8	7/22/2024	0-4	sidewall	<20	<25	<50	<100		6020	<0.100
SW9	7/22/2024	0-4	sidewall	<20	<25	<50	<100		11100	<0.100
SW10	7/22/2024	0-4	sidewall	<20	<25	<50	<100		479	<0.100
SW11	7/22/2024	0-4	sidewall	<20	52.2	68.1	120.3		3320	<0.100
SW12	7/22/2024	0-4	sidewall	<20	<25	<50	<100		5480	<0.100
SW13	7/22/2024	0-4	sidewall	<20	148	115	263		11000	<0.100
SW14	7/22/2024	0-4	sidewall	<20	<25	<50	<100		14600	<0.100
PIT 1	7/22/2024	surface	pit surface	<20	<25	<50	<100		6560	<0.100
PIT 2	7/22/2024	surface	pit surface	<20	<25	<50	<100		17400	<0.100
PIT 3	7/22/2024	surface	pit surface	<20	<25	<50	<100		43.6	<0.100
PIT 4	7/22/2024	surface	pit surface	<20	<25	<50	<100		22.2	<0.100
C1	7/22/2024	4	insitu	<20	<25	<50	<100		1890	<0.100
C2	7/22/2024	4	insitu	<20	<25	<50	<100		34.7	<0.100
C3	7/22/2024	4	insitu	<20	<25	<50	<100		351	<0.100
C4	7/22/2024	4	insitu	<20	<25	<50	<100		371	<0.100
C5	7/22/2024	4	insitu	<20	<25	<50	<100		240	<0.100
C6	7/22/2024	4	insitu	<20	<25	<50	<100		846	<0.100
C7	7/22/2024	4	insitu	<20	<25	<50	<100		63.2	<0.100
C8	7/22/2024	4	insitu	<20	<25	<50	<100		109	<0.100
C9	7/22/2024	4	insitu	<20	<25	<50	<100		92.8	<0.100
C10	7/22/2024	4	insitu	<20	<25	<50	<100		321	<0.100
C11	7/22/2024	4	insitu	<20	<25	<50	<100		251	<0.100
C12	7/22/2024	4	insitu	<20	<25	<50	<100		35.3	<0.100
C13	7/22/2024	4	insitu	<20	<25	<50	<100		51.6	<0.100
C14	7/22/2024	4	insitu	<20	<25	<50	<100		300	<0.100
C15	7/22/2024	4	insitu	<20	<25	<50	<100		21	<0.100
C16	7/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
C17	7/22/2024	4	insitu	<20	<25	<50	<100		154	<0.100
C18	7/22/2024	4	insitu	<20	<25	<50	<100		123	<0.100
C19	7/22/2024	4	insitu	<20	<25	<50	<100		391	<0.100
C20	7/22/2024	4	insitu	<20	<25	<50	<100		684	<0.100
C21	7/22/2024	4	insitu	<20	<25	<50	<100		3830	<0.100
C22	7/22/2024	4	insitu	<20	<25	<50	<100		4340	<0.100
C23	7/22/2024	4	insitu	<20	<25	<50	<100		3390	<0.100
C24	7/22/2024	4	insitu	<20	<25	<50	<100		2450	<0.100
C25	7/22/2024	4	insitu	<20	<25	<50	<100		5830	<0.100
C26	7/22/2024	4	insitu	<20	<25	<50	<100		12700	<0.100
C27	7/22/2024	4	insitu	<20	<25	<50	<100		3190	<0.100
C28	7/22/2024	4	insitu	<20	<25	<50	<100		6830	<0.100
C29	7/22/2024	4	insitu	<20	<25	<50	<100		1280	<0.100
C30	7/22/2024	4	insitu	<20	<25	<50	<100		9120	<0.100
C31	7/22/2024	4	insitu	<20	<25	<50	<100		4170	<0.100
C32	7/22/2024	4	insitu	<20	<25	<50	<100		3530	<0.100
C33	7/22/2024	4	insitu	<20	<25	<50	<100		4870	<0.100
C34	7/22/2024	4	insitu	<20	<25	<50	<100		738	<0.100
C35	7/22/2024	4	insitu	<20	<25	<50	<100		3930	<0.100
C36	7/22/2024	4	insitu	<20	<25	<50	<100		1530	<0.100
C37	7/22/2024	4	insitu	<20	<25	<50	<100		277	<0.100
C38	7/22/2024	4	insitu	<20	<25	<50	<100		1380	<0.100
C39	7/22/2024	4	insitu	<20	<25	<50	<100		2220	<0.100
C40	7/22/2024	4	insitu	<20	<25	<50	<100		603	<0.100
C41	7/22/2024	4	insitu	<20	<25	<50	<100		3620	<0.100
C42	7/22/2024	4	insitu	<20	<25	<50	<100		49.7	<0.100
C43	7/22/2024	4	insitu	<20	<25	<50	<100		2950	<0.100
C44	7/22/2024	4	insitu	<20	<25	<50	<100		1920	<0.100
C45	7/22/2024	4	insitu	<20	<25	<50	<100		2740	<0.100
C46	7/22/2024	4	insitu	<20	<25	<50	<100		887	<0.100
C47	7/22/2024	4	insitu	<20	<25	<50	<100		829	<0.100
C48	7/22/2024	4	insitu	<20	<25	<50	<100		2000	<0.100
C49	7/22/2024	4	insitu	<20	<25	<50	<100		2340	<0.100
C50	7/22/2024	4	insitu	<20	<25	<50	<100		3160	<0.100

C51	7/22/2024	4	insitu	<20	<25	<50	<100		4160	<0.100
C52	7/22/2024	4	insitu	<20	<25	<50	<100		3600	<0.100
C53	7/22/2024	4	insitu	<20	<25	<50	<100		1220	<0.100
C54	7/22/2024	4	insitu	<20	<25	<50	<100		3540	<0.100
C55	7/22/2024	4	insitu	<20	<25	<50	<100		2400	<0.100
C56	7/22/2024	4	insitu	<20	<25	<50	<100		700	<0.100
C57	7/22/2024	4	insitu	<20	<25	<50	<100		1320	<0.100
C58	7/22/2024	4	insitu	<20	<25	<50	<100		6430	<0.100
SP1	8/22/2024	4	insitu	<20	<25	<50	<100		24.7	<0.100
SP2	8/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
SP3	8/22/2024	4	insitu	<20	<25	<50	<100		26.9	<0.100
SP4	8/22/2024	4	insitu	<20	<25	<50	<100		28	<0.100
SP5	8/22/2024	4	insitu	<20	<25	<50	<100		316	<0.100
SP6	8/22/2024	4	insitu	<20	<25	<50	<100		288	<0.100
SP7	8/22/2024	4	insitu	<20	<25	<50	<100		135	<0.100
SP8	8/22/2024	4	insitu	<20	<25	<50	<100		25.7	<0.100
SP9	8/22/2024	4	insitu	<20	<25	<50	<100		864	<0.100
SP10	8/22/2024	4	insitu	<20	<25	<50	<100		657	<0.100
SP11	8/22/2024	4	insitu	<20	<25	<50	<100		1180	<0.100
SP12	8/22/2024	4	insitu	<20	<25	<50	<100		1440	<0.100
SP13	8/22/2024	4	insitu	<20	<25	<50	<100		2050	<0.100
SP14	8/22/2024	4	insitu	<20	<25	<50	<100		1870	<0.100
SP15	8/22/2024	4	insitu	<20	<25	<50	<100		2000	<0.100
SP16	8/22/2024	4	insitu	<20	<25	<50	<100		373	<0.100
SP17	8/22/2024	4	insitu	<20	<25	<50	<100		802	<0.100
SP18	8/22/2024	4	insitu	<20	<25	<50	<100		682	<0.100
SP19	8/22/2024	4	insitu	<20	<25	<50	<100		105	<0.100
SP20	8/22/2024	4	insitu	<20	<25	<50	<100		578	<0.100
SP21	8/22/2024	4	insitu	<20	<25	<50	<100		376	<0.100
SP22	8/22/2024	4	insitu	<20	<25	<50	<100		1340	<0.100
SP23	8/22/2024	4	insitu	<20	<25	<50	<100		793	<0.100
SP24	8/22/2024	4	insitu	<20	<25	<50	<100		1080	<0.100
SP25	8/22/2024	4	insitu	<20	<25	<50	<100		711	<0.100
SP26	8/22/2024	4	insitu	<20	<25	<50	<100		902	<0.100
SP27	8/22/2024	4	insitu	<20	<25	<50	<100		2770	<0.100
SP28	8/22/2024	4	insitu	<20	<25	<50	<100		3900	<0.100
SP29	8/22/2024	4	insitu	<20	<25	<50	<100		1040	<0.100
SP30	8/22/2024	4	insitu	<20	<25	<50	<100		260	<0.100
SP31	8/22/2024	4	insitu	<20	<25	<50	<100		2210	<0.100
SP32	8/22/2024	4	insitu	<20	<25	<50	<100		1470	<0.100
SP33	8/22/2024	4	insitu	<20	<25	<50	<100		3750	<0.100
SP34	8/22/2024	4	insitu	<20	<25	<50	<100		2530	<0.100
SP35	8/22/2024	4	insitu	<20	<25	<50	<100		247	<0.100
SP36	8/22/2024	4	insitu	<20	<25	<50	<100		2360	<0.100
SP37	8/22/2024	4	insitu	<20	<25	<50	<100		1340	<0.100
SP38	8/22/2024	4	insitu	<20	<25	<50	<100		325	<0.100
SP39	8/22/2024	4	insitu	<20	<25	<50	<100		3160	<0.100
SP40	8/22/2024	4	insitu	<20	<25	<50	<100		2770	<0.100
SP41	8/22/2024	4	insitu	<20	<25	<50	<100		1700	<0.100
SP42	8/22/2024	4	insitu	<20	<25	<50	<100		1900	<0.100
SP43	8/22/2024	4	insitu	<20	<25	<50	<100		1090	<0.100
SP44	8/22/2024	4	insitu	<20	<25	<50	<100		1360	<0.100
SP45	8/22/2024	4	insitu	<20	<25	<50	<100		425	<0.100
SP46	8/22/2024	4	insitu	<20	<25	<50	<100		820	<0.100
SP47	8/22/2024	4	insitu	<20	<25	<50	<100		1770	<0.100
SP48	8/22/2024	4	SW insitu	<20	<25	<50	<100		475	<0.100
SP49	8/22/2024	4	SW insitu	<20	<25	<50	<100		48	<0.100
SP50	8/22/2024	4	SW insitu	<20	<25	<50	<100		46.5	<0.100
SP51	8/22/2024	4	SW insitu	<20	<25	<50	<100		22.8	<0.100
SP52	8/22/2024	4	SW insitu	<20	<25	<50	<100		21.8	<0.100
SP53	8/22/2024	4	SW insitu	<20	<25	<50	<100		37.3	<0.100
SP54	8/22/2024	4	SW insitu	<20	<25	<50	<100		<20	<0.100
SP55	8/22/2024	4	SW insitu	<20	<25	<50	<100		<20	<0.100
SP56	8/22/2024	4	insitu	<20	<25	<50	<100		108	<0.100
SP57	8/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
SP58	8/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
SP59	8/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
SP60	8/22/2024	4	insitu	<20	<25	<50	<100		<20	<0.100
C80	7/22/2024	4	insitu	<20	<25	<50	<100		965	<0.100
C81	7/22/2024	4	insitu	<20	<25	<50	<100		894	<0.100
C82	7/22/2024	4	insitu	<20	<25	<50	<100		683	<0.100
C83	7/22/2024	4	insitu	<20	<25	<50	<100		9140	<0.100
C84	7/22/2024	4	insitu	<20	<25	<50	<100		10200	<0.100

C85	7/22/2024	4	insitu	<20	<25	<50	<100		12200	<0.100
C86	7/22/2024	4	insitu	<20	<25	<50	<100		8260	<0.100
C87	7/22/2024	4	insitu	<20	<25	<50	<100		14600	<0.100
C88	7/22/2024	4	insitu	<20	<25	<50	<100		6480	<0.100
C89	7/22/2024	4	insitu	<20	<25	<50	<100		7830	<0.100
C90	7/22/2024	4	insitu	<20	<25	<50	<100		582	<0.100
C91	7/22/2024	4	insitu	<20	<25	<50	<100		582	<0.100
C92	7/22/2024	4	insitu	<20	<25	<50	<100		582	<0.100
C93	7/22/2024	4	insitu	<20	<25	<50	<100		582	<0.100
"--" = Not Analyzed										

FIGURES

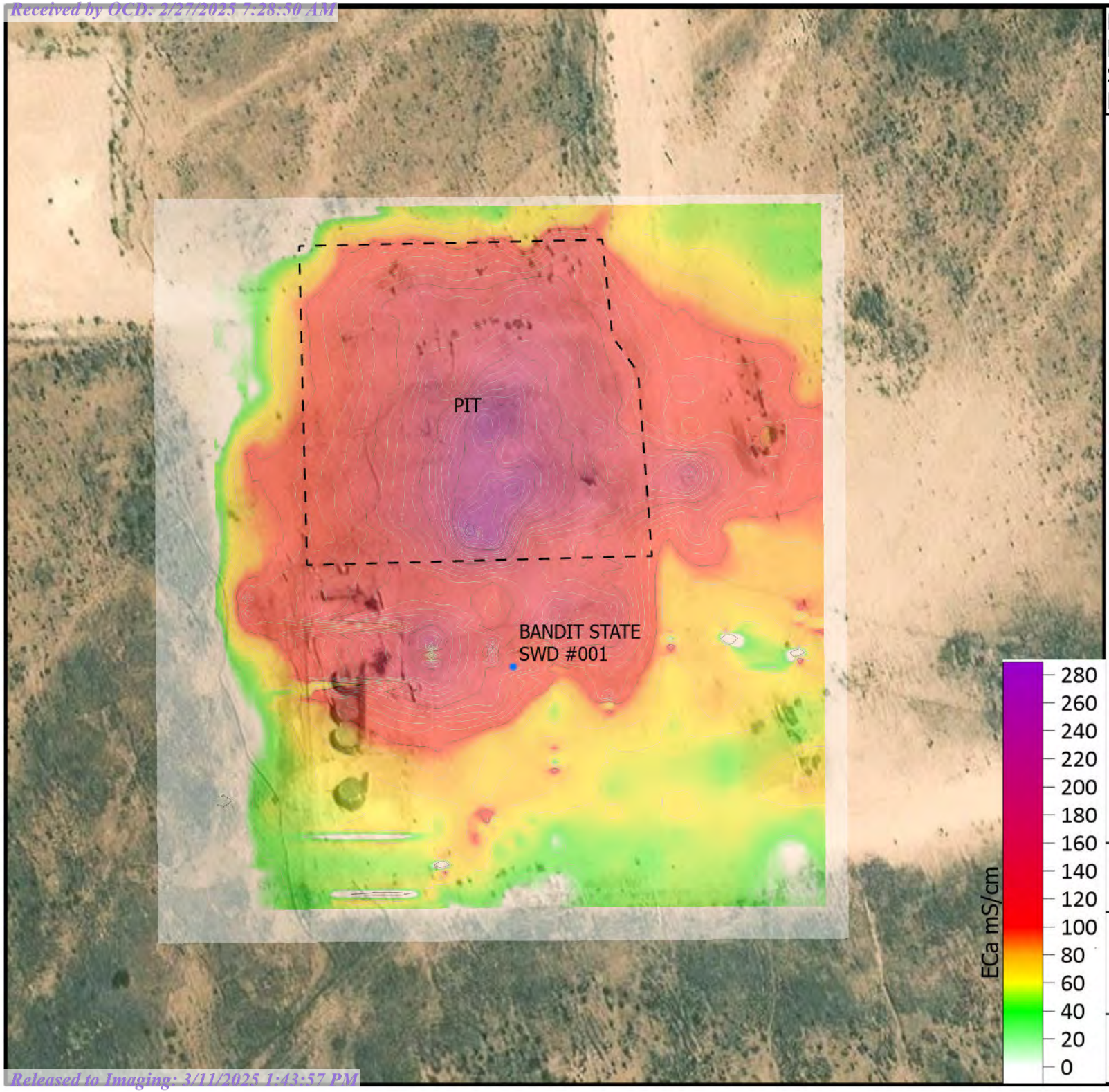

FIGURE 1 EM 38 ECa
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY
ECa Map

LEGEND

- Apx. Area
- NMOCD Wells

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

Atkins ENGINEERING ASSOCIATES

FIGURE 1a Release Area
BANDIT STATE SWD #001
SARAGOSSA 10 STATE BATTERY

LEGEND

- Apx. Area
- NMOCD Wells

N

0 40 80 160

Scale: 1:1,000 Feet

32.320914, -104.283330

JOB No. bandit_env_23

DATE FIELD: 03/22/23 DRAWN JAW

DATE DRAWN: 3/1/2024 REVIEW LCM

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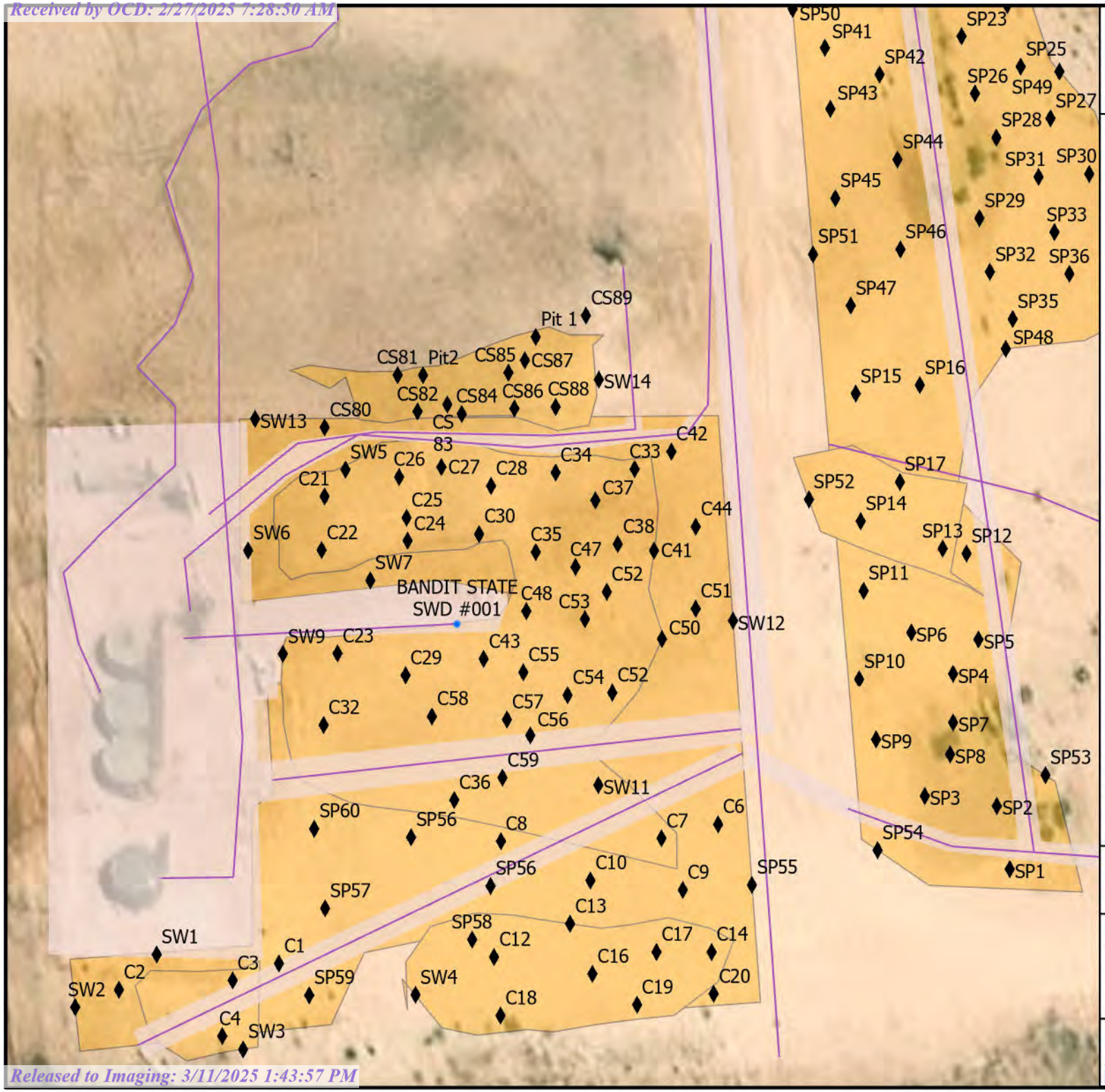

FIGURE 1b
Closure Sample Map
BANDIT STATE #1 SWD

LEGEND

- Excavation Area
- NMOCD Wells
- Closure Sample Location
- Pipeline
- Deferral_Area

N

0 20 40 80

Scale: 1:500 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23

DATE FIELD: 11/07/2023 DRAWN LCM

DATE DRAWN: 10/21/2024 REVIEW JAW

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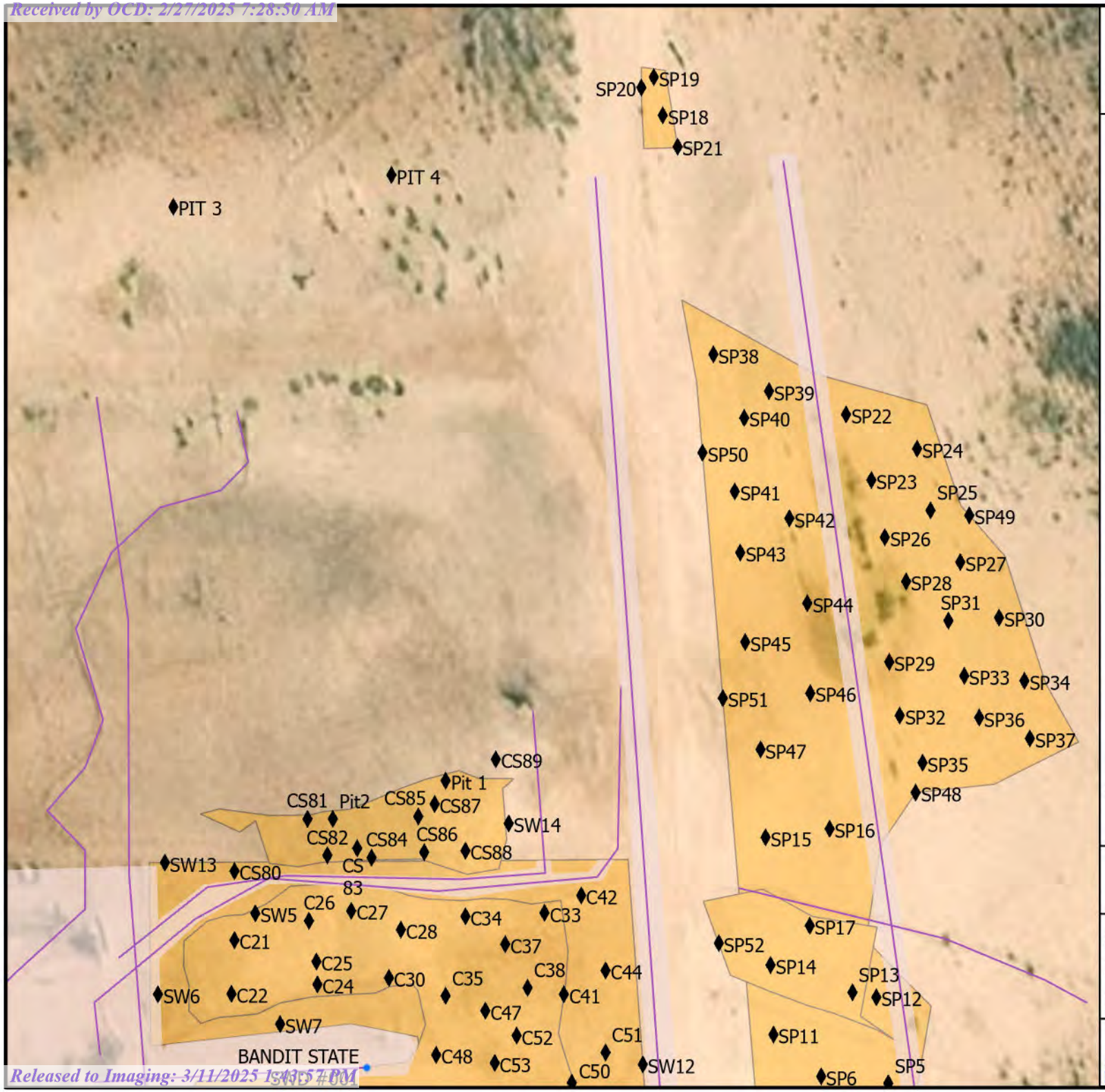


FIGURE 1c
Closure Sample Map
BANDIT STATE #1 SWD

LEGEND

- Excavation Area
- NMOCD Wells
- Closure Sample Location
- Pipeline
- Deferral_Area

N

0 20 40 80

Scale: 1:500 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23

DATE FIELD: 11/07/2023 DRAWN LCM

DATE DRAWN: 10/21/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

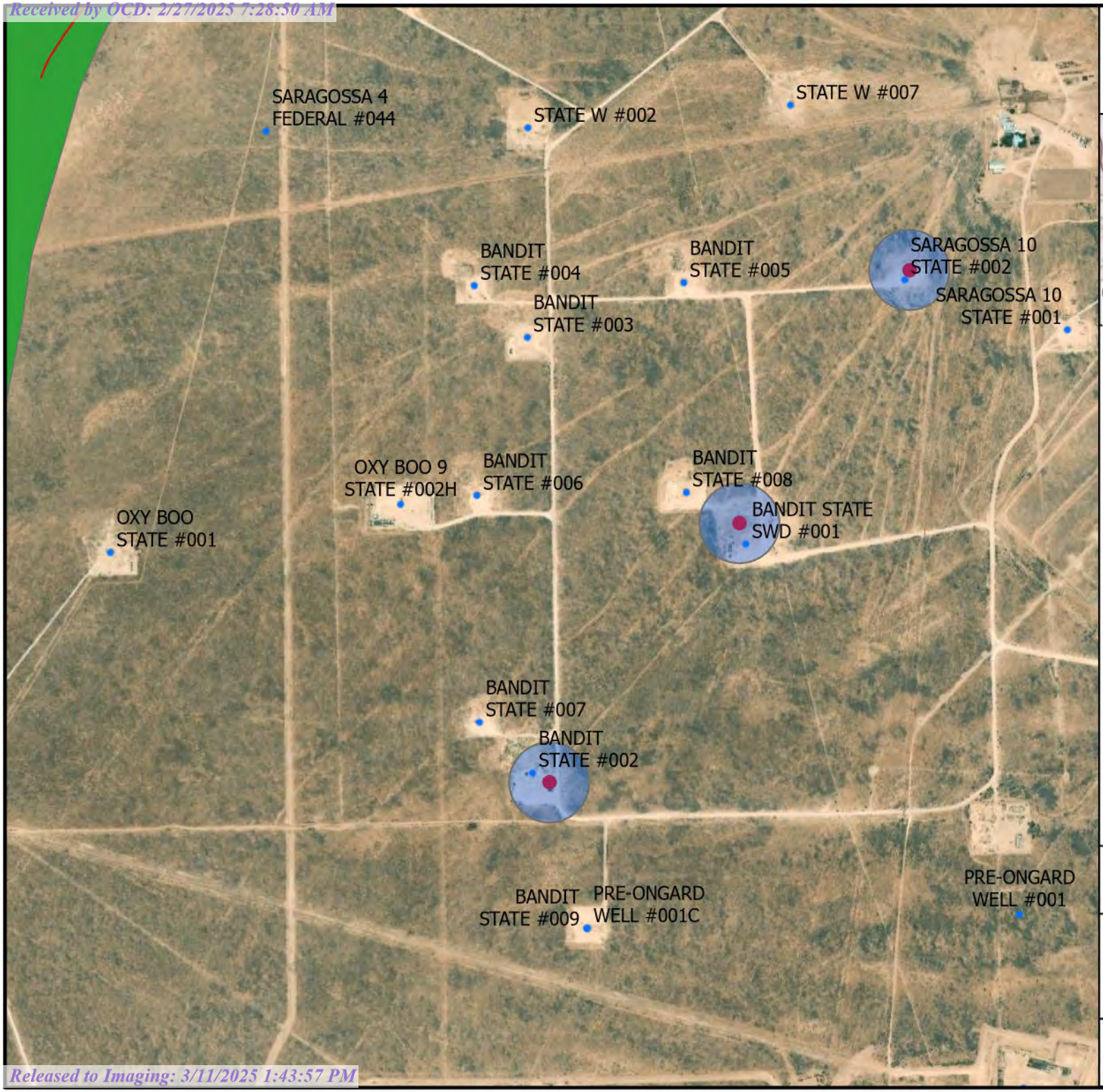
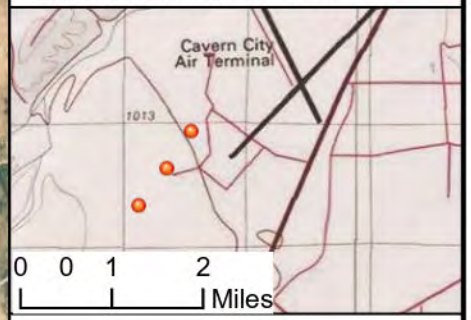


FIGURE 2
Hydrology Setbacks
Bandit #1 SWD



LEGEND

- Release Point
- Lakes_Playas
- Springs_Seeps
- Streams_Canals
- Flowlines_SENM
- FEMA_Flood_Zones_2011
- NMOCD Wells
- ReleasePoint_Buffer3

N

0 420 840 1,680

Scale: 1:10,000 Feet

BANDIT STATE #1
SARAGOSSA BATT

DRAWN LCM

DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins
ENGINEERING ASSOCIATES

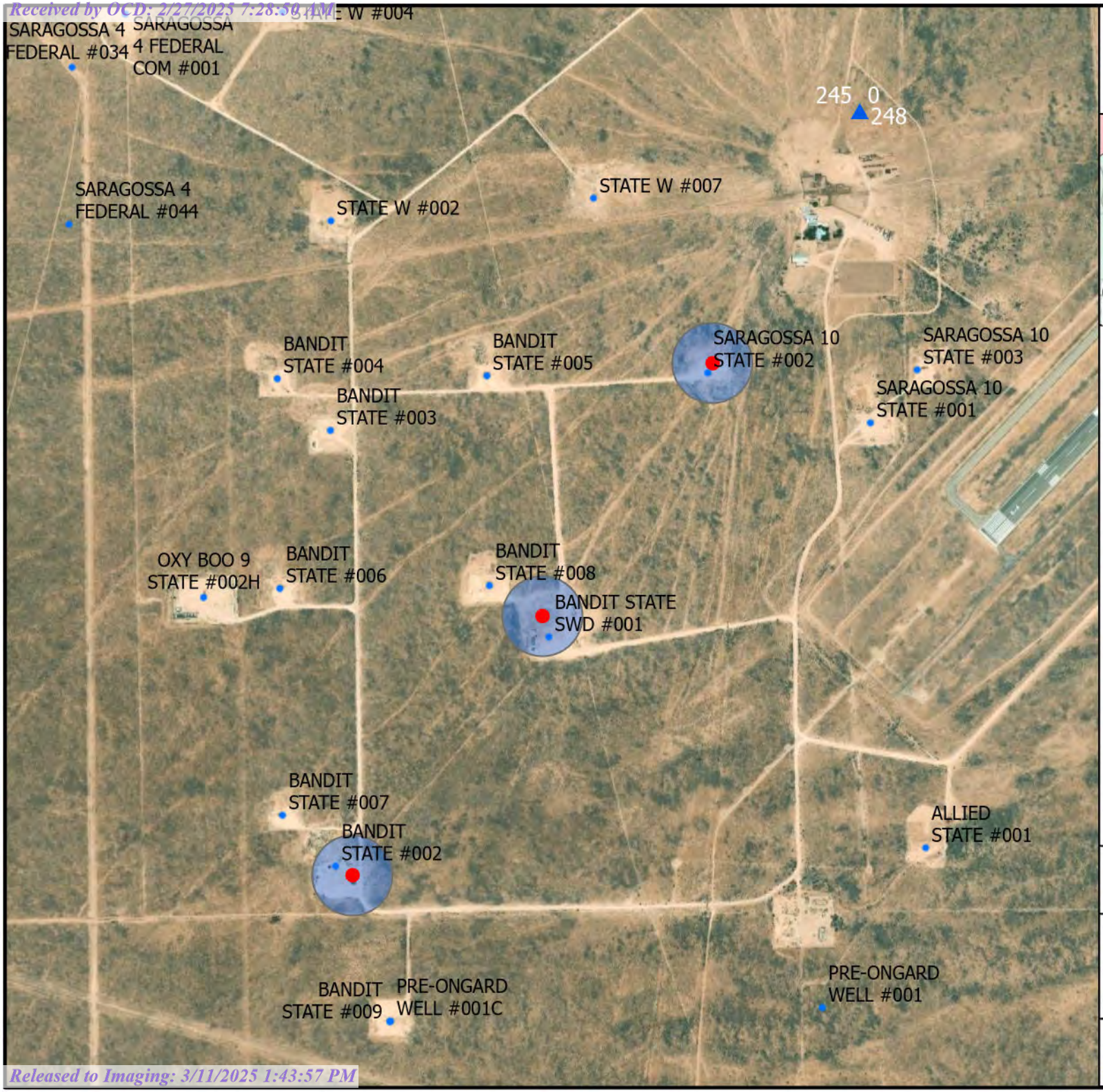
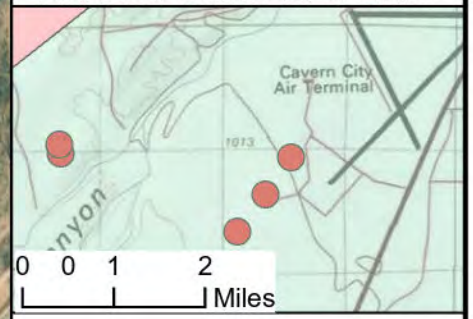


FIGURE 2b
Karst and NMOSE PODs
BANDIT STATE #1 SWD



LEGEND

- KarstOccurrence
- CriticalKarstZone
- Release Point
- OSE_Points_of_Diversion
- NMOCD Wells
- ReleasePoint_Buffer2

N

0 420 840 1,680
Scale: 1:10,000 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23
DATE FIELD: 11/07/2023 DRAWN LCM
DATE DRAWN: 3/13/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

Figure #3 Area Cave and Karst Resource Inventory

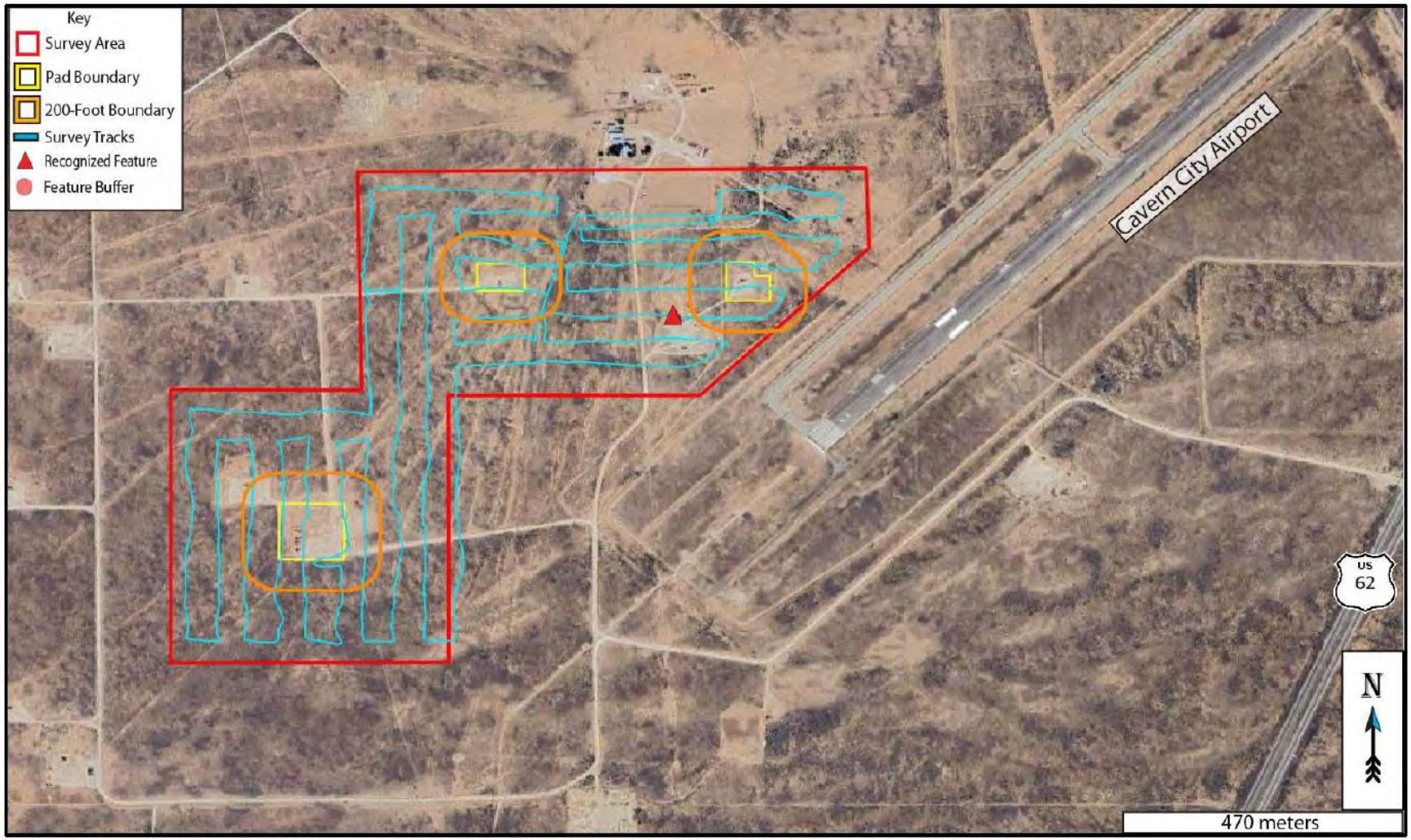


Figure 4: Survey overview. Red polygon is the study area. Blue wavy lines are the actual survey lines walked by Decker. Red triangle is the located karst feature. Red translucent circle is the buffer zone for the karst features (10 meters in diameter for this feature, hidden beneath the feature symbol in the image). See accompanying data files ATKE-002-20240312_SARG_Data_Files for more details. Background image credit: Google Earth. Image date: April 15, 2023. Datum: WGS-84.

FIGURE 4a
Deferral Request SW
BANDIT STATE #1 SWD

LEGEND

- Excavation Area
- NMOCD Wells
- Closure Sample Location
- Pipeline
- Deferral_Area

N

0 10 20 40
Scale: 1:250 Feet

BANDIT STATE #1 SWD

JOB No. bandit_env_23
DATE FIELD: 11/07/2023 DRAWN LCM
DATE DRAWN: 10/21/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES

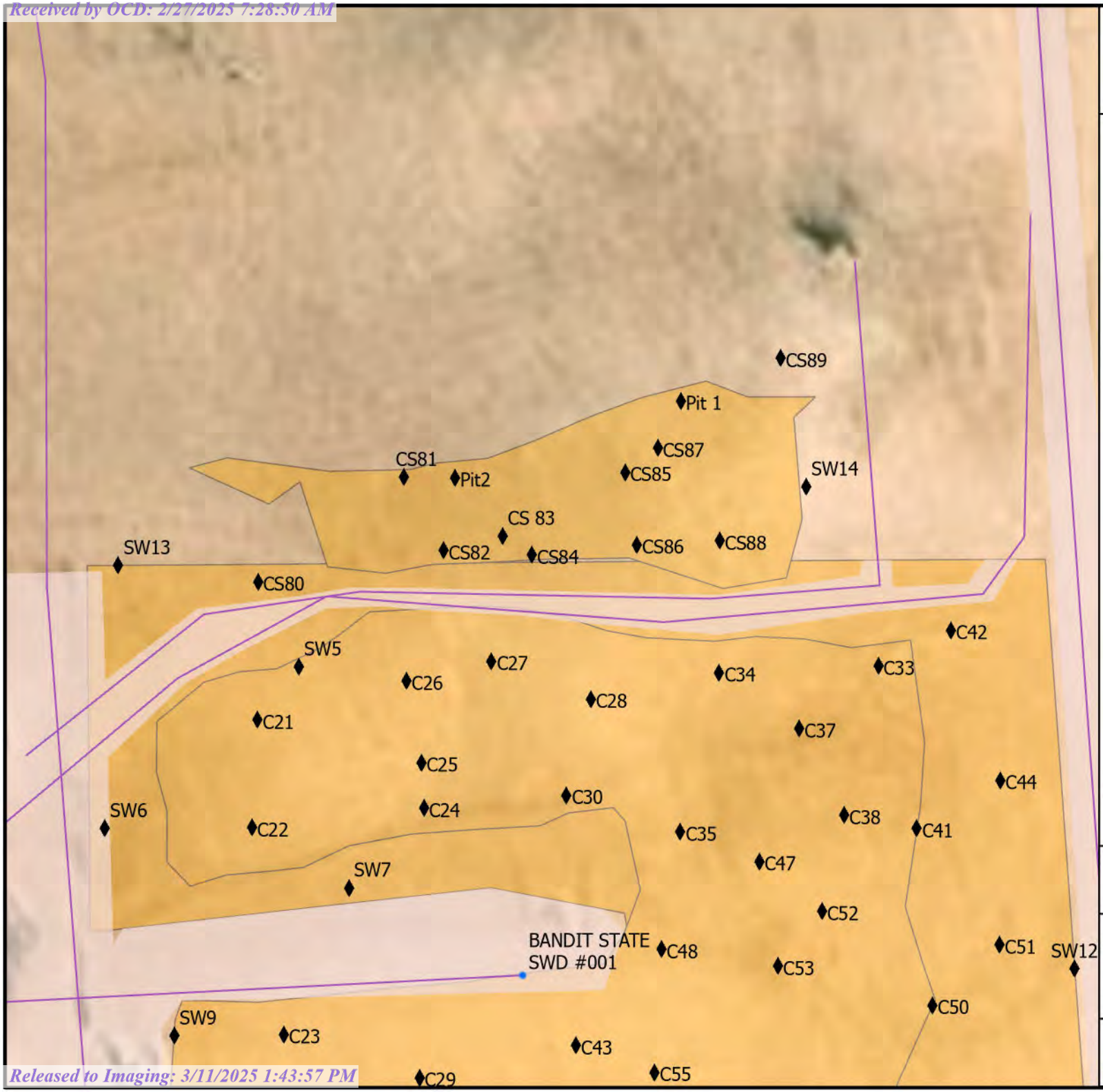


FIGURE 4a
Deferral Request SW
BANDIT STATE #1 SWD

LEGEND

- Excavation Area
- NMOCD Wells
- Closure Sample Location
- Pipeline
- Deferral_Area

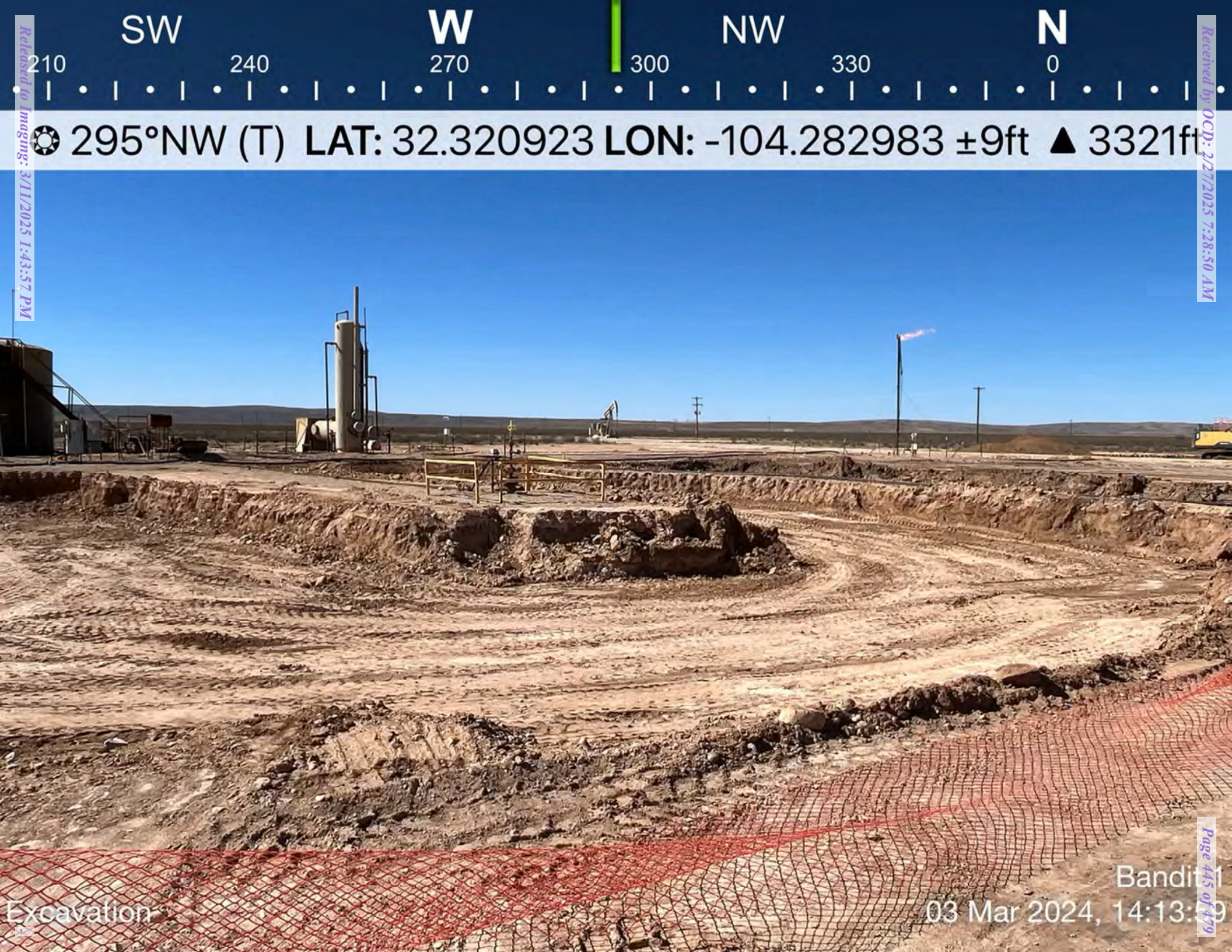
N

0 10 20 40
Scale: 1:250 Feet

BANDIT STATE #1 SWD

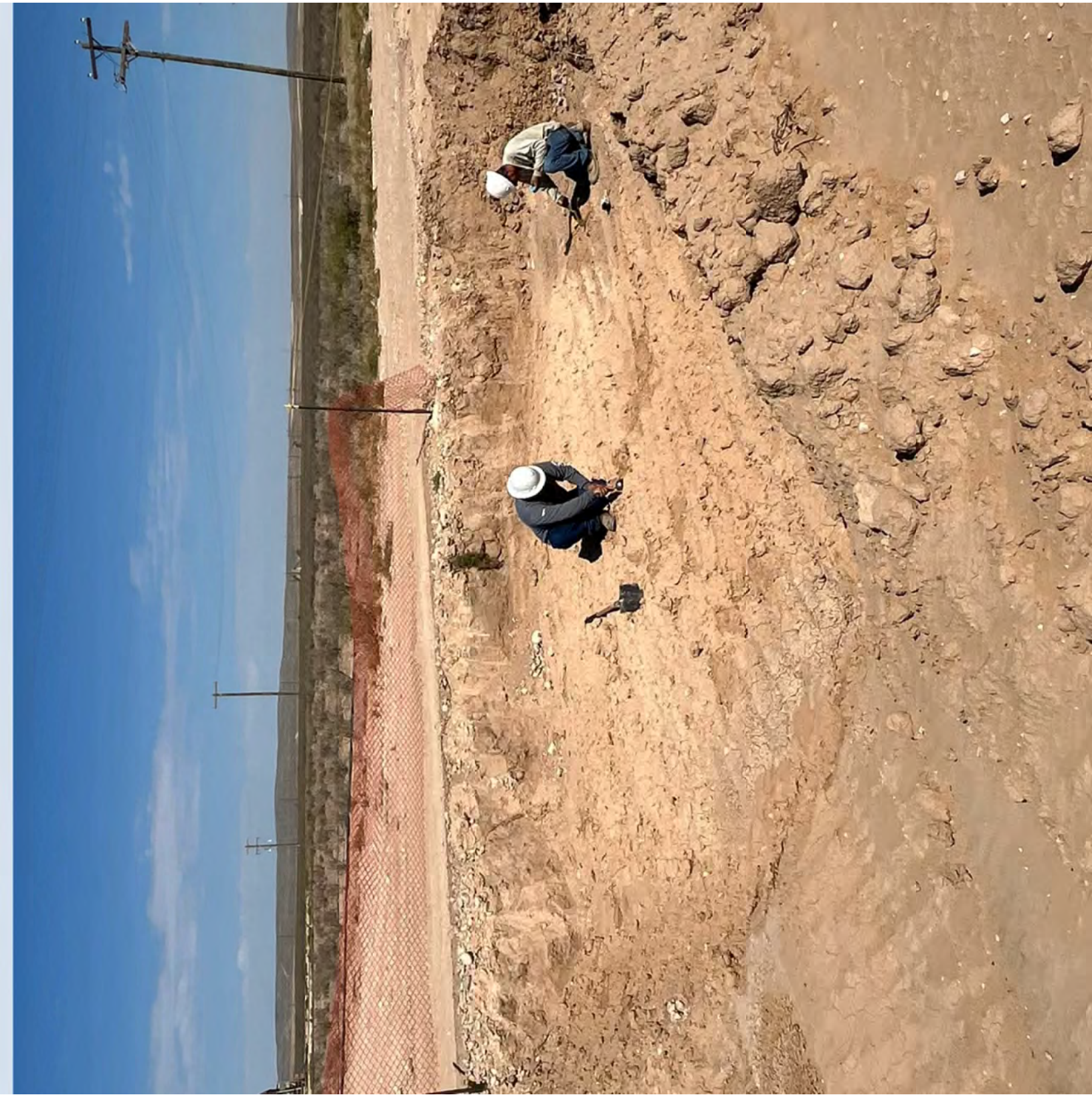
JOB No. bandit_env_23
DATE FIELD: 11/07/2023 DRAWN LCM
DATE DRAWN: 10/21/2024 REVIEW JAW

Atkins ENGINEERING ASSOCIATES



NW 330 N 0 30 NE 60 E 90 120

37°NE (T) **LAT:** 32.320729 **LON:** -104.283347 ±13ft ▲ 3321ft



to fresh water

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: **Other** | Valve | Produced Water | Released: 75 BBL | Recovered: 0 BBL | Lost: 75 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: Human Error | Water Tank | Condensate | Released: 220 BBL | Recovered: 70 BBL | Lost: 150 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there **additional details** for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

Nature and Volume of Release (continued)

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 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 follo If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed the follow-up C-141 submission.

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 f 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 shc 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 do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Lauren Franco Email: lfranco@3roperating.com Date: 12/05/2024

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)

A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipa beginning and completing the remediation.

On what estimated date will the remediation commence	06/06/2024
On what date will (or did) the final sampling or liner inspection occur	06/06/2024
On what date will (or was) the remediation complete(d)	06/06/2024
What is the estimated surface area (in square feet) that will be remediated	20000
What is the estimated volume (in cubic yards) that will be remediated	3500

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the ren then it should consult with the division to determine if another remediation plan submission is required.

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipa beginning and completing the remediation.

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 f 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 shc 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 do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Lauren Franco Email: lfranco@3roperating.com Date: 12/05/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the ren then it should consult with the division to determine if another remediation plan submission is required.

Liner Inspection Information

Last liner inspection notification (C-141L) recorded	***{Unavailable.}***
Was all the impacted materials removed from the liner	*Unavailable.*

Remediation Closure Request

What was the total volume (cubic yards) remediated	7416
Summarize any additional remediation activities not included by answers (above)	NA well covered in report

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 (in .pd 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

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 f 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 shc 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 do 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 i 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.

I hereby agree and sign off to the above statement	Name: Lauren Franco Email: lfranco@3roperating.com Date: 12/05/2024

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

Summary:

bhall (12/16/2024), Remediation closure report denied. Please be advised that the remediation plan was also denied as it was submitted incorrectly.

bhall (12/16/2024), The attached closure report includes a "deferral requested areas" section. Please review the Digital C-141 guidance documents which can be found at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/ or https://www.emnrd.nm.gov/ocd/ocd-forms/ in order to correctly submit a deferral request. Closure will not be granted to any release that is not completely remediated and contamination is left in place.

bhall (12/16/2024), Additionally, OCD reviews deferrals on a case-by-case basis. Major facility deconstruction typically involves concrete poured pads, structures, engineered designed facilities that include automation/electrical lines, sprayed in liners, etc. Poly surface lines do not constitute for a deferral and contamination around and under poly surface lines must be remediated.

bhall (12/16/2024), Areas requested for deferral must be fully delineated. No samples were collected from in and around the battery to show that this area has been delineated Deferrals will not be granted in the pasture area adjacent to the site or on the lease road.

bhall (12/16/2024), Attached report states "AEA collected confirmation samples, representing no more than 200 ft2 as specified in the NMOCD denial". A total of 124 base samples were collected which is 86 samples short for a 42,000 sq ft excavation.

bhall (12/16/2024), Based on the samples with "SW" (sidewall) descriptions, 22 sidewall samples were collected. OCD calculated that at least 70 sidewall samples were required to meet the confirmation/final sampling requirement of 5-point composite samples representative of no more than 200 square feet must be collected from the walls and base of the excavation pursuant to 19.15.29.12D.(1)(c) NMAC and the statement in the report.

bhall (12/16/2024), SW8 and SP55 are not illustrated on the included maps

bhall (12/16/2024), SP1 through SP60 were indicated as outside of hold time for TPH (DRO,GRO, and ORO) and BTEX by the analytical laboratory. These samples will not be accepted as confirmation/final samples.

bhall (12/17/2024), The contamination found at the location of the historic drilling pit must be fully delineated, both horizontally and vertically. As the pit is in an area not reasonably needed for production or subsequent drilling activities, the upper 4 feet must be reclaimed and revegetated pursuant to 19.15.29.13 NMAC.

The responsible party may request a variance from this requirement upon a showing of good cause as determined by the division." Proper two business day notification wa not given. The C-141N was submitted on 8/20/2024 for sampling to be completed on 8/23/2024. All samples submitted as confirmation/final samples were collected prior to 8/23/2024.

bhall (12/17/2024), Include documentation of the field verification of the depth to groundwater in the next submittal.

bhall (12/17/2024), Numerous analytical results listed on the table for DRO, ORO, and TPH are incorrect. For example, the laboratory returned results of 46.3 m/kg DRO, 54.9 mg/kg, and 101.2 mg/kg TPH for C21.

bhall (12/17/2024), Laboratory analytical reports include results for sample C59 which is not on the table or map.

bhall (12/17/2024), Laboratory analytical reports were not included for samples C90-C93.

bhall (12/17/2024), Submit a complete and accurate report through the OCD Permitting website by 3/21/2025.

Go Back

Appendix G
Cultural Properties Protection Rule Documentation

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:
(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

(A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.

(B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.

(C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number: Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

Appendix H
Special Species and Critical Habitat Report

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Eddy County, New Mexico

Local office

New Mexico Ecological Services Field Office

(505) 346-2525
(505) 346-2542

2105 Osuna Road Ne
Albuquerque, NM 87113-1001

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Mexican Spotted Owl Strix occidentalis lucida Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8196	Threatened
Northern Aplomado Falcon Falco femoralis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1923	EXPN
Piping Plover Charadrius melodus There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6039	Threatened

Clams

NAME	STATUS
Texas Hornshell Popenaias popeii Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/919	Endangered

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Flowering Plants

NAME	STATUS
Lee Pincushion Cactus Coryphantha sneedii var. leei Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2504	Threatened
Sneed Pincushion Cactus Coryphantha sneedii var. sneedii Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4706	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2] and the Migratory Bird Treaty Act (MBTA) [1]. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The data in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the Supplemental Information on Migratory Birds and Eagles document to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide avoidance and minimization measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle (Bald and Golden Eagle Protection Act requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) [1] prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds

- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases birds of concern, including Birds of Conservation Concern (BCC), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the Nationwide avoidance and minimization measures for birds document, and any other project-specific avoidance and minimization measures suggested at the link Measures for avoiding and minimizing impacts to birds for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the Supplemental Information on Migratory Birds and Eagles document, to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Black-chinned Sparrow Spizella atrogularis This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9447	Breeds Apr 15 to Jul 31
Cactus Wren Campylorhynchus brunneicapillus guttatus This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8834	Breeds Mar 5 to Sep 30

Cassin's Sparrow Peucaea cassinii This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9512	Breeds Aug 1 to Oct 10
Chestnut-collared Longspur Calcarius ornatus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Henry's Common Nighthawk Chordeiles minor henryi This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 21 to Aug 25
Varied Bunting Passerina versicolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 25 to Sep 30

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (▬)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence

in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

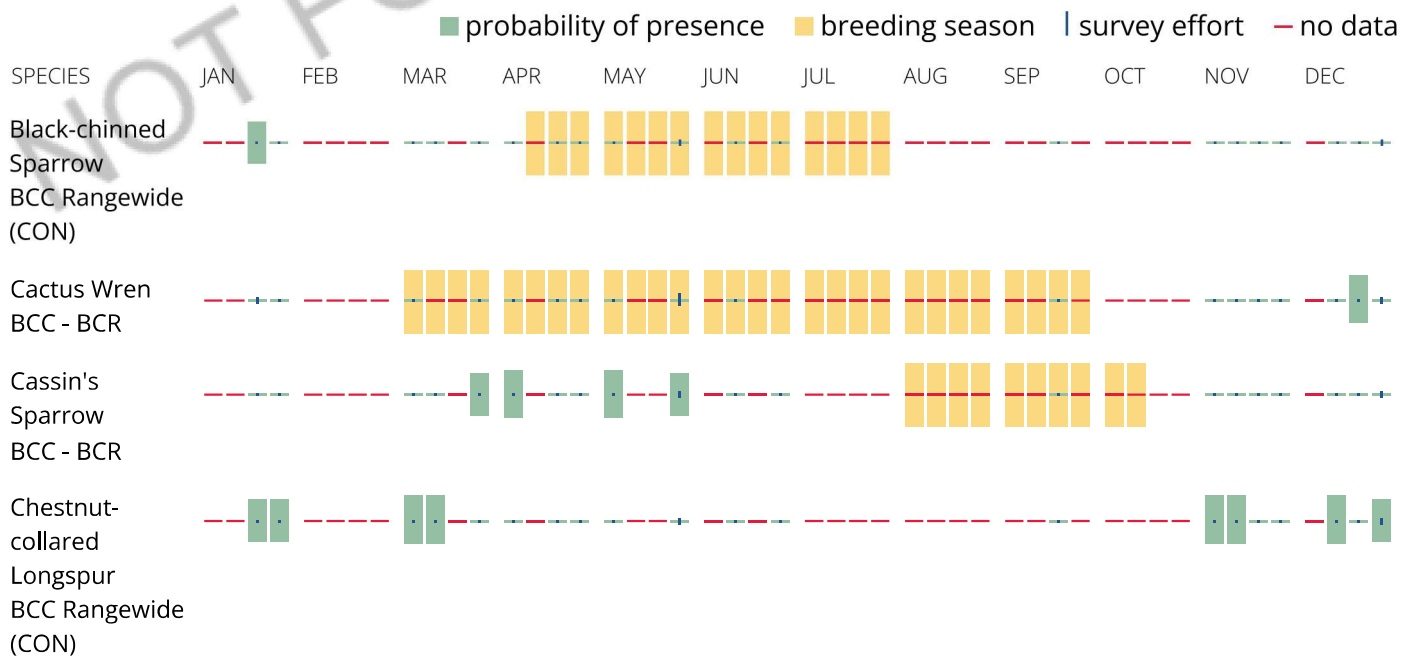
Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

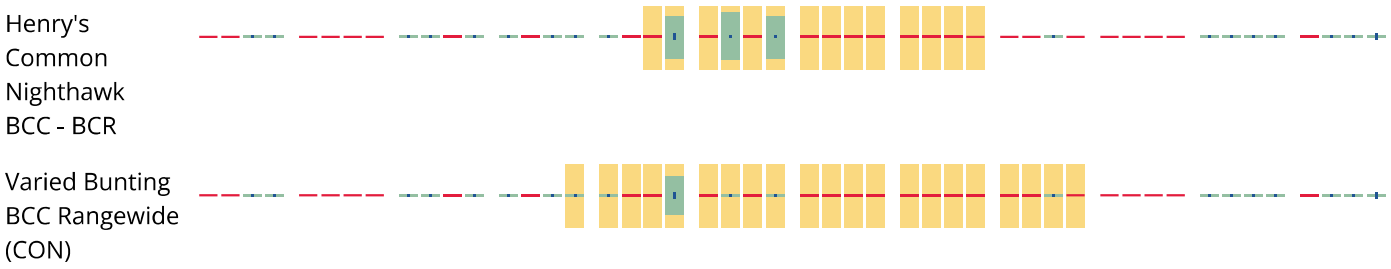
Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Avoidance & Minimization Measures for Birds describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the Bald and Golden Eagle Protection Act and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle (Bald and Golden Eagle Protection Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of *all* birds *potentially* present in your project area, and to verify survey effort when no results present, please visit the Rapid Avian Information Locator (RAIL) Tool.

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the RAIL Tool and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Bald and Golden Eagle Protection Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ “Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds”.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs
Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:
The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 436108

QUESTIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2319437518**
Incident Name	**NAPP2319437518 BANDIT STATE SWD #1 @ 30-015-21071**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-015-21071] BANDIT STATE SWD #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BANDIT STATE SWD #1
Date Release Discovered	07/07/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Fitting | Produced Water | Released: 75 BBL | Recovered: 50 BBL | Lost: 25 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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

Per Paragraph (4) of Subsection B of 19.15.29.8 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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Lauren Franco Email: lfranco@3roperating.com Date: 02/27/2025

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	25200
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1135
GRO+DRO	(EPA SW-846 Method 8015M)	834
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		09/23/2023
On what date will (or did) the final sampling or liner inspection occur		04/25/2025
On what date will (or was) the remediation complete(d)		05/25/2025
What is the estimated surface area (in square feet) that will be reclaimed		117287
What is the estimated volume (in cubic yards) that will be reclaimed		17360
What is the estimated surface area (in square feet) that will be remediated		117287
What is the estimated volume (in cubic yards) that will be remediated		14320
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	*Not answered.*
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Redbluff
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Lauren Franco Email: lfranco@3roperating.com Date: 02/27/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**375393**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/23/2024**
What was the (estimated) number of samples that were to be gathered	**60**
What was the sampling surface area in square feet	**12000**

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

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CONDITIONS

Operator:	OGRID:
3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	331569
	Action Number: 436108
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	3/11/2025
bhall	OCD is requiring that at least 1 5-point composite sample for every 5 samples that were received out of hold time. For example, the furthest east excavated area (containing sample locations SP22-SP37) had 16 samples collected that were out of hold time. This area would require 3 equally spaced, representative composite soil samples. A total of 10 equally spaced, representative composite soil samples must be collected from the areas depicted on Figure 4.	3/11/2025
bhall	Sampling notification must be submitted via the C-141N at least 2 business days prior to collecting final/confirmation samples.	3/11/2025
bhall	Any contamination found above the applicable closure criteria must be remediated unless the remediation would require a major facility deconstruction, at which point a deferral request must be submitted. The upper 4 feet of any excavations located in areas not reasonably needed for production or subsequent drilling activities must meet the requirements of 19.15.29.13 NMAC.	3/11/2025
bhall	Submit a complete and accurate report through the OCD Permitting website by 6/13/2025.	3/11/2025