



SITE REMEDIATION AND CLOSURE REPORT

**DAYTON RECYCLE LAYFLAT LINE
32.7100048, -104.344324
UNIT A, SECTION 35 T18S-R26E
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID # nAPP2326254488**

PREPARED FOR:

**SILVERBACK OPERATING
108 S 4TH STREET
ARTESIA, NEW MEXICO 88210**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

APRIL 5, 2024

A blue ink signature of Mr. William Kierdorf, consisting of a stylized 'W' followed by several loops.

**Mr. William Kierdorf, REM
Project Manager**

A blue ink signature of Mr. Max Cook, consisting of a stylized 'M' followed by several loops.

**Mr. Max Cook, CAPM (TX)
Senior Project Manager**

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- Attachment 2 – Laboratory Analytical Reports
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**SITE REMEDIATION AND CLOSURE REPORT
DAYTON RECYCLE LAYFLAT LINE
32.710048 -104.344324
EDDY COUNTY, NEW MEXICO
NMOCD INCIDENT ID #nAPP2326254488**

1.0 SITE LOCATION AND BACKGROUND

The Dayton Recycle Layflat Line (Site) is located on private property, approximately 9.6 miles south-southeast of Artesia, within Eddy County, New Mexico. The Site is situated in Unit A, Section 35, T18S-R26E at GPS coordinates 32.710048, -104.344324.

On September 16, 2023, a release was discovered along the Dayton Recycle Layflat Line which is operated by Silverback Operating II, LLC (Silverback). A failure of the aboveground line resulted in the release of an unknown volume of produced water. Upon discovery of the release, immediate action was taken to stop the release of fluids and a vacuum truck was dispatched to the Site and recovered approximately 230 barrels (bbls) of released fluids.

During the initial response, representatives of Silverback documented the extent of the area observed to have been impacted by the release. Due to the unknown volume and nature of the release, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) (NMOCD Incident # nAPP2326254488) on September 16, 2023.

On October 4 and 5, 2023, representatives of Silverback conducted assessment activities to determine the extent and depth of impacts associated with the release incident. The site assessment activities included the installation of excavation test holes and hand auger borings and the collection of soil samples for laboratory analysis. The results of the site assessment activities were summarized in Ranger's November 28, 2023 *Site Characterization, Assessment, and Proposed Remediation Plan* (Remediation Plan). In addition to summarizing the results of the site assessment activities, the report also provided site characterization details and a proposed remediation plan to address the impacts at the Site. On January 31, 2024, the NMOCD approved the Remediation Plan with conditions of approval including the approval of the proposed confirmation sample analysis, an alternative sampling frequency, and the request for additional vertical delineation sampling.

Based upon the NMOCD approval of the Remediation Plan, soil removal operations have been completed at the Site. The following *Site Remediation and Closure Report* has been prepared in order to document the completion of the soil remediation and cleanup confirmation sampling activities completed at the Site.

A Topographic Map and Area Map noting the location of the subject Site and surrounding areas are attached. Additionally, Site maps illustrating the Site features and sampling locations are also attached.

2.0 SITE REMEDIATION

2.1 Closure Criteria

Based upon Site characterization details¹ provided in the November 28, 2023 Remediation Plan and the subsequent NMOCD approval of the Remediation Plan, the Site was remediated to the Table 1 19.15.29.12 NMAC (groundwater 51'-100' feet) criteria (Approved Table 1 Criteria). Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The approved site closure criteria are detailed below:

SITE CLOSURE CRITERIA

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')	10,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ²	---	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details are included in the Site Characterization, Assessment, and Proposed Remediation Plan, dated November 28, 2023. A review of the site characterization details is included below.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.

2.2 Site Characterization Review

Below is a summary of the Site Characterization details for the Site:

- **What is the shallowest depth to groundwater beneath the area affected by the release (ft bgs):** 52.51 feet below ground surface.
- **What Method was used to determine the depth to groundwater:** Gauging of a private water well by Ranger personnel on September 27, 2023.
- **Did this Release Impact groundwater or surface water:** No
- **What is the minimum distance, between the closest lateral extents of the release and following 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.)
 - **An occupied permanent residence, school, hospital, institution, or church:** Between 1,000 (ft) and ½ (mi)

- **A spring or private domestic water well used by less than five household for domestic or stock watering purposes:** *Between 1,000 (ft) and ½ (mi.)*
- **Any other fresh water well or spring:** *Between 1,000 (ft) and ½ (mi.)*
- **Incorporated municipal boundaries or a defined municipal fresh water field:** *Greater than 5 (mi.)*
- **A wetland:** *Between ½ and 1 (mi.)*
- **A subsurface Mine:** *Greater than 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 1,000 (ft) and ½ (mi.)*
- **Did the release impact areas not on an exploration, development, production, or storage site:** Yes

2.3 Impacted Soil Removal and Confirmation Sampling

In order to address the impacts of the release, soil removal operations were completed at the Site from January 2024 through February 2024. During the excavation process, representatives of Silverback conducted periodic assessment of the excavated areas utilizing an organic vapor monitor (OVM) and field chloride titration kit to assist in guiding the excavation to appropriate boundaries. Upon completion, the excavated area had maximum dimensions of approximately 1,187 feet by 240 feet and was completed to a depth of approximately four feet bgs. To confirm the excavation had been completed to appropriate boundaries, cleanup confirmation soil samples were collected in accordance with the methods approved by the NMOCD in the Remediation Plan and subsequent January 31, 2024 correspondence.

Confirmation soil samples were collected as five-part composite samples with each sample representing no more than 400 square feet. The samples were collected from various locations and depths from the excavation side walls, and from areas within the excavation base. Upon collection, the composite sample parts were placed into new Ziploc® bags, thoroughly mixed, and samples for laboratory analysis were collected from the mixture.

Upon collection, the cleanup confirmation soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of total chloride using SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the laboratory analytical results, all soil samples collected from the excavation side walls were documented to have chloride concentrations within the applicable Reclamation Criteria. Additionally, all samples collected from the excavation base areas were documented to have chloride concentrations below the Approved Table 1 Criteria.

Multiple site maps depicting the excavation extent area and final confirmation sample locations are attached.

2.4 Additional Vertical Delineation

The January 31, 2024 NMOCD approval of the Remediation Plan for the site included a condition of approval requesting that additional vertical delineation activities be completed at two sample locations (TP23-04 and TP23-5) during the initial assessment at the Site in October 2023.

On February 22, 2024, Ranger personnel and representatives for Silverback completed additional vertical delineation assessment activities at the two NMOCD requested locations. Utilizing earth moving equipment, excavation test holes were completed in the immediate area of sample locations TP23-04 and TP23-05. During the excavation test hole installation process, Ranger personnel conducted field screening of the generated soils using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and/or presence of impacts in the area. Based on the observed field readings, the additional assessment at the TP23-04 location was completed to a depth of approximately eight feet bgs and the assessment at the TP23-05 location was completed to a depth of approximately 10 feet bgs. To confirm the vertical extent of impacts, soil samples for laboratory analysis were collected from each additional vertical delineation assessment location.

Upon collection, the vertical delineation samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8021; and total chloride using SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the laboratory analytical results for the vertical delineation samples collected on February 22, 2024, all four samples were documented to have BTEX and TPH concentrations below the laboratory detection limit for those respective constituents. The chloride analytical results for the samples collected at the TP23-05 location documented that chloride concentrations were within the target delineation chloride criteria of 600 mg/Kg at depths of six and 10 feet bgs. However, the vertical delineation samples collected at the TP23-04 location, at a depth of six and eight feet bgs, were documented to have chloride concentrations that exceeded the target chloride criteria of 600 mg/Kg.

In order to complete the required vertical delineation of chloride impacts in the TP23-04 area, Ranger personnel and representatives for Silverback returned to the Site on March 15, 2024, to complete additional assessment activities. Utilizing a hand auger, a soil boring was completed in the immediate area of test excavation TP23-04. During the soil boring installation process, Ranger personnel conducted field screening of the generated soils using an OVM and a field chloride titration kit to assist in evaluating the soil conditions and/or presence of impacts in the area. Based on the observed field readings, the hand auger boring at the TP23-04 location was completed to a depth of approximately 12 feet bgs. To confirm the vertical extent of impacts, two soil samples were collected for laboratory analysis from a depth of approximately 10 and 12 feet bgs.

Upon collection, the samples were submitted to cardinal laboratories in Hobbs, New Mexico for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and total chloride using SM 4500. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the laboratory analytical results for the samples collected on March 15, 2024, both samples were documented to have BTEX and TPH concentrations below the laboratory detection

limit for those respective constituents. The laboratory chloride results for the samples collected at the TP23-04 also documented that chloride concentrations were below the target delineation chloride criteria of 600 mg/Kg at depths of 10 and 12 feet bgs.

2.5 Final Sample Results

Upon review of the final cleanup confirmation sample results, all areas have been documented to be below the Restoration, Reclamation and Re-Vegetation criteria detailed in NMAC 19.15.29.13 and/or the NMAC 19.15.9.12 Table 1 (DTGW >100') criteria. A comprehensive sample results table summarizing the laboratory analytical results for all of the cleanup confirmation soil samples collected during the remediation process is attached. Copies of the laboratory analytical reports including chain-of-custody documentation are also attached.

The laboratory analytical results for the additional vertical delineation sampling were successful in delineating the chloride concentrations to below 600 mg/Kg at both the NMOCD requested TP23-04 and TP23-05 locations. Additionally, all samples collected from the two locations were documented to have TPH and BTEX concentrations below the laboratory detection limits for the respective constituents.

Throughout the remedial process, the NMOCD was notified in accordance with NMAC 19.15.29.12 prior to the performance of the cleanup confirmation sampling events. Copies of the notifications are attached.

2.6 Waste Disposal

All soils generated during the remedial excavation activities were transported and disposed of at NMOCD approved disposal facilities.

SITE CLOSURE

3.1 Site Backfill and Revegetation

Based on the soil sample laboratory results, the excavated areas will be backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13.

Upon completion of the site backfill activities, the areas will be re-seeded with an appropriate seed mixture. A copy of the seed mixture is attached.

3.2 Closure Request

Based on the site assessment activities and results of the cleanup confirmation soil samples, the site has been properly addressed pursuant to NMAC 19.15.29 and Silverback respectfully requests closure of the incident.

Below is a summary of closure C-141 information:

- **Requesting a remediation closure approval with this submission:** Yes
- **Have the lateral and vertical extent of contamination been fully delineated:** Yes
- **Was the release entirely contained within a lined area:** Yes
- **What was the total surface area (in square feet) remediated:** 62,594 (square feet)

- **What was the total volume (cubic yards) remediated:** 9,936 (cubic yards)
- **All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/Kg chlorides, 100 mg/Kg TPH, 50 mg/Kg BTEX, and 10 mg/Kg Benzene:** No*
- **What was the total surface area (in square feet) reclaimed:** 62,594 (square feet)*
- **What was the total volume (in cubic yards) reclaimed:** 9,936 (cubic yards)*
- **Summarize any additional remediation activities not included by answers (above):**
*Backfill and reclamation efforts the site will be completed upon NMOCD closure approval.

FIGURES

Topographic Map

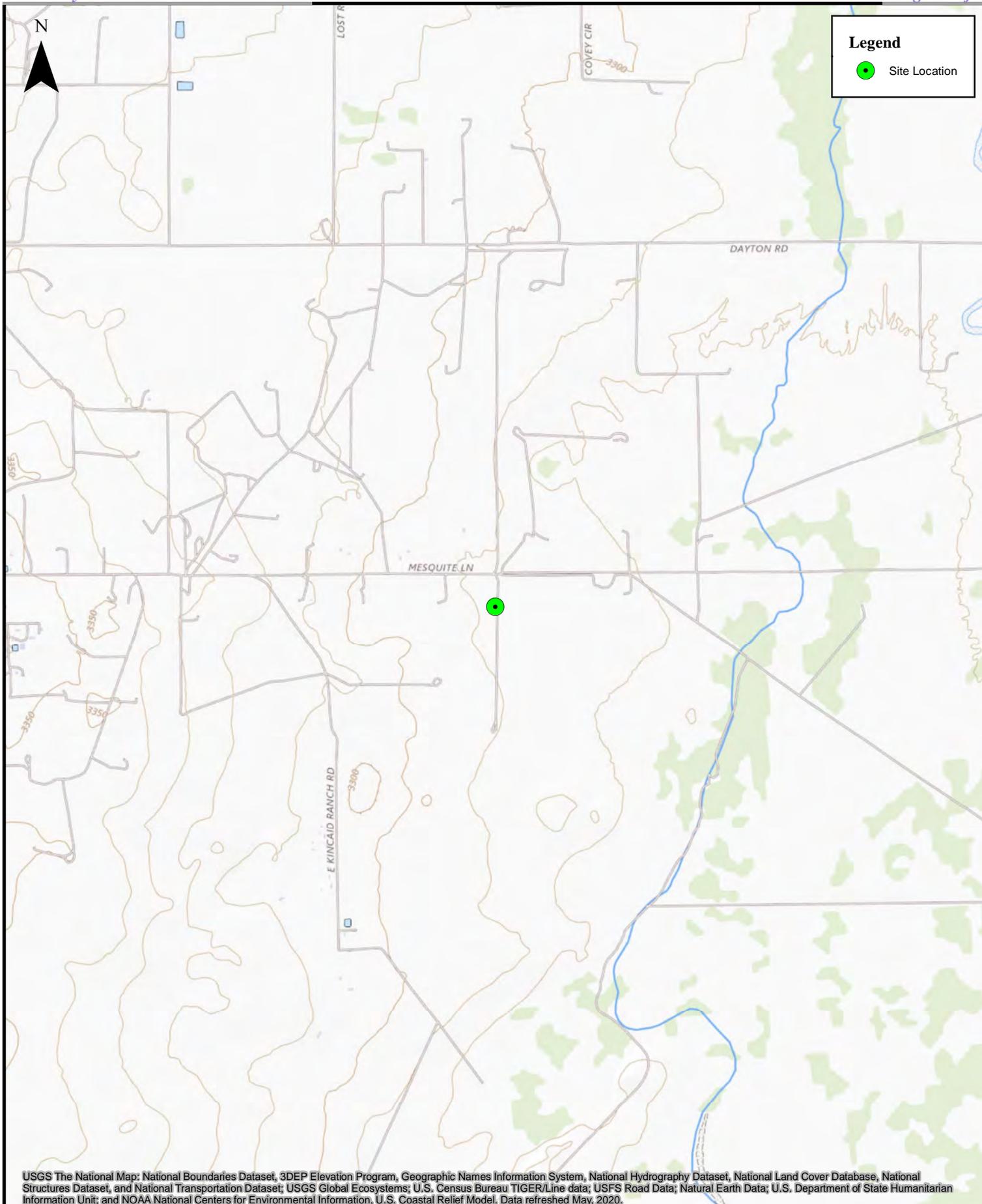
Area Map

Assessment Sample Location Map

Final Excavation Area Map

Final Confirmation Sample Location Map (North)

Final Confirmation Sample Location Map (South)



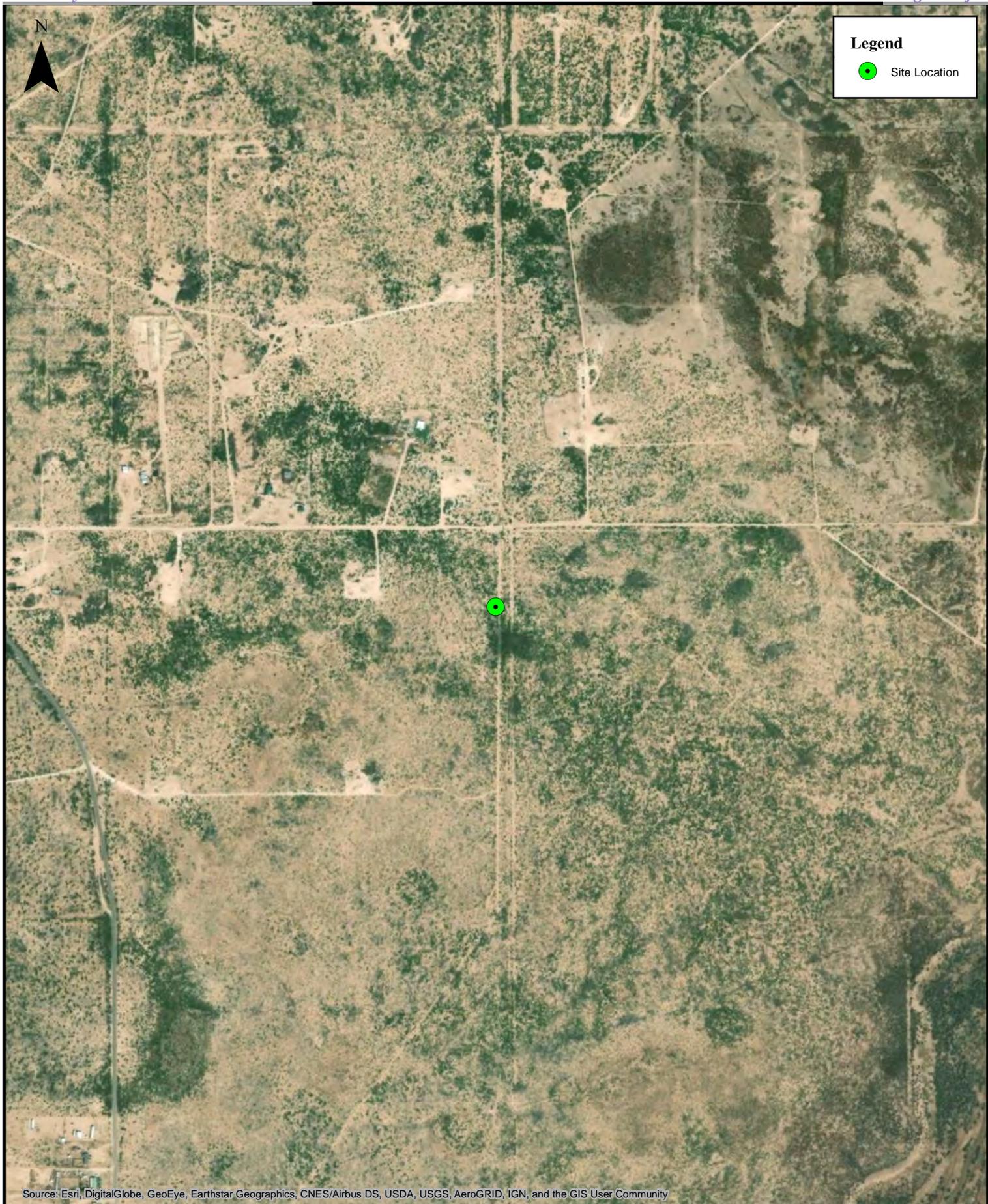
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

RANGER
ENVIRONMENTAL SERVICES, LLC

0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



Legend

- Site Location

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

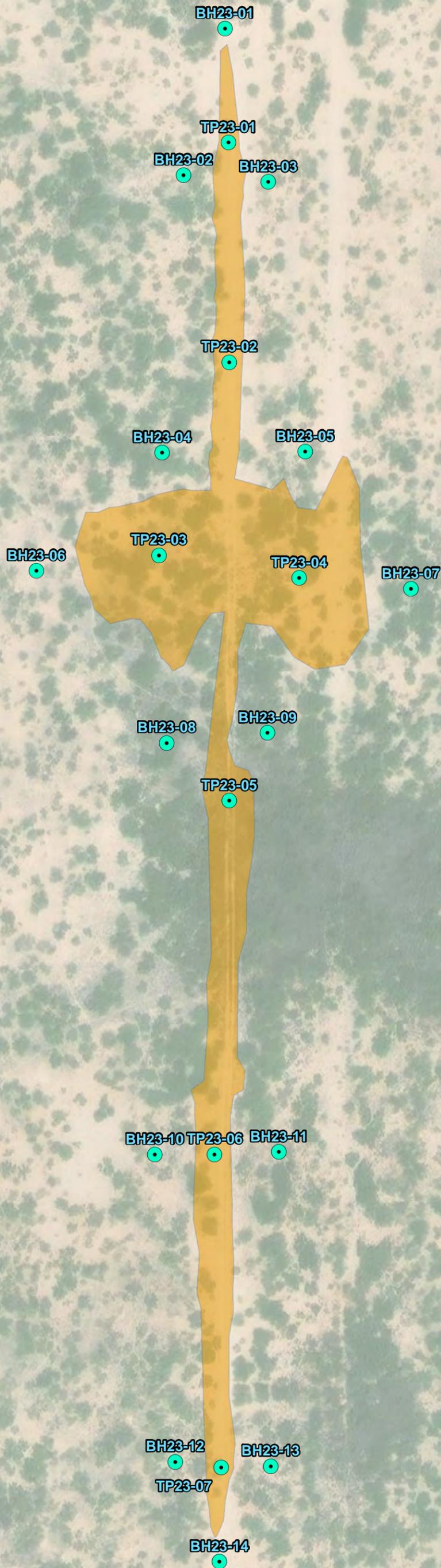
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1:10,000

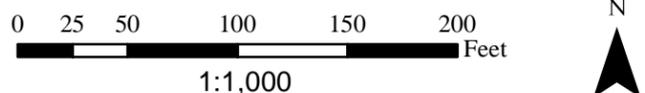
Area Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC

Legend

-  Assessment Sample Location
-  Observed Impact Area



NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 ImageSource: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



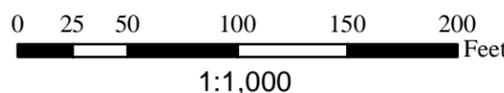
Assessment Sample Location Map
 Dayton Layflat Recycle Line
 Silverback Operating II, LLC

Legend

 Final Excavation Area (~4' Deep)



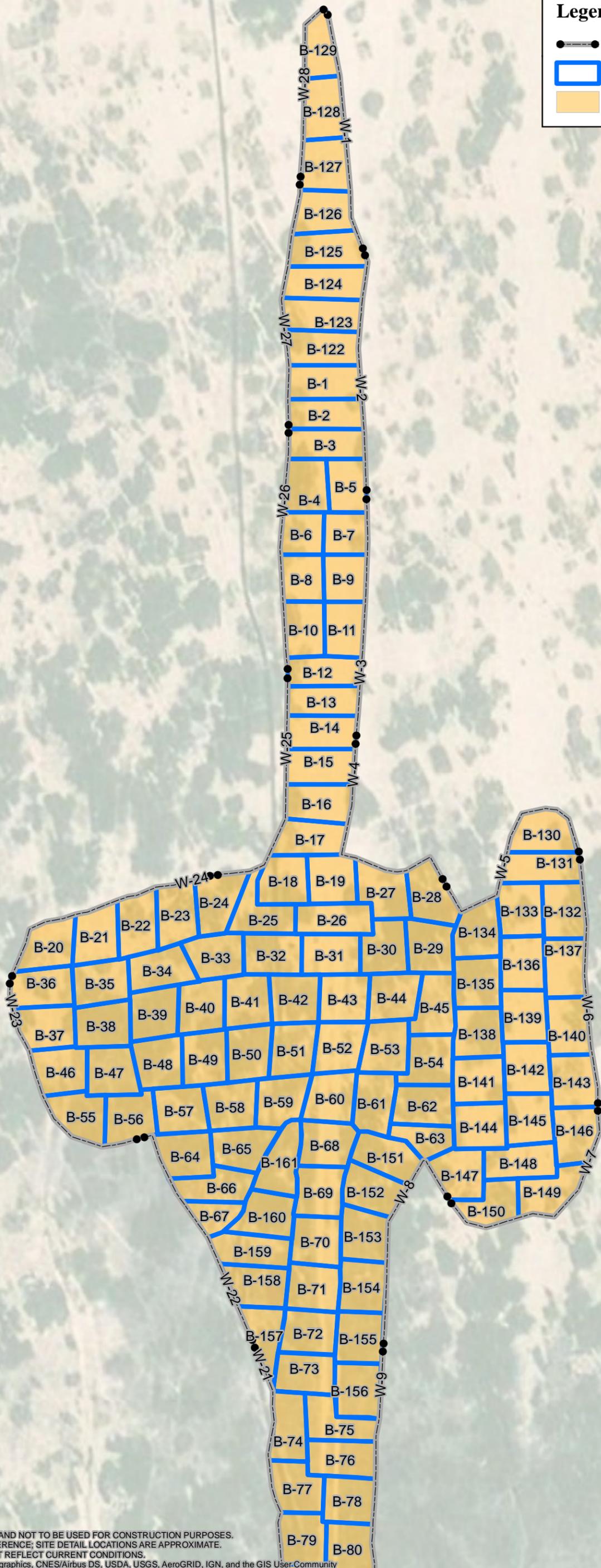
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ImageSource: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Final Excavation Area Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC

Legend

-  Excavation Side Wall Sample Area
-  Excavation Base Sample Area
-  Final Excavation Area (~4' Deep)



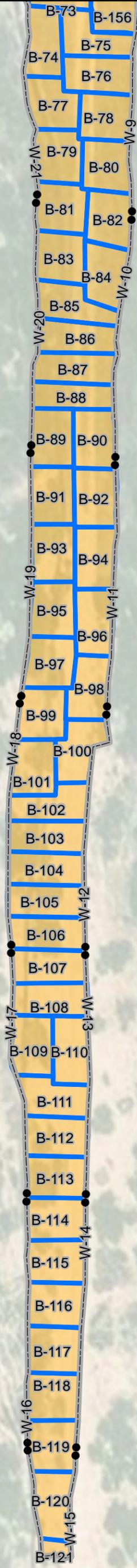
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Final Confirmation Sample Location Map (North)
 Dayton Layflat Recycle Line
 Silverback Operating II, LLC

Legend

-  Excavation Side Wall Sample Area
-  Excavation Base Sample Area
-  Final Excavation Area (~4' Deep)



NOTES:
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 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 ImageSource: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Final Confirmation Sample Location Map (South)
 Dayton Layflat Recycle Line
 Silverback Operating II, LLC

TABLES

Site Assessment Soil BTEX (EPA 8260), TPH (EPA 8015) &
Chloride (SM 4500) Analytical Data

Confirmation Sample Soil Chloride (SM 4500) Analytical Data

SITE ASSESSMENT SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300/SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Horizontal Delineation Assessment Sample													
BH23-01 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<47	<9.5	<47	<60
BH23-01 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.8	<49	<9.8	<49	<60
BH23-02 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	71
BH23-02 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	78
BH23-03 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<9.7	<49	140
BH23-03 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.8	<49	<9.8	<49	82
BH23-04 0ft	10/4/2023	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	88
BH23-04 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
BH23-05 0ft	10/4/2023	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.4	<47	<9.4	<47	<60
BH23-05 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<47	<9.3	<47	87
BH23-06 0ft	10/4/2023	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
BH23-06 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
BH23-07 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<9.3	<46	<60
BH23-07 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<47	<9.5	<47	77
BH23-08 0ft	10/4/2023	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	<60
BH23-08 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	<60
BH23-09 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.5	<47	<9.5	<47	<60
BH23-09 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.5	<47	<9.5	<47	<60
BH23-10 0ft	10/4/2023	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.2	<46	<9.2	<46	<60
BH23-10 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<47	<9.3	<47	<60
BH23-11 0ft	10/4/2023	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	100
BH23-11 2ft	10/4/2023	2'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.6	<48	<9.6	<48	<60
BH23-12 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	<60
BH23-12 2ft	10/4/2023	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<8.5	<43	<8.5	<43	<60
BH23-13 0ft	10/4/2023	0'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<8.9	<44	<8.9	<44	<60
BH23-13 2ft	10/4/2023	2'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	85
BH23-14 0ft	10/4/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	320
BH23-14 2ft	10/4/2023	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.9	<44	<8.9	<44	<60
Vertical Delineation Assessment Sample													
TP23-01 0ft	10/5/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.2	<46	<9.2	<46	13,000
TP23-01 4ft	10/5/2023	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	1,100
TP23-02 0ft	10/5/2023	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<48	<9.7	<48	15,000
TP23-02 4ft	10/5/2023	4'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.3	<47	<9.3	<47	3,400
TP23-03 0ft	10/5/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.8	<49	<9.8	<49	16,000
TP23-03 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.6	<48	<9.6	<48	2,200
TP23-03 6ft	10/5/2023	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<9.7	<48	410
TP23-03 8ft	10/5/2023	8'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	150
TP23-04 0ft	10/5/2023	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	18,000
TP23-04 4ft	10/5/2023	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.5	<48	<9.5	<48	1,300
TP23-04/6'	2/22/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	1,010
TP23-04/8'	2/22/2024	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	848
TP23-04/10'	3/15/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	208
TP23-04/12'	3/15/2024	12'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	224
TP23-05 0ft	10/5/2023	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	22,000
TP23-05 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.2	<46	<9.2	<46	4,100
TP23-06 0ft	10/5/2023	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	15,000
TP23-06 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<10	<50	<10	<50	2,100
TP23-07 0ft	10/5/2023	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.6	<48	<9.6	<48	14,000
TP23-07 4ft	10/5/2023	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	2,600
TP23-05/6'	2/22/2024	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
TP23-05/10'	2/22/2024	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<20.0	<30.0	288
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			10	---	---	---	50	---	---	---	1,000	2,500	10,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10³	---	---	---	50³	---	---	---	---	100 ³	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.													

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Side Wall Samples													
W-1	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-2	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-3	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-4	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-5	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
W-6	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-7	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-8	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-9	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-10	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-11	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-12	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-13	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-14	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-15	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-16	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-17	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	112
W-18	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	32.0
W-19	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
W-20	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-21	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-22	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-23	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-24	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-25	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-26	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-27	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	<16.0
W-28	2/29/2024	0-4'	---	---	---	---	---	---	---	---	---	---	16.0
Excavation Base Samples													
B-1	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-2	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-3	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	880
B-4	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-5	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	416
B-6	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,230
B-7	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	80.0
B-8	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,040
B-9	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	912
B-10	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-11	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-12	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-13	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,010
B-14	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	480
B-15	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	832
B-16	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	656
B-17	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	752
B-18	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,340
B-19	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,920
B-20	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-21	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	352
B-22	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	448
B-23	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,120
B-24	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,260
B-25	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	288
B-26	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	16.0
B-27	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-28	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	320
B-29	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-30	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	16.0
B-31	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-32	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,070
B-33	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-34	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	3,280
B-35	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	544
B-36	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,040
B-37	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	560
B-38	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	608
B-39	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,520
B-40	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	5,040
B-41	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,660
B-42	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	1,490
B-43	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,880
B-44	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	240
B-45	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	512

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-46	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	336
B-47	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	784
B-48	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-49	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	2,280
B-50	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	3,000
B-51	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-52	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,260
B-53	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	5,600
B-54	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	608
B-55	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	2,800
B-56	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	144
B-57	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	64
B-58	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	240
B-59	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,250
B-60	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-61	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	256
B-62	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-63	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,020
B-64	2/13/2024	4'	---	---	---	---	---	---	---	---	---	---	32
B-65	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	480
B-66	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	272
B-67	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,200
B-68	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,200
B-69	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	1,380
B-70	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,320
B-71	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,480
B-72	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,000
B-73	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	9,200
B-74	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	848
B-75	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,560
B-76	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,730
B-77	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,200
B-78	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	704
B-79	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	7,600
B-80	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,320
B-81	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	6,400
B-82	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,080
B-83	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	6,600
B-84	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	2,960
B-85	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	4,000
B-86	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,040
B-87	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	176
B-88	2/12/2024	4'	---	---	---	---	---	---	---	---	---	---	3,400
B-89	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	160
B-90	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,520
B-91	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	4,640
B-92	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	960
B-93	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-94	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,360
B-95	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	816
B-96	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	368
B-97	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,180
B-98	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,760
B-99	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-100	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	3,760
B-101	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-102	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,240
B-103	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-104	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,340
B-105	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,760
B-106	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,440
B-107	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-108	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	720
B-109	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,100
B-110	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	656
B-111	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-112	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	432
B-113	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,060
B-114	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-115	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,470
B-116	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,600
B-117	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,800
B-118	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,360
B-119	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,580
B-120	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-121	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,440

CONFIRMATION SOIL SAMPLE CHLORIDE (SM 4500) ANALYTICAL DATA													
SILVERBACK OPERATING II, LLC													
DAYTON LAYFLAT RELEASE													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-122	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,000
B-123	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	1,650
B-124	2/22/2024	4'	---	---	---	---	---	---	---	---	---	---	2,190
B-125	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,680
B-126	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,440
B-127	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	912
B-128	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,540
B-129	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,410
B-130	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,010
B-131	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,200
B-132	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,550
B-133	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	688
B-134	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,200
B-135	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,280
B-136	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-137	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	832
B-138	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	864
B-139	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,000
B-140	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	992
B-141	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,080
B-142	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	640
B-143	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,680
B-144	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	4,480
B-145	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,620
B-146	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,600
B-147	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,780
B-148	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,400
B-149	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	5,200
B-150	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	2,400
B-151	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	1,120
B-152	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	944
B-153	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	976
B-154	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	80.0
B-155	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	64.0
B-156	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	32.0
B-157	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	64.0
B-158	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	48.0
B-159	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	48.0
B-160	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	144
B-161	2/29/2024	4'	---	---	---	---	---	---	---	---	---	---	592
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			10	---	---	---	50	---	---	---	1,000	2,500	10,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10³	---	---	---	50³	---	---	---	---	100³	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.													

ATTACHMENT 2 - SITE PHOTOGRAPHS



PHOTOGRAPH NO. 1 – A view collected at the Site during the assessment process on February 12, 2023. The view is towards the southeast.

(Approximate GPS Coordinates: 32.710662, -104.344177)



PHOTOGRAPH NO. 2 – A view Site during the remedial excavation activities on February 12, 2023. The view is towards the Northwest.

(Approximate GPS Coordinates: 32.710467, -104.344191)



PHOTOGRAPH NO. 3 – A view of the excavation/remediation area, in the vicinity of the release location, upon completion of the remedial process. The view is towards the southwest.



PHOTOGRAPH NO. 4 – A view of the additional vertical delineation assessment activities on February 22, 2024. The view is towards the south.

ATTACHMENT 3 – LABORATORY REPORTS



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

February 16, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/13/24 13:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 1 (H240679-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 2 (H240679-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 3 (H240679-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 4 (H240679-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	02/14/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 WILL KIERDORF
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 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 5 (H240679-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 6 (H240679-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 7 (H240679-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 8 (H240679-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 9 (H240679-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 10 (H240679-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 11 (H240679-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 12 (H240679-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 13 (H240679-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 14 (H240679-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/14/2024	ND	432	108	400	3.64	

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 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 15 (H240679-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 16 (H240679-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 17 (H240679-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 18 (H240679-18)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 19 (H240679-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 20 (H240679-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 21 (H240679-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 22 (H240679-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 23 (H240679-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 24 (H240679-24)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	02/14/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 25 (H240679-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 26 (H240679-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 27 (H240679-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 28 (H240679-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 29 (H240679-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 30 (H240679-30)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 31 (H240679-31)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 32 (H240679-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 43 (H240679-33)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 44 (H240679-34)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/14/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 45 (H240679-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 51 (H240679-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 52 (H240679-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 53 (H240679-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 54 (H240679-39)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/14/2024	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 59 (H240679-40)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 60 (H240679-41)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 61 (H240679-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/14/2024	ND	416	104	400	3.77	

Sample ID: B - 62 (H240679-43)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 63 (H240679-44)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 65 (H240679-45)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 66 (H240679-46)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 67 (H240679-47)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 68 (H240679-48)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 69 (H240679-49)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 70 (H240679-50)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 71 (H240679-51)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 72 (H240679-52)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 73 (H240679-53)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 74 (H240679-54)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 75 (H240679-55)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 76 (H240679-56)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 77 (H240679-57)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 78 (H240679-58)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 79 (H240679-59)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	02/14/2024	ND	432	108	400	3.64	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 80 (H240679-60)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 81 (H240679-61)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 82 (H240679-62)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	02/14/2024	ND	432	108	400	3.64	

Sample ID: B - 83 (H240679-63)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	02/14/2024	ND	432	108	400	0.00	QM-07

Sample ID: B - 84 (H240679-64)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	02/14/2024	ND	432	108	400	0.00	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/13/2024	Sampling Date:	02/12/2024
Reported:	02/16/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO NM		

Sample ID: B - 85 (H240679-65)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	02/14/2024	ND	432	108	400	0.00	

Sample ID: B - 86 (H240679-66)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	02/14/2024	ND	432	108	400	0.00	

Sample ID: B - 87 (H240679-67)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/14/2024	ND	432	108	400	0.00	

Sample ID: B - 88 (H240679-68)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	02/14/2024	ND	432	108	400	0.00	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 6

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc. P.O. #:
 Project Manager: Will Kierdorf Company: Silverback Exploration
 Address: PO Box 201179 Attn: Mark Ritchie
 City: Austin State: TX Zip: 78720 Address: 108 S. 4th St.
 Phone #: 512-289-3272 Fax #: 512-335-0527 City: Artesia
 Project #: 6684 Project Owner: State: NM Zip: 88210
 Project Name: Dayton Layflat Line Phone #:
 Project Location: Eddy County, NM Fax #:
 Sampler Name: J. Martinez

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.					
B-1		G	1	X							2/12/24	0930			X
B-2		G	1	X							2/12/25	0932			X
B-3		G	1	X							2/12/26	934			X
B-4		G	1	X							2/12/27	0936			X
B-5		G	1	X							2/12/28	0938			X
B-6		G	1	X							2/12/29	0940			X
B-7		G	1	X							2/12/30	0942			X
B-8		G	1	X							2/12/31	0944			X
B-9		G	1	X							2/12/32	0946			X
B-10		G	1	X							2/12/33	0948			X
B-11		G	1	X							2/12/34	1000			X
B-12		G	1	X							2/12/35	1002			X
B-13		G	1	X							2/12/36	1004			X

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Relinquished By: *[Signature]* Received By: *[Signature]* Date: 2/13/24
 FORM-006 R 2.0 Date: 1/3/24
 Delivered By: (Circle One) Sample Condition Checked By: *[Signature]*
 REMARKS: *[Handwritten notes]*



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 6

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Kiendorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-289-3272 Fax #: 512-335-0527
 Project #: 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Eddy County, NM
 Sampler Name: J. Martinez
 P.O. #: Company: Silverback Exploration
 Attn: Mark Ritchie
 Address: 108 S. 4th St.
 City: Artesia
 State: NM Zip: 88210
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
14	B-14	G	1	X								2/12/24	1006			X
15	B-15	G	1	X								2/12/24	1008			X
16	B-16	G	1	X								2/12/24	1010			X
17	B-17	G	1	X								2/12/24	1012			X
18	B-18	G	1	X								2/12/24	1014			X
19	B-19	G	1	X								2/12/24	1016			X
20	B-20	G	1	X								2/12/24	1020			X
21	B-21	G	1	X								2/12/24	1024			X
22	B-22	G	1	X								2/12/24	1026			X
23	B-23	G	1	X								2/12/24	1028			X
24	B-24	G	1	X								2/12/24	1030			X
25	B-25	G	1	X								2/12/24	1100			X
26	B-26	G	1	X								2/12/24	1102			X

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Relinquished By: [Signature]
 Date: 2/13/24
 Received By: [Signature]
 Date: 3/9/24
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: 3.0i #140 cool intact 82



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 6

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.	P.O. #:
Project Manager: Will Kierdorf	Company: Silverback Exploration
Address: PO Box 201179	Attn: Mark Ritchie
City: Austin	Address: 108 S. 4th St.
Phone #: 512-289-3272	City: Artesia
Fax #: 512-335-0527	State: NM Zip: 88210
Project #: 6684	Project Owner:
Project Name: Dayton Layflair Line	State: NM Zip: 88210
Project Location: Eddy County, NM	Phone #:
Sampler Name: J. Martinez	Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
27	B-27	G	1	X							2/12/24	1104			X
28	B-28	G	1	X							2/12/24	1106			X
29	B-29	G	1	X							2/12/24	1108			X
30	B-30	G	1	X							2/12/24	1110			X
31	B-31	G	1	X							2/12/24	1112			X
32	B-32	G	1	X							2/12/24	1114			X
33	B-33	G	1	X							2/12/24	1118			X
34	B-34	G	1	X							2/12/24	1120			X
35	B-35	G	1	X							2/12/24	1122			X
36	B-36	G	1	X							2/12/24	1124			X
37	B-37	G	1	X							2/12/24	1140			X
38	B-38	G	1	X							2/12/24	1142			X
39	B-39	G	1	X							2/12/24	1144			X

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Relinquished By: *[Signature]*

Relinquished By: R 2.0

Date: 2/13/24

Time: 1346

Received By: *[Signature]*

Received By: *[Signature]*

Phone Result: Yes No

Fax Result: Yes No

REMARKS: 3.00i #140 cool instead of

ADD'l Phone #: _____

ADD'l Fax #: _____

Email results to will@rangerenv.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 6

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc. P.O. #:

Project Manager: Will Kierdorf Company: Silverback Exploration

Address: PO Box 201179 Attn: Mark Richie

City: Austin State: TX Zip: 78720 Address: 108 S. 4th St.

Phone #: 512-289-3272 Fax #: 512-335-0527 City: Artesia

Project #: 6684 Project Owner: State: NM Zip: 88210

Project Name: Dayton Layflat Line Phone #:

Project Location: Eddy County, NM Fax #:

Sampler Name: J. Martinez

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :
40	B-59	G	1	X							2/12/24	11:8	X	X
41	B-60	G	1	X							2/12/24	11:3	X	X
42	B-61	G	1	X							2/12/24	11:2	X	X
43	B-62	G	1	X							2/12/24	11:4	X	X
44	B-63	G	1	X							2/12/24	11:3	X	X
45	B-65	G	1	X							2/12/24	11:3	X	X
46	B-66	G	1	X							2/12/24	12:1	X	X
47	B-67	G	1	X							2/12/24	12:1	X	X
48	B-68	G	1	X							2/12/24	12:2	X	X
49	B-69	G	1	X							2/12/24	12:2	X	X
50	B-70	G	1	X							2/12/24	12:1	X	X
51	B-71	G	1	X							2/12/24	12:3	X	X
52	B-72	G	1	X							2/12/24	12:3	X	X

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Relinquished By: [Signature]

Received By: [Signature]

Date: 2/13/24

Time: 1346

Relinquished By: R 2.0

Received By: [Signature]

Date: [Blank]

Time: [Blank]

Remarks: 3. vi. #140 container [Signature]

Phone Result: Yes No

Fax Result: Yes No

Address: [Blank]

Phone #: [Blank]

Fax #: [Blank]

Remarks: [Blank]

Email results to will@rangerenv.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 6

Company Name: Ranger Environmental Services, Inc.
Project Manager: Will Kierdorf
Address: PO Box 201179
City: Austin **State:** TX **Zip:** 78720
Phone #: 512-497-1556 **Fax #:** 512-335-0527
Project #: 6684 **Project Owner:**
Project Name: Dayton Lay flat Line.
Project Location: Rural Eddy County, NM
Sampler Name: J Martinez

BILL TO
P.O. #: Silver & Burk
Company: ~~Cardinal Laboratories~~
Attn: ~~Cardinal Laboratories~~ Marla R. Kline
Address: 168 S. 4th Street
City: Artesia
State: NM **Zip:** 88210
Phone #: ~~505-945-4444~~
Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)ON	# CONTAINERS	MATRIX							DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (SM 4500)	HOLD
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
H44064	B-73	G	1								2/12/24	1230				
	B-74	G	1	X												
	B-75	G	1													
	B-76	G	1													
	B-77	G	1													
	B-78	G	1													
	B-79	G	1													
	B-80	G	1													
	B-81	G	1													
	B-82	G	1													
	B-83	G	1													
	B-84	G	1													
	B-84	G	1													

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Retinquished By: [Signature]
Date: 2/13/24
Time: 1346

Received By: [Signature]
Date: 2/13/24
Time:

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 3.00 \$140

Sample Condition:
 Cool Intact
 Yes No

CHECKED BY: [Signature] (Initials)

REMARKS: Email Results to will@rangerenv.com
 Please hold the following samples pending initial results:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Kiendorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-497-1556 Fax #: 512-335-0527
 Project #: ~~6684~~ 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Rural Eddy County, NM
 Sampler Name: J. Martinez
 P.O. #: Silver Peak Express
 Company: ~~Cardinal~~
 Attn: ~~Will Kiendorf~~ Mary K. Hyde
 Address: 101 S. 4th Street
 City: Artesia State: NM Zip: 88210
 Phone #: ~~575-393-2326~~
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	MATRIX							DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (SM 4500)	HOLD
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						
H490679	B-85	G	1			X					2/12/24	1308				
	B-86	G	1									1310				
	B-87	G	1									1312				
	B-88	G	1									1314				

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Relinquished By: *[Signature]* Date: 2/13/24
 Received By: *[Signature]* Date: 13/16
 Delivered By: (Circle One) UPS Bus Other: *3.02 #1100*
 Sample Condition: Cool Intact Yes No
 CHECKED BY: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS: *Email results to will@rangerenv.com*
 Please hold the following samples pending initial results:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

February 23, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/20/24 13:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 33 (H240814-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 34 (H240814-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 35 (H240814-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 36 (H240814-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	02/22/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 37 (H240814-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 38 (H240814-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 39 (H240814-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 40 (H240814-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 41 (H240814-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	02/22/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 42 (H240814-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 46 (H240814-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 47 (H240814-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 48 (H240814-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 49 (H240814-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	02/22/2024	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 50 (H240814-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3000	16.0	02/22/2024	ND	432	108	400	3.64	

Sample ID: B - 55 (H240814-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	02/22/2024	ND	432	108	400	10.5	QM-07

Sample ID: B - 56 (H240814-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/22/2024	ND	432	108	400	10.5	

Sample ID: B - 57 (H240814-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/22/2024	ND	432	108	400	10.5	

Sample ID: B - 58 (H240814-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/22/2024	ND	432	108	400	10.5	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/20/2024	Sampling Date:	02/13/2024
Reported:	02/23/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 64 (H240814-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/22/2024	ND	432	108	400	10.5	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.

BILL TO

ANALYSIS REQUEST

Project Manager: Will Kierdorf	P.O. #:
Address: PO Box 201179	Company: Silverback Exploration
City: Austin	Attn: Mark Ritchie
State: TX Zip: 78720	Address: 108 S. 4th St.
Phone #: 512-289-3272	City: Artesia
Fax #: 512-335-0527	State: NM Zip: 88210
Project #: 6684	Project Owner:
Project Name: Dayton Layflat Line	Phone #:
Project Location: Eddy County, NM	Fax #:
Sampler Name: F. Rodriguez	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER							
1	B-33	G	1	X							2/13/24	12:00	X			
2	B-34	G	1	X							2/13/24	12:05	X			
3	B-35	G	1	X							2/13/24	12:10	X			
4	B-36	G	1	X							2/13/24	12:15	X			
5	B-37	G	1	X							2/13/24	12:20	X			
6	B-38	G	1	X							2/13/24	12:25	X			
7	B-39	G	1	X							2/13/24	12:30	X			
8	B-40	G	1	X							2/13/24	12:35	X			
9	B-41	G	1	X							2/13/24	12:40	X			
10	B-42	G	1	X							2/13/24	12:45	X			
11	B-46	G	1	X							2/13/24	12:50	X			
12	B-47	G	1	X							2/13/24	12:55	X			
13	B-48	G	1	X							2/13/24	13:00	X			

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Relinquished By: <i>[Signature]</i>	Date: 2/13/24	Time: 11:00	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: 2/13/24	Time: 1:35	Received By: <i>[Signature]</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:

Delivered By: (Circle One)	Sample Condition	CHECKED BY: <i>[Signature]</i>
UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: <i>1.4c #140</i>	Cool <input type="checkbox"/> Impact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Initials) <i>SP.</i>

3. Please refer to changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc. Project Manager: Will Kierdorf Address: PO Box 201179 City: Austin State: TX Zip: 78720 Phone #: 512-289-3272 Fax #: 512-335-0527 Project #: 6684 Project Owner: Project Name: Dayton Laylat Line Project Location: Eddy County, NM Sampler Name: F. Rodriguez		P.O. #: Company: Silverback Exploration Attn: Mark Ritchie Address: 108 S. 4th St. City: Artesia State: NM Zip: 88210 Phone #: Fax #:		BILL TO	
FOR LAB USE ONLY Lab I.D.: H2440 814 Sample I.D.:		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV. SAMPLING	
B-49 B-50 B-55 B-56 B-57 B-58 B-64		G 1 G 1 G 1 G 1 G 1 G 1 G 1		X X X X X X X	
14 15 16 17 18 19 20		21/3/24 21/3/24 21/3/24 21/3/24 21/3/24 21/3/24 21/3/24		13:05 13:10 13:15 13:20 13:25 13:30 13:35	
DATE TIME		DATE TIME		TPH: (8015) EXT BTEX (8021B) Chloride (SM 4500)	
Relinquished By: <i>[Signature]</i> Date: 2/13/24 Time: 7:50		Received By: <i>[Signature]</i> Date: 2/13/24 Time: 13:50		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____ REMARKS: _____ Email results to will@rangerenv.com	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: FORM-006 R 2.0 1.4c H14D		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: <i>[Signature]</i> (Initials) <i>VP</i>			



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

March 01, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/27/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 89 (H240945-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 90 (H240945-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 91 (H240945-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 92 (H240945-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	02/29/2024	ND	432	108	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 93 (H240945-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 94 (H240945-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 95 (H240945-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 96 (H240945-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 97 (H240945-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	02/29/2024	ND	432	108	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 98 (H240945-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 99 (H240945-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 100 (H240945-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 101 (H240945-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	02/29/2024	ND	432	108	400	3.77	

Sample ID: B - 102 (H240945-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	02/29/2024	ND	432	108	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 103 (H240945-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	02/29/2024	ND	416	104	400	3.77	QM-07

Sample ID: B - 104 (H240945-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 105 (H240945-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 106 (H240945-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 107 (H240945-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	02/29/2024	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/25/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 108 (H240945-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 109 (H240945-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 110 (H240945-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 111 (H240945-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 112 (H240945-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/29/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 113 (H240945-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 114 (H240945-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 115 (H240945-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 116 (H240945-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 117 (H240945-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	02/29/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
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 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 118 (H240945-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 119 (H240945-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 120 (H240945-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 121 (H240945-33)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	02/29/2024	ND	416	104	400	3.77	

Sample ID: B - 122 (H240945-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/29/2024	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 123 (H240945-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	03/01/2024	ND	416	104	400	3.77	QM-07

Sample ID: B - 124 (H240945-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2190	16.0	03/01/2024	ND	416	104	400	3.77	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 4

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: W/ill Kierdorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-289-3272 Fax #: 512-335-0527
 Project #: 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Eddy County NM
 Sampler Name: J. Martinez / F. Rodriguez
 P.O. #: Company: Silverback Exploration
 Attn: Mark Ritchie
 Address: 108 S. 4th Street
 City: Artesia
 State: NM Zip: 88210
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	TPH: 8015 EXT	BTX 8021B/5030 or BTX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
21	B-109	G	1	X								2/22/2024	0936			X	
22	B-110	G	1	X								2/22/2024	0938			X	
23	B-111	G	1	X								2/22/2024	0940			X	
24	B-112	G	1	X								2/22/2024	0942			X	
25	B-113	G	1	X								2/22/2024	1010			X	
26	B-114	G	1	X								2/22/2024	1012			X	
27	B-115	G	1	X								2/22/2024	1014			X	
28	B-116	G	1	X								2/22/2024	1016			X	
29	B-117	G	1	X								2/22/2024	1018			X	
30	B-118	G	1	X								2/22/2024	1020			X	

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Relinquished By: [Signature]
 Date: 2/27/24
 Time: 1130
 Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Phone Result: Yes No Add'l Phone #: [Blank]
 Fax Result: Yes No Add'l Fax #: [Blank]
 REMARKS: [Blank]
 Please hold the following samples pending initial results:
 Email results to: will@rangerenv.com

Delivered By: (Circle One) YK
 Sample Returned: RABs - Other: #40
 Sample Condition: Cool Intact
 Yes No
 Yes No
 CHECKED BY: [Signature] (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

Company Name: Ranger Environmental Services, Inc. Project Manager: Will Klendorf Address: PO Box 201179 City: Austin State: TX Zip: 78720 Phone #: 512-289-3272 Fax #: 512-335-0527 Project #: 6684 Project Owner: Project Name: Dayton Layflat Line Project Location: Eddy County NM Sampler Name: J. Martinez / F. Rodriguez <small>FOR LAB USE ONLY</small>		BILL TO P.O. #: Company: Silverback Exploration Attn: Mark Ritchie Address: 108 S. 4th Street City: Artesia State: NM Zip: 88210 Phone #: Fax #:	
Lab I.D. Halloys B-119 B-120 B-121 B-122 B-123 B-124		ANALYSIS REQUEST TPH: 8015 EXT BTEX 8021B/5030 or BTEX 8260 Chloride (300 or 4500)	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING DATE TIME	
X 1 X 1 X 1 X 1 X 1 X 1		X X X X X X	
2/22/2024 2/22/2024 2/22/2024 2/22/2024 2/22/2024 2/22/2024		1021 1022 1024 1026 1028 1030	
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Relinquished By: [Signature] Date: 2/27/24 Time: 1130		Received By: [Signature]	
Delivered By: (Circle One) Sample RUPS - RABS - Other: 44 #140		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: [Signature]	

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March 01, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/27/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent "C" and "K".

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 04/6' (H240946-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99	
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	03/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 04/8' (H240946-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99	
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	03/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 05/6' (H240946-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99	
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/27/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/27/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/27/2024	Sampling Date:	02/22/2024
Reported:	03/01/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP 23 - 05/10' (H240946-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/27/2024	ND	2.07	103	2.00	8.99	
Toluene*	<0.050	0.050	02/27/2024	ND	2.06	103	2.00	8.91	
Ethylbenzene*	<0.050	0.050	02/27/2024	ND	2.03	102	2.00	9.09	
Total Xylenes*	<0.150	0.150	02/27/2024	ND	6.20	103	6.00	8.44	
Total BTEX	<0.300	0.300	02/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/01/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/28/2024	ND	187	93.4	200	0.797	
DRO >C10-C28*	<10.0	10.0	02/28/2024	ND	174	86.8	200	0.839	
EXT DRO >C28-C36	<10.0	10.0	02/28/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 1

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Kierdorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-289-3272 Fax #: 512-335-0527
 Project #: 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Eddy County, NM
 Sampler Name: J. Martinez / F. Rodriguez
 P.O. #: Company: Silverback Exploration
 Attn: Mark Ritchie
 Address: 108 S. 4th Street
 City: Artesia
 State: NM Zip: 88210
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
440944	TP23-04/6'	G	1	X						2/22/2024	1145	X	X	X	
	TP23-04/8'	G	1	X						2/22/2024	1150	X	X	X	
	TP23-05/6'	G	1	X						2/22/2024	1154	X	X	X	
	TP23-05/10'	G	1	X						2/22/2024	1200	X	X	X	

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Relinquished By: [Signature]
 Date: 2/21/24
 Time: 1130
 Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:
 Please hold the following samples pending initial results:

Delivered By: (Circle One) 4.4
 Sample R/MS - R/Bs - Other: #140
 Sample Condition: Cool Intact
 Yes No
 Checked By: [Signature]

Email results to: will@rangerenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

March 05, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 02/29/24 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Jacinda Lynn Hatfield For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 1 (H241027-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 2 (H241027-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 3 (H241027-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 4 (H241027-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	448	112	400	0.00	

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 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 5 (H241027-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 6 (H241027-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 7 (H241027-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 8 (H241027-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 9 (H241027-09)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

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 WILL KIERDORF
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 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 10 (H241027-10)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 11 (H241027-11)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 12 (H241027-12)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 13 (H241027-13)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 14 (H241027-14)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

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 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 15 (H241027-15)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 16 (H241027-16)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 17 (H241027-17)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 18 (H241027-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 19 (H241027-19)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	ND	448	112	400	0.00	

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 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 20 (H241027-20)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 21 (H241027-21)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 22 (H241027-22)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	448	112	400	0.00	

Sample ID: W - 23 (H241027-23)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 24 (H241027-24)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

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 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: W - 25 (H241027-25)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 26 (H241027-26)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 27 (H241027-27)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: W - 28 (H241027-28)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 125 (H241027-29)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	03/04/2024	ND	432	108	400	0.00	

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 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 126 (H241027-30)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 127 (H241027-31)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 128 (H241027-32)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 129 (H241027-33)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 130 (H241027-34)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	03/04/2024	ND	432	108	400	0.00	

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Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 131 (H241027-35)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 132 (H241027-36)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 133 (H241027-37)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 134 (H241027-38)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 135 (H241027-39)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	03/04/2024	ND	432	108	400	0.00	

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Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 136 (H241027-40)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 137 (H241027-41)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 138 (H241027-42)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 139 (H241027-43)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 140 (H241027-44)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	03/04/2024	ND	416	104	400	7.41	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 141 (H241027-45)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 142 (H241027-46)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 143 (H241027-47)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 144 (H241027-48)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 145 (H241027-49)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	03/04/2024	ND	416	104	400	7.41	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 146 (H241027-50)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 147 (H241027-51)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 148 (H241027-52)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 149 (H241027-53)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 150 (H241027-54)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/04/2024	ND	416	104	400	7.41	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 151 (H241027-55)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 152 (H241027-56)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 153 (H241027-57)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 154 (H241027-58)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 155 (H241027-59)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	416	104	400	7.41	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 156 (H241027-60)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 157 (H241027-61)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 158 (H241027-62)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	ND	416	104	400	7.41	

Sample ID: B - 159 (H241027-63)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/04/2024	ND	432	108	400	0.00	

Sample ID: B - 160 (H241027-64)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/04/2024	ND	432	108	400	0.00	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	02/29/2024	Sampling Date:	02/29/2024
Reported:	03/05/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	** (See Notes)
Project Number:	6684	Sample Received By:	Shalyn Rodriguez
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: B - 161 (H241027-65)

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	03/04/2024	ND	432	108	400	0.00	

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Jacinda Hatfield

Jacinda Lynn Hatfield For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 7

Company Name: Ranger Environmental Services, Inc.		BILL TO	
Project Manager: Will Kierdorf	PO #:	ANALYSIS REQUEST	
Address: PO Box 201179	Company: Silverback Exploration		
City: Austin	Attn: Mark Ritchie		
Phone #: 512-289-3272	Address: 108 S. 4th Street		
Fax #: 512-335-0527	City: Artesia		
Project #: 6684	State: NM		
Project Name: Dayton Layflat Line	Zip: 88210		
Project Location: Eddy County, NM	Phone #:		
Sampler Name: J. Martinez & F. Rodriguez	Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
A241027	W-1	G	1	X							2/29/2024	0810			X
	W-2	G	1	X							2/29/2024	0814			X
	W-3	G	1	X							2/29/2024	0820			X
	W-4	G	1	X							2/29/2024	0822			X
	W-5	G	1	X							2/29/2024	0824			X
	W-6	G	1	X							2/29/2024	0826			X
	W-7	G	1	X							2/29/2024	0828			X
	W-8	G	1	X							2/29/2024	0834			X
	W-9	G	1	X							2/29/2024	0836			X
	W-10	G	1	X							2/29/2024	0838			X

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Relinquished By: [Signature]	Date: 2/29/24	Received By: [Signature]	Date: 2/29/24
Relinquished By: [Signature]	Time: 11:05	Received By: [Signature]	Time:

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
<input checked="" type="checkbox"/> RABs <input type="checkbox"/> RABs - Other:	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	[Signature]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

REMARKS: Please hold the following samples pending initial results:

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

Email results to: will@rangerenv.com



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 7

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Kierdorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-289-3272 Fax #: 512-335-0527
 Project #: 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Eddy County, NM
 Sampler Name: J. Martinez & F. Rodriguez
 P.O. #: Company: Silverback Exploration
 Attn: Mark Ritchie
 Address: 108 S. 4th Street
 City: Artesia
 State: NM Zip: 88210
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H241027		G	1	X						2/29/2024	0844			X
		G	1	X						2/29/2024	0846			X
		G	1	X						2/29/2024	0900			X
		G	1	X						2/29/2024	0912			X
		G	1	X						2/29/2024	0914			X
		G	1	X						2/29/2024	0916			X
		G	1	X						2/29/2024	0920			X
		G	1	X						2/29/2024	0922			X
		G	1	X						2/29/2024	0924			X

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Relinquished By: [Signature]
 Date: 2/29/24
 Time: 11:05
 Received By: [Signature]
 Date: [Blank]
 Time: [Blank]

Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:
 Please hold the following samples pending initial results:

Delivered By: (Circle One) U.S. #140
 Samples: RABs - Other: [Blank]
 Sample Condition: Cool Intact Yes No Yes No No
 CHECKED BY: [Signature]

Email results to: will@rangerenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 of 7

Company Name: Ranger Environmental Services, Inc.		BILL TO	
Project Manager: Will Kierdorf	P.O. #:	Company: Silverback Exploration	
Address: PO Box 201179	Attn: Mark Ritchie	Address: 108 S. 4th Street	
City: Austin	State: TX Zip: 78720	City: Artesia	
Phone #: 512-289-3272	Fax #: 512-335-0527	State: NM Zip: 88210	
Project #: 6684	Project Owner:	Phone #:	
Project Name: Dayton Layflat Line		Fax #:	
Project Location: Eddy County, NM			
Sampler Name: J. Martinez & F. Rodriguez			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
W-21		G	1	X						2/29/2024	0926			X
W-22		G	1	X						2/29/2024	0928			X
W-23		G	1	X						2/29/2024	0930			X
W-24		G	1	X						2/29/2024	0932			X
W-25		G	1	X						2/29/2024	0936			X
W-26		G	1	X						2/29/2024	0938			X
W-27		G	1	X						2/29/2024	0940			X
W-28		G	1	X						2/29/2024	0942			X
W-29		G	1	X						2/29/2024	1010			X
W-30		G	1	X						2/29/2024	1012			X

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Relinquished By: <i>[Signature]</i>	Date: 2/29/24	Received By: <i>[Signature]</i>	Time: 1005
Delivered By: (Circle One) <i>U-3</i>	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Checked By: <i>[Signature]</i>	REMARKS:
Other: <i>#140</i>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
		Add'l Phone #:	Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Email results to: will@rangerenv.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5 of 7

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.
 Project Manager: Will Kierdorf
 Address: PO Box 201179
 City: Austin State: TX Zip: 78720
 Phone #: 512-289-3272 Fax #: 512-335-0527
 Project #: 6684 Project Owner:
 Project Name: Dayton Layflat Line
 Project Location: Eddy County, NM
 Sampler Name: J. Martinez & F. Rodriguez
 P.O. #: Company: Silverback Exploration
 Attn: Mark Ritchie
 Address: 108 S. 4th Street
 City: Artesia
 State: NM Zip: 88210
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH: 8015 EXT	BTX 8021B/5030 or BTX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H241027														
	B-137	G	1	X						2/29/2024	1044		X	
	B-138	G	1	X						2/29/2024	1046		X	
	B-139	G	1	X						2/29/2024	1100		X	
	B-140	G	1	X						2/29/2024	1102		X	
	B-141	G	1	X						2/29/2024	1104		X	
	B-142	G	1	X						2/29/2024	1106		X	
	B-143	G	1	X						2/29/2024	1108		X	
	B-144	G	1	X						2/29/2024	1110		X	
	B-145	G	1	X						2/29/2024	1114		X	
	B-146	G	1	X						2/29/2024	1118		X	

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Relinquished By: *[Signature]* Date: 2/29/24 Time: 10:05
 Received By: *[Signature]*
 Delivered By: (Circle One) *U.S.C.* Sample Condition: Cool Intact
 Sample #: *196* RABs - Other: *#140* No Yes
 CHECKED BY: *[Signature]*
 Phone Result: Yes No Add'l Phone #:
 Fax Result: Yes No Add'l Fax #:
 REMARKS:
 Please hold the following samples pending initial results:
 Email results to: will@rangerenv.com

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

6 of 7

Company Name: Ranger Environmental Services, Inc.		BILL TO	
Project Manager: Will Kierdorf	P.O. #:	ANALYSIS REQUEST	
Address: PO Box 201179	Company: Silverback Exploration		
City: Austin	Attn: Mark Ritchie		
State: TX Zip: 78720	Address: 108 S. 4th Street		
Phone #: 512-289-3272 Fax #: 512-335-0527	City: Artesia		
Project #: 6684 Project Owner:	State: NM Zip: 88210		
Project Name: Dayton Layflat Line	Phone #:		
Project Location: Eddy County, NM	Fax #:		
Sampler Name: J. Martinez & F. Rodriguez			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H24027	B-147	G	1	X						2/29/2024	1120			X
	B-148	G	1	X						2/29/2024	1122			X
	B-149	G	1	X						2/29/2024	1124			X
	B-150	G	1	X						2/29/2024	1126			X
	B-151	G	1	X						2/29/2024	1140			X
	B-152	G	1	X						2/29/2024	1142			X
	B-153	G	1	X						2/29/2024	1144			X
	B-154	G	1	X						2/29/2024	1146			X
	B-155	G	1	X						2/29/2024	1148			X
	B-156	G	1	X						2/29/2024	1150			X

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Relinquished By: <i>aw</i>	Date: 2/29/24	Received By: <i>Stoddard</i>
Time: 1005		
Delivered By: (Circle One) <i>U-3</i>	Sample Condition	CHECKED BY: <i>SR</i>
<input checked="" type="checkbox"/> RABs <input type="checkbox"/> RABs - Other: <i>#140</i>	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS: _____
 Please hold the following samples pending initial results:
 Email results to: will@rangerenv.com
 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7 of 7

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc. P.O. #:
 Project Manager: Will Kierdorf Company: Silverback Exploration
 Address: PO Box 201179 Attn: Mark Ritchie
 City: Austin State: TX Zip: 78720 Address: 108 S. 4th Street
 Phone #: 512-289-3272 Fax #: 512-335-0527 City: Artesia
 Project #: 6684 Project Owner: State: NM Zip: 88210
 Project Name: Dayton Layflat Line Phone #:
 Project Location: Eddy County, NM Fax #:
 Sampler Name: J. Martinez & F. Rodriguez

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H241027														
41	B-157	G	1	X						2/29/2024	1152			X
42	B-158	G	1	X						2/29/2024	1154			X
43	B-159	G	1	X						2/29/2024	1156			X
44	B-160	G	1	X						2/29/2024	1158			X
45	B-161	G	1	X						2/29/2024	1200			X

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Relinquished By: *[Signature]* Date: 2/29/24
 Received By: *[Signature]* Date: 2/29/24
 Time: 1:00 PM

Delivered By: (Circle One) *URS* Sample Condition: Intact Cool Yes No
 Other: *#140* Yes No

REMARKS: Please hold the following samples pending initial results:
 Email results to: will@rangerenv.com

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

March 20, 2024

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: DAYTON LAYFLAT LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/15/24 12:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	03/15/2024	Sampling Date:	03/15/2024
Reported:	03/20/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP23 - 04/10' (H241359-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.22	111	2.00	0.699	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.408	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.12	106	2.00	0.0517	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.17	103	6.00	0.0498	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	03/18/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	194	96.9	200	2.01	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	205	103	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
 WILL KIERDORF
 PO BOX 201179
 AUSTIN TX, 78729
 Fax To: (512) 335-0527

Received:	03/15/2024	Sampling Date:	03/15/2024
Reported:	03/20/2024	Sampling Type:	Soil
Project Name:	DAYTON LAYFLAT LINE	Sampling Condition:	Cool & Intact
Project Number:	6684	Sample Received By:	Dionica Hinojos
Project Location:	SILVERBACK - EDDY CO NM		

Sample ID: TP23 - 04/12' (H241359-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.22	111	2.00	0.699	
Toluene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.408	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.12	106	2.00	0.0517	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.17	103	6.00	0.0498	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/18/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	210	105	200	3.88	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	198	99.2	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Ranger Environmental Services, Inc.	P.O. #:
Project Manager: Will Kiendorf	Company: Silverback Exploration
Address: PO Box 201179	Attn: Mark Ritchie
City: Austin	Address: 108 S. 4th Street
State: TX	City: Artesia
Zip: 78720	State: NM
Phone #: 512-289-3272	Zip: 88210
Fax #: 512-335-0527	Phone #:
Project #: 6684	Project Owner:
Project Name: Dayton Layflat Line	Project Location: Eddy County, NM
Sampler Name: J. Martinez & F. Rodriguez	Fax #:

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	TPH: 8015 EXT	BTEX 8021B/5030 or BTEX 8260	Chloride (300 or 4500)
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							
TP23-04/10*	G	1			X					X	3/15/2024	0920	X	X	X	
TP23-04/12*	G	1			X					X	3/15/2024	0940	X	X	X	

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Relinquished By: [Signature] **Date:** 3/15/24 **Received By:** [Signature] **Date:** 3/15/24

Relinquished By: [Signature] **Date:** 3/15/24 **Received By:** [Signature] **Date:** 3/15/24

Delivered By: (Circle One) **Sample #s:** WPS-6-RBUs - Other: #149

Sample Condition: Cool Intact Yes No No No

CHECKED BY: [Signature] (Initials)

Phone Result: Yes No **Add'l Phone #:**

Fax Result: Yes No **Add'l Fax #:**

REMARKS: Please hold the following samples pending initial results:

Email results to: will@rangerenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

ATTACHMENT 4 – NMOCD REMEDIATION PLAN
APPROVAL



Searches



Operator Data



Hearing Fee Application

OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	289800	Districts:	Artesia
Operator:	[330968] Silverback Operating II, LLC	Counties:	Eddy
Description:	Silverback Operating II, LLC [330968] , Section 35 18S 26E , nAPP2326254488		
Status:	APPROVED		
Status Date:	01/31/2024		
References (1):	nAPP2326254488		

Forms

Attachments: [C-141, Proposed Technique](#)

Questions

This submission type does not have questions, at this time.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

Summary: *csmith (1/30/2024)*, Returned to OCD Review, Initial Review only reviewed Initial C-141 and not the Remediation Plan.

Conditions

Summary: *scott.rodgers (1/31/2024)*, The Remediation Plan is Conditionally Approved. As discussed, TP23-04 and TP23-05 must be fully delineated per 19.15.29.11 A.(5)(c). The variance request to test for chloride only in confirmation samples is approved. The variance request to obtain confirmation samples representative of 700 square feet is not approved however OCD will approve a variance for samples to be representative of no more than 400 square feet. OCD notes the initial C-141 was due on 10/02/2023 and was not received until 11/30/2023. Please submit the closure report to the OCD by 04/30/2024.

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 355674

QUESTIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2326254488
Incident Name	NAPP2326254488 SECTION 35 18S 26E @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	SECTION 35 18S 26E
Date Release Discovered	09/16/2023
Surface Owner	Private

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: Normal Operations Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 230 BBL Lost: -230 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.

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, Page 2

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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; (?) reported amounts release resulting in negative volume.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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: Heather Treffert Title: Field Operations Analyst Email: htrefert@silverbackexp.com Date: 06/24/2024
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QUESTIONS, Page 3

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 51 and 75 (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 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 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 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	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
<i>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.</i>	
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)	22000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	50
GRO+DRO (EPA SW-846 Method 8015M)	20
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

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	11/28/2023
On what date will (or did) the final sampling or liner inspection occur	03/15/2024
On what date will (or was) the remediation complete(d)	02/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	57624
What is the estimated volume (in cubic yards) that will be reclaimed	8537
What is the estimated surface area (in square feet) that will be remediated	57624
What is the estimated volume (in cubic yards) that will be remediated	8537

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.

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QUESTIONS, Page 4

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	LEA LAND LANDFILL [fEEM0112342028]
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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(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: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 06/24/2024
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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, Page 5

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322675
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/15/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	57624
What was the total volume (cubic yards) remediated	8537
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	57624
What was the total volume (in cubic yards) reclaimed	8537
Summarize any additional remediation activities not included by answers (above)	None

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 .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

I hereby agree and sign off to the above statement	Name: Heather Treffert Title: Field Operations Analyst Email: htreffert@silverbackexp.com Date: 06/24/2024
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QUESTIONS, Page 7

Action 355674

QUESTIONS (continued)

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 355674

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 355674
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/8/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/8/2024