RANGER
ENVIRONMENTAL SERVICES, LLC

SITE CHARACTERIZATION, ASSESSMENT, AND PROPOSED REMEDIATION PLAN

DAYTON RECYCLE LAYFLAT LINE
32.710048, -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

NOVEMBER 28, 2023

Mr. William Kierdorf, REM
Project Manager

Mr. Patrick K. Finn, P.G. (TX)
Project Geologist

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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 a poly flowline transporting recycled produced water operated by Silverback Operating II, LLC (Silverback) in Eddy County, New Mexico. The Site is located on private property, approximately 9.6 miles south-southeast of Artesia, in Unit A, Section 35, T18S-R26E at GPS coordinates 32.710048, -104.344324.

On September 16, 2023, a release was discovered from the Dayton Recycle Layflat water line. 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 which recovered approximately 230 barrels (bbls) of released fluids.

During the initial response, Silverback representatives documented the extent of the area that was observed to have been impacted by the release. The released fluids impacted an irregularly shaped area with maximum dimensions of approximately 1,178 feet by 228 feet. 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 October 4-5, 2023, representatives of Silverback conducted assessment activities to determine the extent and depth of impacts associated with the release incident.

Silverback has engaged Ranger Environmental Services, LLC (Ranger) to assist in the assessment and remediation efforts at the Site. The following report has been prepared to provide details of the site characterization and assessment, and a proposed remediation plan to address the impacts from the release.

A copy of the previously submitted Initial C-141 Form Release Notification is attached. Additionally, *Site Assessment/Characterization* and *Remediation Plan* sections of Form C-141 are attached. A *Topographic Map* and *Area Map* noting the location of the subject Site and surrounding areas, and Site maps illustrating the Site features, sampling locations, and proposed remediation areas, are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was

reviewed. Based upon the USGS and NMOSE information, five water wells are reported to be located within a half-mile of the Site. However, the available records pertaining to these wells either lack depth-to-groundwater information, or contain depth-to-groundwater data which is older than the NMOCD acceptable time-frame of 25 years.

During a reconnaissance of the site area, Silverback representatives located a water well at a private residence to the north, and within a half-mile of, the Site. Upon contact, the owner of the well granted Silverback and Ranger representatives access to the well to collect a depth-to-groundwater measurement. On September 27, 2023, Ranger personnel collected a depth-to-groundwater measurement utilizing a Solinst 100-foot water level meter. At the time of gauging, groundwater was encountered at a depth of approximately 52.51 feet below ground surface (bgs).

Based on the current well gauging data collected by Ranger personnel, the area depth-to-groundwater appears to be greater than 50 feet.

A copy of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

The USGS and NMOSE well records indicated that five water sources (RA-02627, RA-04018, RA-07243, RA-07242 and RA-07219) were located within a half-mile of the Site. Silverback representatives located an additional water well at a private residence to the north of the Site. These wells and their approximate distances from the Site are summarized below:

ID	*Distance from Site*
Domestic Water Well	*~1,447 feet north-northwest*
*RA 02672**	*~937 feet north-northwest***
RA 07219	*~2,204 feet north***
RA 07242 EXP / RA 07243 EXP	*~2,241 feet north-northwest***
RA 04018	*~2,400 feet north***

**During field survey of area, no wells were observed in the vicinity of the reported location.*
***Distance measurement based on NMOSE reported well location.*

As summarized above, one well (RA 02672) was reported to be located within 1,000 feet of the Site; however, during field reconnaissance of the area, no water well was observed at the reported location or within 1,000 feet of the reported location.

Upon review of the National Wetland Inventory, the impacted area is not within 300 feet of a mapped feature.

The Site and impacted area are outside of the FEMA 100-year flood plain and fall in the area of minimal flood hazard.

The Site area is within an area of “Medium Karst” probability.

2.3 *Distance to Nearest Significance Watercourse*

Based upon available online resources, no significant water courses are located within a half-mile of the site.

2.4 Proposed Site Closure Criteria

Based upon the Site characterization details, and per NMAC 19.15.29.12, the Site is proposed to be remediated to Table 1 19.15.29.12 NMAC Table 1 (groundwater 51-100 feet) criteria (Table 1 Closure Criteria). Additionally, the remediation activities will be conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation Criteria (Restoration Criteria) detailed in NMAC 19.15.29.13. The regulatory criteria are summarized below:

Proposed 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*	---	50*	10*

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

**Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.*

3.0 SITE ASSESSMENT

3.1 Horizontal Delineation

To determine the horizontal extent of impacts associated with the incident, representatives of Silverback mobilized to the Site on October 4, 2023. The assessment process included the installation of 14 hand auger soil borings strategically located around the boundaries of the observed impacted area. Based on the surficial nature of the release, the hand auger soil borings were completed to a maximum depth of approximately two feet bgs.

The encountered soils were field screened by Silverback representatives at the surface and at approximate one-foot intervals to the boring terminal depths. Field screening for soil chloride concentrations was performed through the collection of soil electrical conductivity readings and usage of chloride titration kits. Field screening for total petroleum hydrocarbons (TPH) was conducted using a PetroFLAG® analyzer kit. No elevated field chloride or TPH readings were encountered. To confirm the horizontal extent of the soil impacts, soil samples were collected for laboratory analysis at each boring location from the surface and two foot depth interval. The soil samples were subsequently submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; benzene, toluene, ethylbenzene, and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300.0.

3.2 Vertical Delineation

In order to determine the vertical extent of impacts within the affected area, vertical soil delineation activities were completed on October 5, 2023. The assessment process included the installation of excavation test holes, the collection of soil samples for field screening purposes (using the methodologies described above), and the collection of soil samples for laboratory analysis. A

total of seven test excavations were completed in various locations within the observed impacted area.

The test excavations were primarily completed to a depth of four feet bgs, with one test excavation ("TP23-03") being completed to a maximum depth of eight feet bgs in order to vertically delineate soil chloride concentrations to within 600 mg/Kg as detailed in NMAC 19.15.29.11 (A)(5)(c). Test excavation "TP23-03" was selected for the deeper vertical delineation activities due its proximity to the release location and the likelihood of the most severe impacts being in this area, and because this test excavation was found to contain the highest soil electrical conductivity reading at the four-foot depth interval.

Within the impact area, samples noted to contain elevated field chloride concentrations were encountered in the surface to four-foot depth interval. To confirm the vertical extent of the soil impacts, soil samples were subsequently collected for laboratory analysis. A minimum of two soil samples were collected from each test excavation location at the surface and four-foot depth intervals. A total of four soil samples were collected for laboratory analysis from test excavation "TP23-03" which was completed to a terminal depth of eight feet bgs.

Upon collection, the soil samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods.

3.3 Assessment Sample Laboratory Results

Upon review of the laboratory analytical results, the samples collected during the October 4 and 5, 2023 assessment process were successful in delineating the soil impacts to boundaries within the proposed site closure criteria. All soil samples collected during the horizontal delineation activities were noted to contain nondetectable BTEX and TPH concentrations and chloride concentrations below the applicable 600 mg/Kg chloride Restoration Criteria.

The vertical delineation soil samples were also found to contain nondetectable BTEX and TPH concentrations; however, elevated soil chloride concentrations were documented to be present. All seven surface soil samples were documented to contain chloride concentrations in exceedance of both the Restoration Criteria and the Table 1 Closure Criteria. All samples collected at or below four feet bgs were documented to contain chloride concentrations below the Table 1 Closure Criteria. The vertical delineation soil samples collected from test excavation "TP23-03" documented that the vertical extent of the soil chloride impacts in excess of 600 mg/Kg had been delineated by an approximate depth of six feet bgs. The six-foot sample collected from test excavation "TP23-03" was found to contain 410 mg/Kg chloride which was well below the 600 mg/Kg NMAC 19.15.29.11 (A)(5)(c) vertical delineation criteria.

An *Assessment Sample Location Map* depicting the impact area and all assessment sample locations is attached. A table summarizing the laboratory analytical results is also attached, as well as copies of the laboratory analytical reports and chain-of-custody documentation.

4.0 PROPOSED REMEDIATION

Based on the laboratory analytical results for the samples collected during the site assessment process, remedial action is necessary to address the impacts from the release. To address the impact the following activities are proposed:

4.1 Remedial Soil Excavation and Confirmation Sampling

To address the documented elevated soil chloride concentrations, remedial soil removal operations are proposed. Based on the impact area observed during the discovery of the release in conjunction with the findings of the assessment process, soil removal will be conducted in an area with maximum dimensions of approximately 1,180 feet by 230 feet. The soil removal operations will be completed to a depth of approximately four feet bgs to bring the site into compliance with the proposed site closure criteria for chloride.

During the excavation process, Silverback representatives will conduct field screening activities to assist in guiding the excavation to appropriate boundaries. To confirm the excavation has been completed to appropriate boundaries, cleanup confirmation soil samples will be collected from the excavation base and side wall areas. Based on the surficial nature of the release and the results of the horizontal and vertical delineation activities, it is proposed that the cleanup confirmation sampling be conducted by way of five-part composite samples representative of no more than 700 square feet. Based on the proposed excavation size, approximately 75 excavation base soil samples and 17 excavation side wall samples are anticipated to be collected.

Since no detectable BTEX or TPH concentrations were documented to be present in the site soils, it is further proposed that the analyses of the cleanup confirmation soil samples be limited to chloride utilizing an NMOCD approved laboratory method.

Upon receipt of the laboratory analytical results for the cleanup confirmation soil samples, the excavation side wall sample results will be compared to the 600 mg/Kg soil chloride Restoration Criteria. The samples collected from excavation base will be compared to the Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100'). If a sample analytical result is found to exceed the applicable regulatory criteria, then additional soil removal operations will be completed and additional cleanup confirmation soil samples will be collected until the laboratory results confirm that the excavation activities have achieved the proposed site closure criteria.

5.0 SITE CLOSURE

Upon completion of the remedial and backfilling activities at the Site, a C-141 Closure Report will be submitted to the NMOCD, and site closure will be requested. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

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

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Scott Rodgers Date: 12/01/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2326254488
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	~52’ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2326254488
District RP	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Mark Ritchie Title: HSE Manager

Signature: Mark Ritchie Date: 11/30/2023

email: mritchie@silverbackexp.com Telephone: 210-874-2406

OCD Only

Received by: Scott Rodgers Date: 12/01/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2326254488
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Mark Ritchie Title: HSE Manager

Signature: Mark Ritchie Date: 11/30/2023

email: mritchie@silverbackex.com Telephone: 210-874-2406

OCD Only

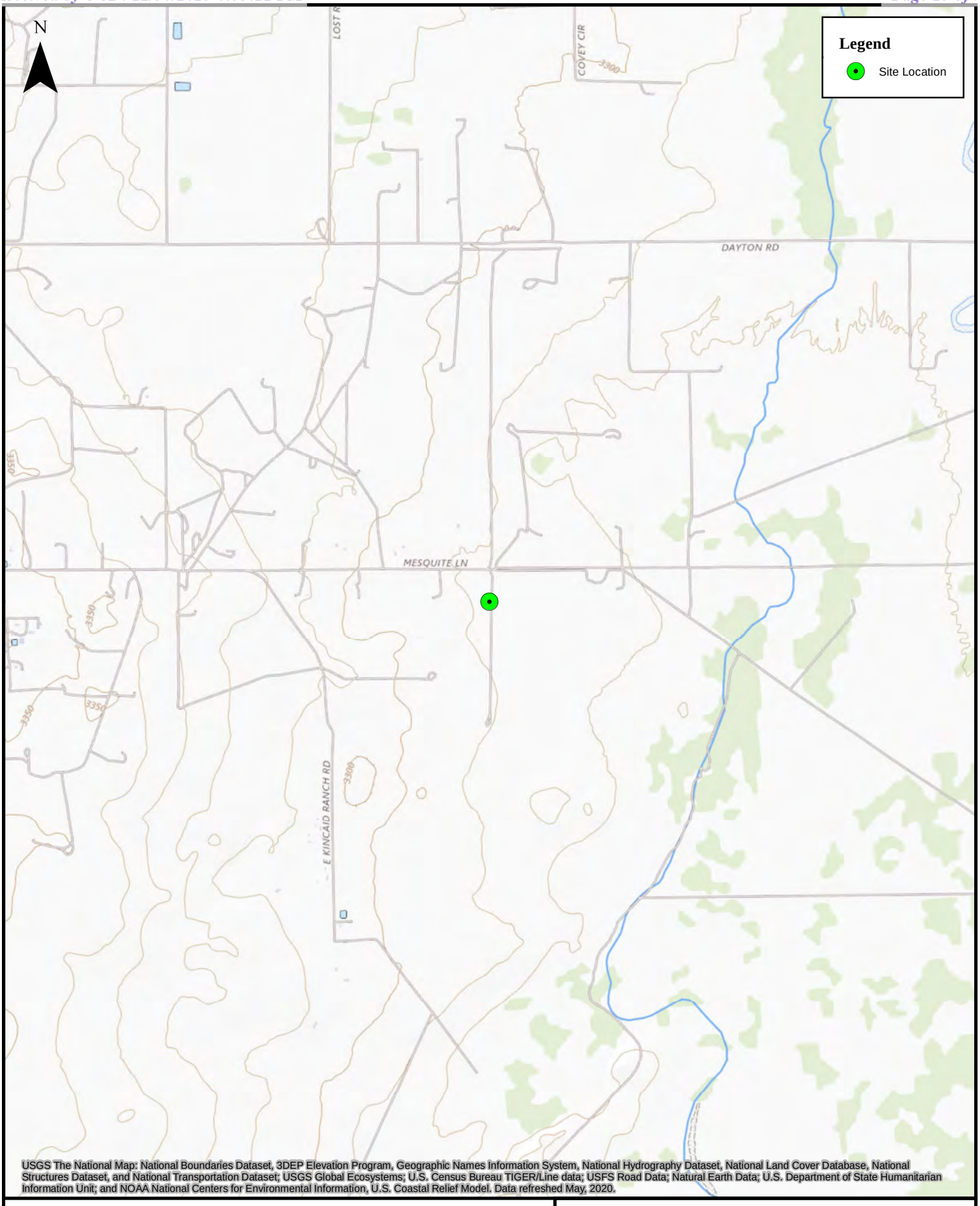
Received by: Scott Rodgers Date: 12/01/2023

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

Signature: Scott Rodgers Date: 01/31/2024

FIGURES

Topographic Map
Area Map
DTGW Information Location Map
National Wetland Inventory Map
FEMA Floodplain Map
Karst Topography Map
Assessment Sample Location Map
Proposed Excavation Area Map



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.

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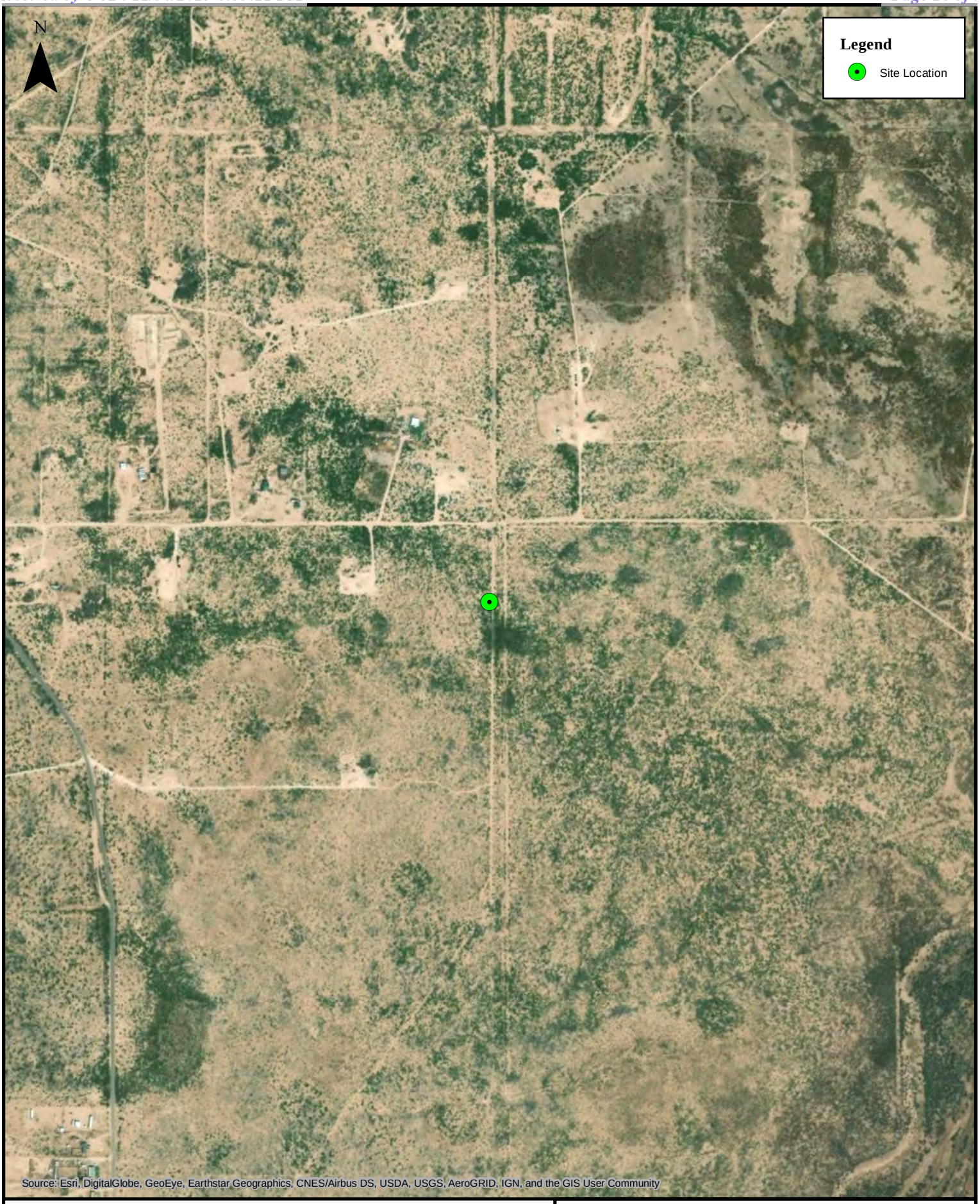
0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



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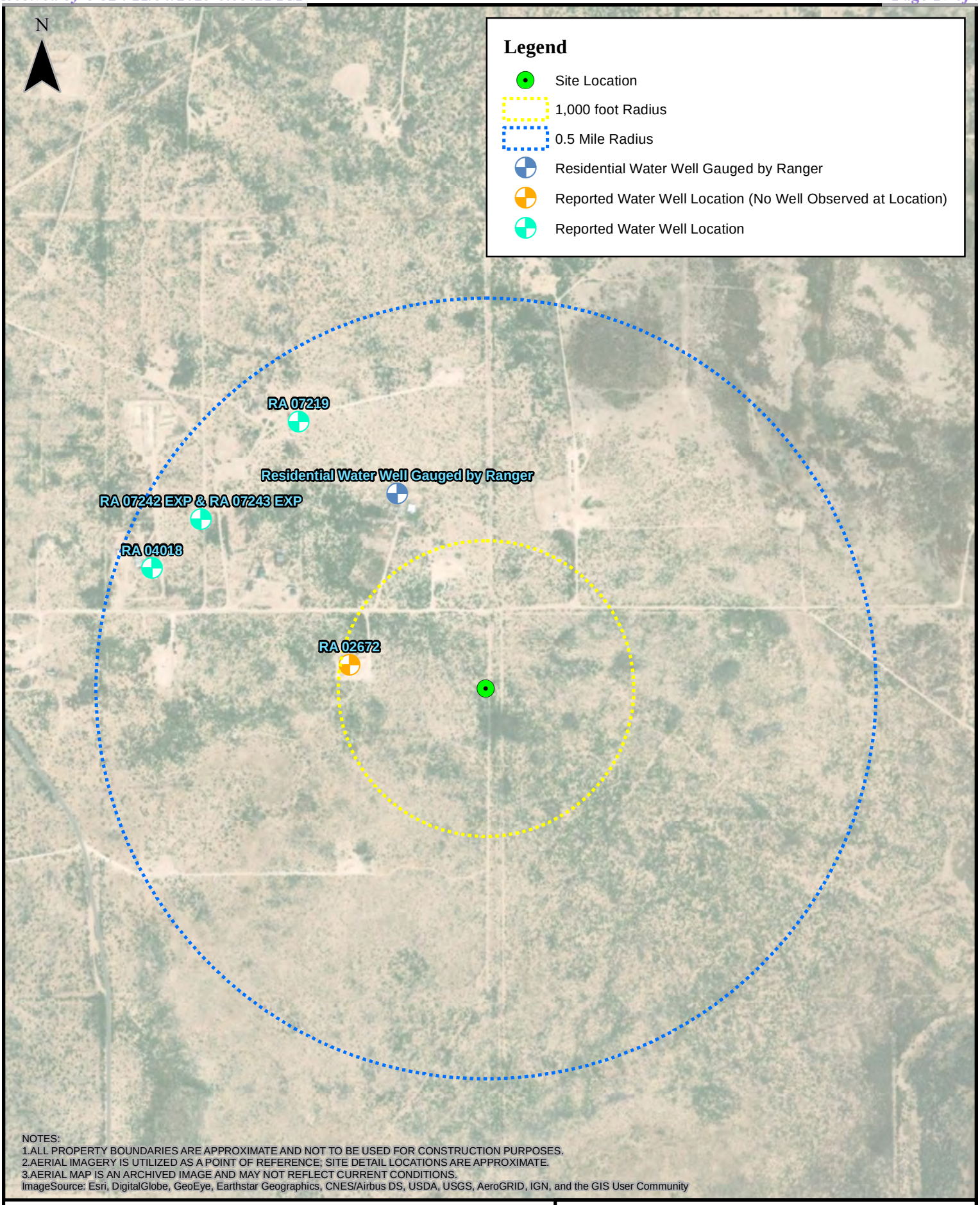
Area Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



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

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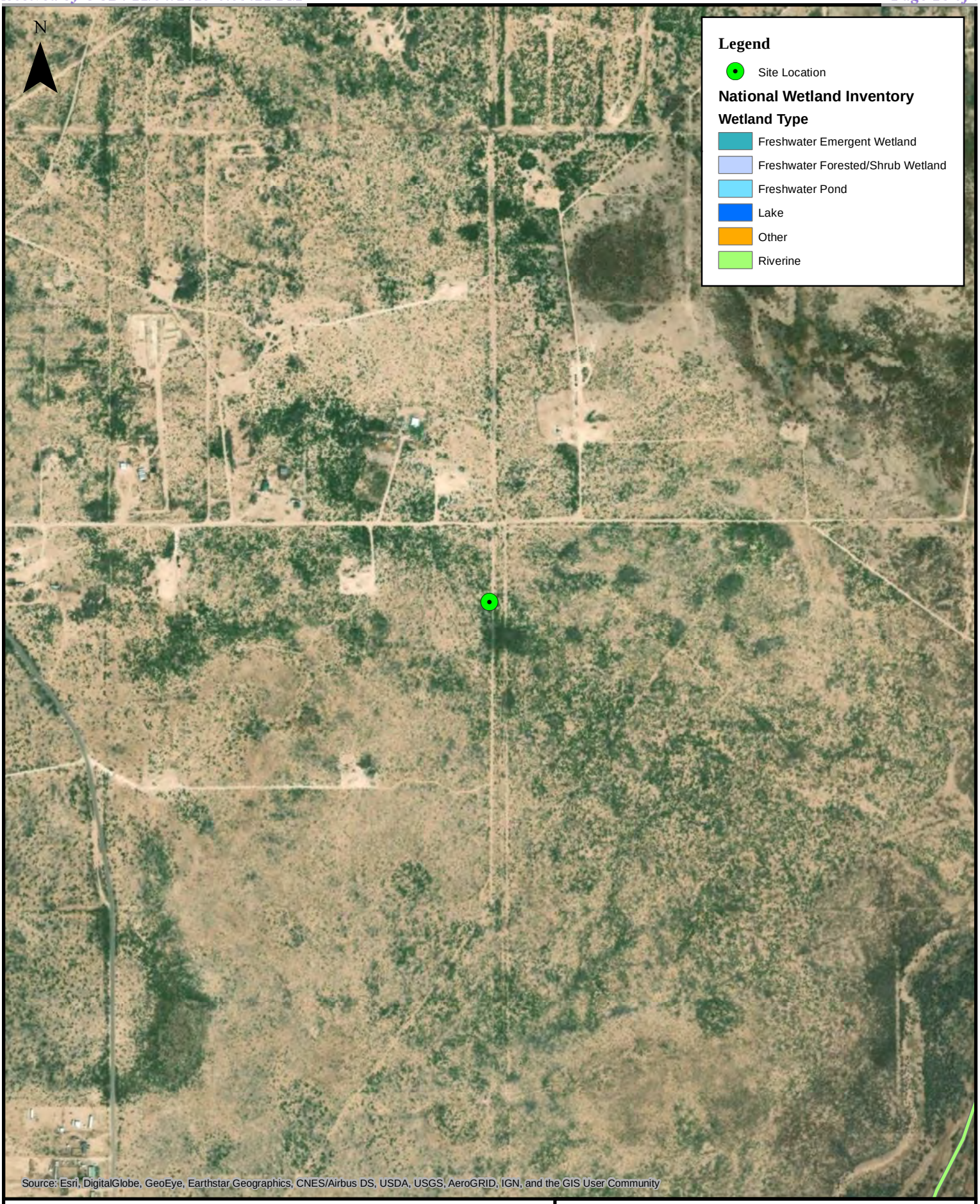
DTGW Information Location Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



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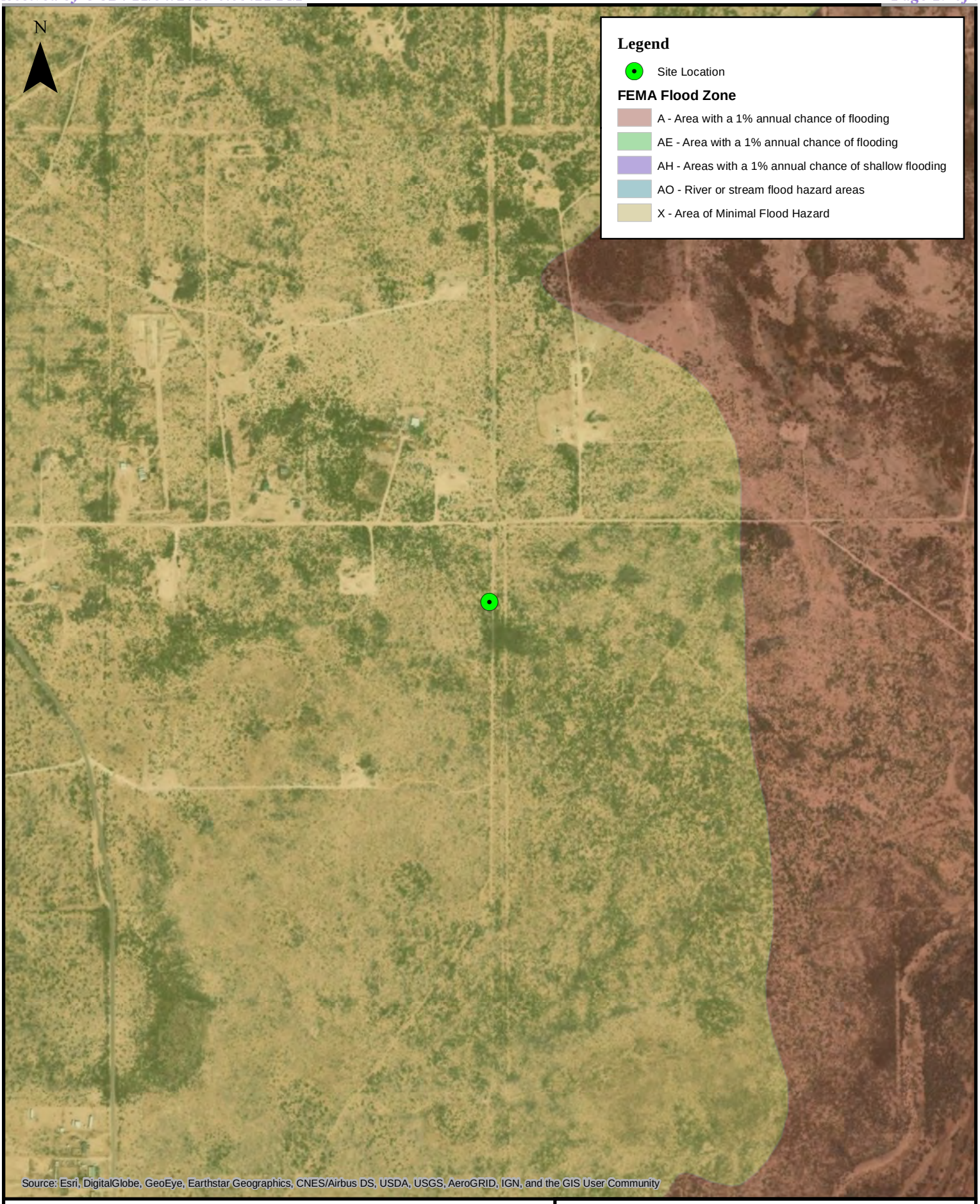
1:10,000

National Wetland Inventory Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



RANGER ENVIRONMENTAL SERVICES, LLC

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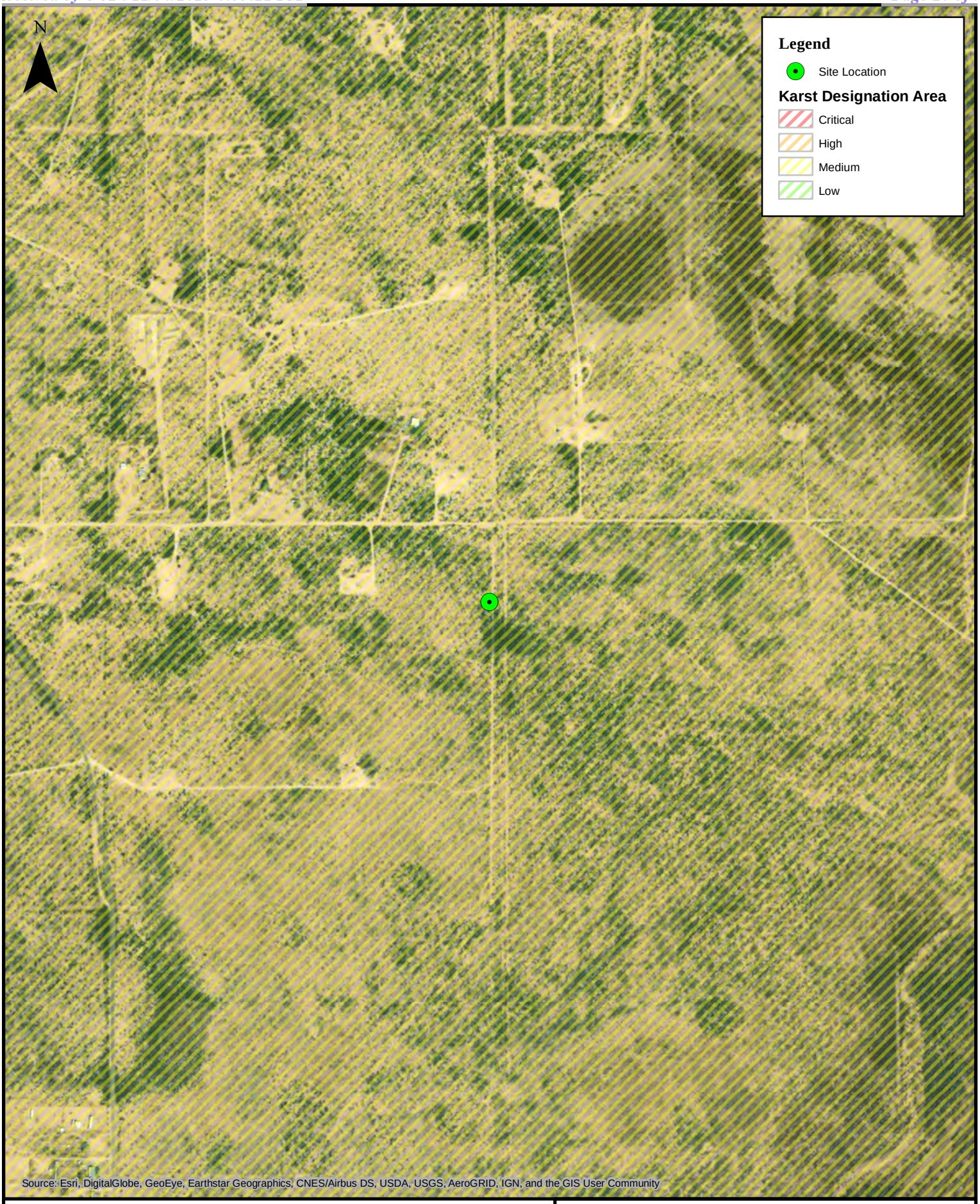
1:10,000

FEMA Floodplain Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



RANGER ENVIRONMENTAL SERVICES, LLC

0 250 500 1,000 1,500 2,000 Feet

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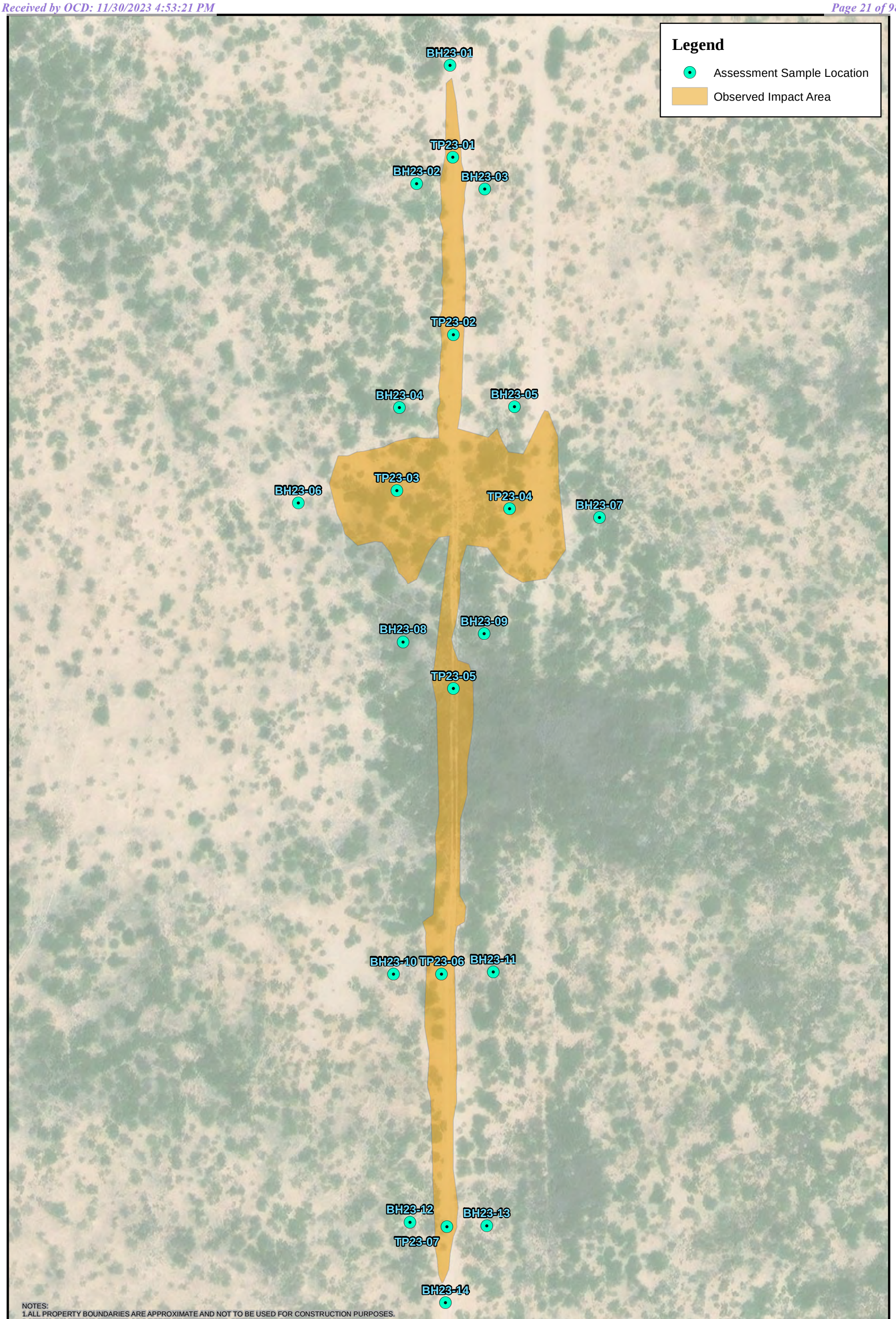
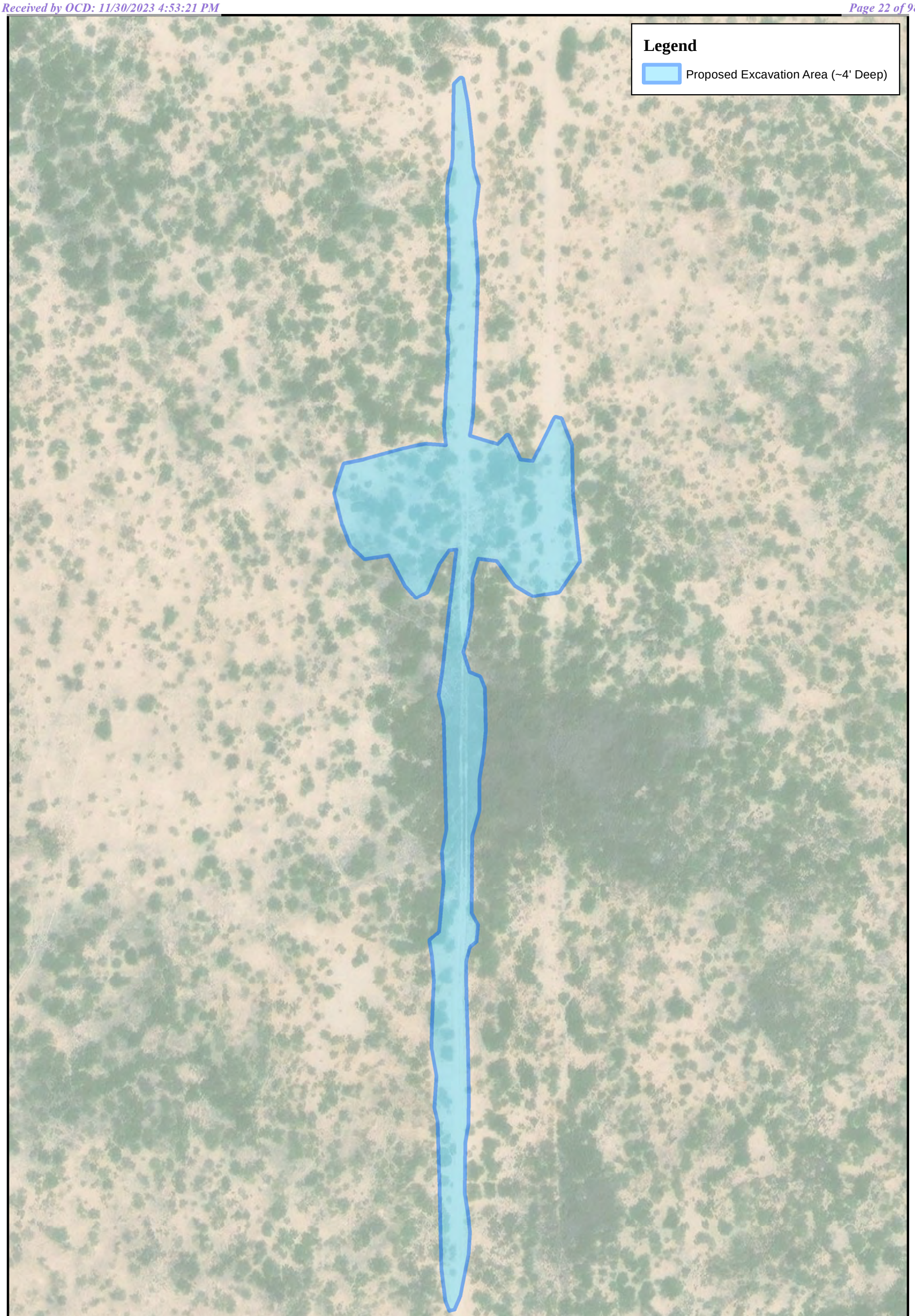
Karst Topography Map
Dayton Layflat Recycle Line
Silverback Operating II, LLC



Assessment Sample Location Map

Dayton Layflat Recycle Line

Silverback Operating II, LLC



NOTES:
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RANGER ENVIRONMENTAL SERVICES, LLC

0 25 50 100 150 200 Feet

1:1,000

N

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

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER INFORMATION

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 02627	1	2	2	35	18S	26E	561169	3619382*

Driller License:		**Driller Company:**			
Driller Name:	WILLARD BEATY				
Drill Start Date:	06/30/1950	**Drill Finish Date:**	07/06/1950	**Plug Date:**	
Log File Date:	07/19/1951	**PCW Rcv Date:**	06/07/1951	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.00	**Depth Well:**	75 feet	**Depth Water:**	40 feet

Water Bearing Stratifications:	Top	Bottom	Description
	63	70	Sandstone/Gravel/Conglomerate

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 04018	3	3	4	26	18S	26E	560762	3619581*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 250 feet **Depth Water:**

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 07219			4	26	18S	26E	561064	3619883*

Driller License:	749	**Driller Company:**	HUGHES, SAMUEL DALE		
Driller Name:					
Drill Start Date:	08/25/1983	**Drill Finish Date:**	09/02/1983	**Plug Date:**	
Log File Date:	09/07/1983	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	30 GPM
Casing Size:	7.00	**Depth Well:**	110 feet	**Depth Water:**	50 feet

Water Bearing Stratifications:	Top	Bottom	Description
	50	85	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	70	110

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 07242 EXP		3	4	26	18S	26E	560863	3619682*

Driller License:	749	**Driller Company:**	HUGHES, SAMUEL DALE		
Driller Name:					
Drill Start Date:	09/20/1983	**Drill Finish Date:**	10/30/1983	**Plug Date:**	
Log File Date:	11/08/1983	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	40 GPM
Casing Size:	7.00	**Depth Well:**	102 feet	**Depth Water:**	55 feet

Water Bearing Stratifications:	Top	Bottom	Description
	55	98	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	60	102

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 07243 EXP	3		4	26	18S	26E	560863	3619682*

Driller License:	749	**Driller Company:**	HUGHES, SAMUEL DALE		
Driller Name:					
Drill Start Date:	07/01/1984	**Drill Finish Date:**	07/25/1984	**Plug Date:**	
Log File Date:	07/27/1984	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	50 GPM
Casing Size:	8.00	**Depth Well:**	110 feet	**Depth Water:**	50 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	68	Sandstone/Gravel/Conglomerate
	68	80	Sandstone/Gravel/Conglomerate
	80	90	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	45	110

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

TABLES

Site Assessment Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

SITE ASSESSMENT SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) 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
TP23-05 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
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)			**10** [3]	**---**	**---**	**---**	**50** [3]	**---**	**---**	**---**	**---**	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 the Spill Rule (19.15.29 NMAC) dated September 6, 2019.

ATTACHMENT 2 – SITE PHOTOGRAPHS

PHOTOGRAPH NO. 1 – A view Site during the initial response activities in the vicinity of the release location. The view is towards the south.

(Approximate GPS Coordinates: 32.709747, -104.344278)

PHOTOGRAPH NO. 2 – An additional view of the Site during the initial response activities. The view is towards the north.

(Approximate GPS Coordinates: 32.709253, -104.344278)

PHOTOGRAPH NO. 3 – A view of the water well depth-to-groundwater measurement collected by Ranger personnel.

PHOTOGRAPH NO. 4 – A general view of the vertical delineation assessment activities completed by Silverback representatives on October 5, 2023

ATTACHMENT 3 – LABORATORY REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 18, 2023

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Dayton OrderNo.: 2310321

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 28 sample(s) on 10/6/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Client Sample ID: BH23-01 0ft
Project: Dayton
Collection Date: 10/4/2023 9:00:00 AM
Lab ID: 2310321-001 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	ND	60		mg/Kg	20	10/10/2023 12:17:26 PM	78041
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 6:05:59 PM	78013
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 6:05:59 PM	78013
Surr: DNOP	95.2	69-147		%Rec	1	10/9/2023 6:05:59 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/9/2023 8:38:00 PM	78004
Surr: BFB	101	15-244		%Rec	1	10/9/2023 8:38:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 8:38:00 PM	78004
Toluene	ND	0.048		mg/Kg	1	10/9/2023 8:38:00 PM	78004
Ethylbenzene	ND	0.048		mg/Kg	1	10/9/2023 8:38:00 PM	78004
Xylenes, Total	ND	0.096		mg/Kg	1	10/9/2023 8:38:00 PM	78004
Surr: 4-Bromofluorobenzene	87.9	39.1-146		%Rec	1	10/9/2023 8:38:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-002 **Matrix:** SOIL

Client Sample ID: BH23-01 2ft
Collection Date: 10/4/2023 9:05:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	ND	60		mg/Kg	20	10/10/2023 12:29:51 PM	78041
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 6:29:47 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 6:29:47 PM	78013
Surr: DNOP	95.3	69-147		%Rec	1	10/9/2023 6:29:47 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/9/2023 9:00:00 PM	78004
Surr: BFB	100	15-244		%Rec	1	10/9/2023 9:00:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.023		mg/Kg	1	10/9/2023 9:00:00 PM	78004
Toluene	ND	0.047		mg/Kg	1	10/9/2023 9:00:00 PM	78004
Ethylbenzene	ND	0.047		mg/Kg	1	10/9/2023 9:00:00 PM	78004
Xylenes, Total	ND	0.093		mg/Kg	1	10/9/2023 9:00:00 PM	78004
Surr: 4-Bromofluorobenzene	89.2	39.1-146		%Rec	1	10/9/2023 9:00:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-02 0ft
Project: Dayton
Collection Date: 10/4/2023 9:10:00 AM
Lab ID: 2310321-003 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	71	60		mg/Kg	20	10/11/2023 9:12:15 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/9/2023 6:53:38 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 6:53:38 PM	78013
Surr: DNOP	89.1	69-147		%Rec	1	10/9/2023 6:53:38 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/9/2023 9:22:00 PM	78004
Surr: BFB	99.8	15-244		%Rec	1	10/9/2023 9:22:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 9:22:00 PM	78004
Toluene	ND	0.048		mg/Kg	1	10/9/2023 9:22:00 PM	78004
Ethylbenzene	ND	0.048		mg/Kg	1	10/9/2023 9:22:00 PM	78004
Xylenes, Total	ND	0.097		mg/Kg	1	10/9/2023 9:22:00 PM	78004
Surr: 4-Bromofluorobenzene	88.4	39.1-146		%Rec	1	10/9/2023 9:22:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-004 **Matrix:** SOIL

Client Sample ID: BH23-02 2ft
Collection Date: 10/4/2023 9:15:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	78	60		mg/Kg	20	10/11/2023 9:24:40 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 7:17:27 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 7:17:27 PM	78013
Surr: DNOP	97.8	69-147		%Rec	1	10/9/2023 7:17:27 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/9/2023 9:43:00 PM	78004
Surr: BFB	95.7	15-244		%Rec	1	10/9/2023 9:43:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 9:43:00 PM	78004
Toluene	ND	0.047		mg/Kg	1	10/9/2023 9:43:00 PM	78004
Ethylbenzene	ND	0.047		mg/Kg	1	10/9/2023 9:43:00 PM	78004
Xylenes, Total	ND	0.094		mg/Kg	1	10/9/2023 9:43:00 PM	78004
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	10/9/2023 9:43:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-03 0ft
Project: Dayton
Collection Date: 10/4/2023 9:20:00 AM
Lab ID: 2310321-005 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**KCB**
Chloride	140	60		mg/Kg	20	10/11/2023 9:37:05 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/9/2023 7:41:12 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 7:41:12 PM	78013
Surr: DNOP	102	69-147		%Rec	1	10/9/2023 7:41:12 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/9/2023 10:27:00 PM	78004
Surr: BFB	100	15-244		%Rec	1	10/9/2023 10:27:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst:	**KMN**
Benzene	ND	0.025		mg/Kg	1	10/9/2023 10:27:00 PM	78004
Toluene	ND	0.050		mg/Kg	1	10/9/2023 10:27:00 PM	78004
Ethylbenzene	ND	0.050		mg/Kg	1	10/9/2023 10:27:00 PM	78004
Xylenes, Total	ND	0.10		mg/Kg	1	10/9/2023 10:27:00 PM	78004
Surr: 4-Bromofluorobenzene	87.7	39.1-146		%Rec	1	10/9/2023 10:27:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Client Sample ID: BH23-03 2ft
Project: Dayton
Collection Date: 10/4/2023 9:25:00 AM
Lab ID: 2310321-006 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	82	60		mg/Kg	20	10/11/2023 9:49:30 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 8:05:02 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 8:05:02 PM	78013
Surr: DNOP	106	69-147		%Rec	1	10/9/2023 8:05:02 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/9/2023 10:49:00 PM	78004
Surr: BFB	101	15-244		%Rec	1	10/9/2023 10:49:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 10:49:00 PM	78004
Toluene	ND	0.047		mg/Kg	1	10/9/2023 10:49:00 PM	78004
Ethylbenzene	ND	0.047		mg/Kg	1	10/9/2023 10:49:00 PM	78004
Xylenes, Total	ND	0.095		mg/Kg	1	10/9/2023 10:49:00 PM	78004
Surr: 4-Bromofluorobenzene	90.3	39.1-146		%Rec	1	10/9/2023 10:49:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-04 0ft
Project: Dayton
Collection Date: 10/4/2023 9:30:00 AM
Lab ID: 2310321-007 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	88	60		mg/Kg	20	10/11/2023 10:01:55 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 8:28:54 PM	78013
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 8:28:54 PM	78013
Surr: DNOP	75.6	69-147		%Rec	1	10/9/2023 8:28:54 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/9/2023 11:11:00 PM	78004
Surr: BFB	99.9	15-244		%Rec	1	10/9/2023 11:11:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 11:11:00 PM	78004
Toluene	ND	0.049		mg/Kg	1	10/9/2023 11:11:00 PM	78004
Ethylbenzene	ND	0.049		mg/Kg	1	10/9/2023 11:11:00 PM	78004
Xylenes, Total	ND	0.098		mg/Kg	1	10/9/2023 11:11:00 PM	78004
Surr: 4-Bromofluorobenzene	89.0	39.1-146		%Rec	1	10/9/2023 11:11:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Client Sample ID: BH23-04 2ft
Project: Dayton
Collection Date: 10/4/2023 9:35:00 AM
Lab ID: 2310321-008 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/11/2023 10:14:19 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 8:52:45 PM	78013
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 8:52:45 PM	78013
Surr: DNOP	93.8	69-147		%Rec	1	10/9/2023 8:52:45 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/9/2023 11:32:00 PM	78004
Surr: BFB	98.0	15-244		%Rec	1	10/9/2023 11:32:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 11:32:00 PM	78004
Toluene	ND	0.049		mg/Kg	1	10/9/2023 11:32:00 PM	78004
Ethylbenzene	ND	0.049		mg/Kg	1	10/9/2023 11:32:00 PM	78004
Xylenes, Total	ND	0.098		mg/Kg	1	10/9/2023 11:32:00 PM	78004
Surr: 4-Bromofluorobenzene	89.0	39.1-146		%Rec	1	10/9/2023 11:32:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-05 0ft
Project: Dayton
Collection Date: 10/4/2023 9:40:00 AM
Lab ID: 2310321-009 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/11/2023 10:26:43 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/9/2023 9:16:38 PM	78013
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 9:16:38 PM	78013
Surr: DNOP	101	69-147		%Rec	1	10/9/2023 9:16:38 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/9/2023 11:54:00 PM	78004
Surr: BFB	102	15-244		%Rec	1	10/9/2023 11:54:00 PM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.023		mg/Kg	1	10/9/2023 11:54:00 PM	78004
Toluene	ND	0.046		mg/Kg	1	10/9/2023 11:54:00 PM	78004
Ethylbenzene	ND	0.046		mg/Kg	1	10/9/2023 11:54:00 PM	78004
Xylenes, Total	ND	0.093		mg/Kg	1	10/9/2023 11:54:00 PM	78004
Surr: 4-Bromofluorobenzene	89.9	39.1-146		%Rec	1	10/9/2023 11:54:00 PM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-05 2ft
Project: Dayton
Collection Date: 10/4/2023 9:45:00 AM
Lab ID: 2310321-010 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	87	60		mg/Kg	20	10/11/2023 10:39:07 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/9/2023 9:40:29 PM	78013
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 9:40:29 PM	78013
Surr: DNOP	90.9	69-147		%Rec	1	10/9/2023 9:40:29 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/10/2023 12:16:00 AM	78004
Surr: BFB	96.5	15-244		%Rec	1	10/10/2023 12:16:00 AM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/10/2023 12:16:00 AM	78004
Toluene	ND	0.049		mg/Kg	1	10/10/2023 12:16:00 AM	78004
Ethylbenzene	ND	0.049		mg/Kg	1	10/10/2023 12:16:00 AM	78004
Xylenes, Total	ND	0.097		mg/Kg	1	10/10/2023 12:16:00 AM	78004
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	10/10/2023 12:16:00 AM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-06 0ft
Project: Dayton
Collection Date: 10/4/2023 9:50:00 AM
Lab ID: 2310321-011 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/11/2023 10:51:32 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/9/2023 10:04:17 PM	78013
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 10:04:17 PM	78013
Surr: DNOP	85.9	69-147		%Rec	1	10/9/2023 10:04:17 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/10/2023 12:37:00 AM	78004
Surr: BFB	99.0	15-244		%Rec	1	10/10/2023 12:37:00 AM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	10/10/2023 12:37:00 AM	78004
Toluene	ND	0.049		mg/Kg	1	10/10/2023 12:37:00 AM	78004
Ethylbenzene	ND	0.049		mg/Kg	1	10/10/2023 12:37:00 AM	78004
Xylenes, Total	ND	0.098		mg/Kg	1	10/10/2023 12:37:00 AM	78004
Surr: 4-Bromofluorobenzene	86.9	39.1-146		%Rec	1	10/10/2023 12:37:00 AM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-06 2ft
Project: Dayton
Collection Date: 10/4/2023 9:55:00 AM
Lab ID: 2310321-012 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/11/2023 11:03:57 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/9/2023 10:28:10 PM	78013
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 10:28:10 PM	78013
Surr: DNOP	102	69-147		%Rec	1	10/9/2023 10:28:10 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/10/2023 12:59:00 AM	78004
Surr: BFB	97.5	15-244		%Rec	1	10/10/2023 12:59:00 AM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/10/2023 12:59:00 AM	78004
Toluene	ND	0.049		mg/Kg	1	10/10/2023 12:59:00 AM	78004
Ethylbenzene	ND	0.049		mg/Kg	1	10/10/2023 12:59:00 AM	78004
Xylenes, Total	ND	0.097		mg/Kg	1	10/10/2023 12:59:00 AM	78004
Surr: 4-Bromofluorobenzene	87.0	39.1-146		%Rec	1	10/10/2023 12:59:00 AM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-07 0ft
Project: Dayton
Collection Date: 10/4/2023 10:00:00 AM
Lab ID: 2310321-013 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/11/2023 11:41:12 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/9/2023 10:51:59 PM	78013
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 10:51:59 PM	78013
Surr: DNOP	92.3	69-147		%Rec	1	10/9/2023 10:51:59 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/10/2023 1:21:00 AM	78004
Surr: BFB	96.9	15-244		%Rec	1	10/10/2023 1:21:00 AM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.025		mg/Kg	1	10/10/2023 1:21:00 AM	78004
Toluene	ND	0.050		mg/Kg	1	10/10/2023 1:21:00 AM	78004
Ethylbenzene	ND	0.050		mg/Kg	1	10/10/2023 1:21:00 AM	78004
Xylenes, Total	ND	0.10		mg/Kg	1	10/10/2023 1:21:00 AM	78004
Surr: 4-Bromofluorobenzene	85.9	39.1-146		%Rec	1	10/10/2023 1:21:00 AM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-014 **Matrix:** SOIL

Client Sample ID: BH23-07 2ft
Collection Date: 10/4/2023 10:05:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	77	60		mg/Kg	20	10/11/2023 11:53:37 PM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 11:15:49 PM	78013
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 11:15:49 PM	78013
Surr: DNOP	99.9	69-147		%Rec	1	10/9/2023 11:15:49 PM	78013
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/10/2023 1:42:00 AM	78004
Surr: BFB	95.8	15-244		%Rec	1	10/10/2023 1:42:00 AM	78004
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**	
Benzene	ND	0.024		mg/Kg	1	10/10/2023 1:42:00 AM	78004
Toluene	ND	0.048		mg/Kg	1	10/10/2023 1:42:00 AM	78004
Ethylbenzene	ND	0.048		mg/Kg	1	10/10/2023 1:42:00 AM	78004
Xylenes, Total	ND	0.097		mg/Kg	1	10/10/2023 1:42:00 AM	78004
Surr: 4-Bromofluorobenzene	85.9	39.1-146		%Rec	1	10/10/2023 1:42:00 AM	78004

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-08 0ft
Project: Dayton
Collection Date: 10/4/2023 10:10:00 AM
Lab ID: 2310321-015 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/12/2023 12:06:01 AM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/9/2023 12:58:17 PM	78017
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 12:58:17 PM	78017
Surr: DNOP	90.8	69-147		%Rec	1	10/9/2023 12:58:17 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/10/2023 11:25:37 PM	78012
Surr: BFB	94.4	15-244		%Rec	1	10/10/2023 11:25:37 PM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 10:03:20 PM	78012
Toluene	ND	0.049		mg/Kg	1	10/9/2023 10:03:20 PM	78012
Ethylbenzene	ND	0.049		mg/Kg	1	10/9/2023 10:03:20 PM	78012
Xylenes, Total	ND	0.097		mg/Kg	1	10/9/2023 10:03:20 PM	78012
Surr: 4-Bromofluorobenzene	164	39.1-146	S	%Rec	1	10/9/2023 10:03:20 PM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-016 **Matrix:** SOIL

Client Sample ID: BH23-08 2ft
Collection Date: 10/4/2023 10:15:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/12/2023 12:18:26 AM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/9/2023 1:09:09 PM	78017
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 1:09:09 PM	78017
Surr: DNOP	94.4	69-147		%Rec	1	10/9/2023 1:09:09 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/10/2023 11:49:08 PM	78012
Surr: BFB	93.2	15-244		%Rec	1	10/10/2023 11:49:08 PM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/9/2023 11:13:45 PM	78012
Toluene	ND	0.048		mg/Kg	1	10/9/2023 11:13:45 PM	78012
Ethylbenzene	ND	0.048		mg/Kg	1	10/9/2023 11:13:45 PM	78012
Xylenes, Total	ND	0.096		mg/Kg	1	10/9/2023 11:13:45 PM	78012
Surr: 4-Bromofluorobenzene	175	39.1-146	S	%Rec	1	10/9/2023 11:13:45 PM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-017 **Matrix:** SOIL

Client Sample ID: BH23-09 0ft
Collection Date: 10/4/2023 10:20:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/12/2023 12:30:51 AM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 1:19:59 PM	78017
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 1:19:59 PM	78017
Surr: DNOP	102	69-147		%Rec	1	10/9/2023 1:19:59 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 12:12:39 AM	78012
Surr: BFB	92.6	15-244		%Rec	1	10/11/2023 12:12:39 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/10/2023 12:24:40 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/10/2023 12:24:40 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/10/2023 12:24:40 AM	78012
Xylenes, Total	ND	0.095		mg/Kg	1	10/10/2023 12:24:40 AM	78012
Surr: 4-Bromofluorobenzene	187	39.1-146	S	%Rec	1	10/10/2023 12:24:40 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-09 2ft
Project: Dayton
Collection Date: 10/4/2023 10:25:00 AM
Lab ID: 2310321-018 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **KCB**	
Chloride	ND	60		mg/Kg	20	10/12/2023 12:43:16 AM	78097
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/9/2023 1:30:49 PM	78017
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 1:30:49 PM	78017
Surr: DNOP	98.5	69-147		%Rec	1	10/9/2023 1:30:49 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 12:36:15 AM	78012
Surr: BFB	95.1	15-244		%Rec	1	10/11/2023 12:36:15 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	10/10/2023 12:48:20 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/10/2023 12:48:20 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/10/2023 12:48:20 AM	78012
Xylenes, Total	ND	0.093		mg/Kg	1	10/10/2023 12:48:20 AM	78012
Surr: 4-Bromofluorobenzene	193	39.1-146	S	%Rec	1	10/10/2023 12:48:20 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-019 **Matrix:** SOIL

Client Sample ID: BH23-10 0ft
Collection Date: 10/4/2023 10:30:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 4:57:44 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/9/2023 1:41:41 PM	78017
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/9/2023 1:41:41 PM	78017
Surr: DNOP	90.1	69-147		%Rec	1	10/9/2023 1:41:41 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 12:59:53 AM	78012
Surr: BFB	91.3	15-244		%Rec	1	10/11/2023 12:59:53 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	10/10/2023 1:11:57 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/10/2023 1:11:57 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/10/2023 1:11:57 AM	78012
Xylenes, Total	ND	0.093		mg/Kg	1	10/10/2023 1:11:57 AM	78012
Surr: 4-Bromofluorobenzene	200	39.1-146	S	%Rec	1	10/10/2023 1:11:57 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Project: Dayton
Lab ID: 2310321-020 **Matrix:** SOIL

Client Sample ID: BH23-10 2ft
Collection Date: 10/4/2023 10:35:00 AM
Received Date: 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 5:10:09 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/9/2023 1:52:34 PM	78017
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/9/2023 1:52:34 PM	78017
Surr: DNOP	95.1	69-147		%Rec	1	10/9/2023 1:52:34 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2023 1:23:29 AM	78012
Surr: BFB	94.4	15-244		%Rec	1	10/11/2023 1:23:29 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 1:23:29 AM	78012
Toluene	ND	0.048		mg/Kg	1	10/11/2023 1:23:29 AM	78012
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2023 1:23:29 AM	78012
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2023 1:23:29 AM	78012
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/11/2023 1:23:29 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-11 0ft
Project: Dayton
Collection Date: 10/4/2023 10:40:00 AM
Lab ID: 2310321-021 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	100	60		mg/Kg	20	10/12/2023 6:37:02 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 2:03:28 PM	78017
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 2:03:28 PM	78017
Surr: DNOP	96.4	69-147		%Rec	1	10/9/2023 2:03:28 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2023 1:47:06 AM	78012
Surr: BFB	94.4	15-244		%Rec	1	10/11/2023 1:47:06 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 1:47:06 AM	78012
Toluene	ND	0.048		mg/Kg	1	10/11/2023 1:47:06 AM	78012
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2023 1:47:06 AM	78012
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2023 1:47:06 AM	78012
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/11/2023 1:47:06 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-11 2ft
Project: Dayton
Collection Date: 10/4/2023 10:45:00 AM
Lab ID: 2310321-022 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 6:49:27 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 2:14:21 PM	78017
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 2:14:21 PM	78017
Surr: DNOP	90.5	69-147		%Rec	1	10/9/2023 2:14:21 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 2:10:45 AM	78012
Surr: BFB	92.6	15-244		%Rec	1	10/11/2023 2:10:45 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	10/11/2023 2:10:45 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/11/2023 2:10:45 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2023 2:10:45 AM	78012
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2023 2:10:45 AM	78012
Surr: 4-Bromofluorobenzene	98.4	39.1-146		%Rec	1	10/11/2023 2:10:45 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-12 0ft
Project: Dayton
Collection Date: 10/4/2023 10:50:00 AM
Lab ID: 2310321-023 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 7:01:51 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 2:25:16 PM	78017
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 2:25:16 PM	78017
Surr: DNOP	121	69-147		%Rec	1	10/9/2023 2:25:16 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 2:34:22 AM	78012
Surr: BFB	92.7	15-244		%Rec	1	10/11/2023 2:34:22 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 2:34:22 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/11/2023 2:34:22 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2023 2:34:22 AM	78012
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2023 2:34:22 AM	78012
Surr: 4-Bromofluorobenzene	97.2	39.1-146		%Rec	1	10/11/2023 2:34:22 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-12 2ft
Project: Dayton
Collection Date: 10/4/2023 10:55:00 AM
Lab ID: 2310321-024 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 7:14:16 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	10/9/2023 2:36:08 PM	78017
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	10/9/2023 2:36:08 PM	78017
Surr: DNOP	85.2	69-147		%Rec	1	10/9/2023 2:36:08 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 2:57:53 AM	78012
Surr: BFB	91.8	15-244		%Rec	1	10/11/2023 2:57:53 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 2:57:53 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/11/2023 2:57:53 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2023 2:57:53 AM	78012
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2023 2:57:53 AM	78012
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	10/11/2023 2:57:53 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-13 0ft
Project: Dayton
Collection Date: 10/4/2023 11:00:00 AM
Lab ID: 2310321-025 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 7:26:40 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/9/2023 2:57:42 PM	78017
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/9/2023 2:57:42 PM	78017
Surr: DNOP	93.6	69-147		%Rec	1	10/9/2023 2:57:42 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2023 3:44:57 AM	78012
Surr: BFB	94.4	15-244		%Rec	1	10/11/2023 3:44:57 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 3:44:57 AM	78012
Toluene	ND	0.047		mg/Kg	1	10/11/2023 3:44:57 AM	78012
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2023 3:44:57 AM	78012
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2023 3:44:57 AM	78012
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/11/2023 3:44:57 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

CLIENT: EOG
Client Sample ID: BH23-13 2ft
Project: Dayton
Collection Date: 10/4/2023 11:05:00 AM
Lab ID: 2310321-026 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	85	59		mg/Kg	20	10/12/2023 7:39:05 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/9/2023 3:08:33 PM	78017
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/9/2023 3:08:33 PM	78017
Surr: DNOP	104	69-147		%Rec	1	10/9/2023 3:08:33 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2023 4:08:34 AM	78012
Surr: BFB	93.0	15-244		%Rec	1	10/11/2023 4:08:34 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 4:08:34 AM	78012
Toluene	ND	0.049		mg/Kg	1	10/11/2023 4:08:34 AM	78012
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2023 4:08:34 AM	78012
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2023 4:08:34 AM	78012
Surr: 4-Bromofluorobenzene	98.3	39.1-146		%Rec	1	10/11/2023 4:08:34 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-14 0ft
Project: Dayton
Collection Date: 10/4/2023 11:10:00 AM
Lab ID: 2310321-027 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	320	60		mg/Kg	20	10/12/2023 8:16:19 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/9/2023 3:19:23 PM	78017
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/9/2023 3:19:23 PM	78017
Surr: DNOP	83.3	69-147		%Rec	1	10/9/2023 3:19:23 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2023 4:31:55 AM	78012
Surr: BFB	96.9	15-244		%Rec	1	10/11/2023 4:31:55 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	10/11/2023 4:31:55 AM	78012
Toluene	ND	0.050		mg/Kg	1	10/11/2023 4:31:55 AM	78012
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2023 4:31:55 AM	78012
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2023 4:31:55 AM	78012
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/11/2023 4:31:55 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310321**
Date Reported: **10/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: BH23-14 2ft
Project: Dayton
Collection Date: 10/4/2023 11:15:00 AM
Lab ID: 2310321-028 **Matrix:** SOIL **Received Date:** 10/6/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	10/12/2023 8:28:43 PM	78137
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/9/2023 3:30:13 PM	78017
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/9/2023 3:30:13 PM	78017
Surr: DNOP	75.4	69-147		%Rec	1	10/9/2023 3:30:13 PM	78017
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2023 4:55:29 AM	78012
Surr: BFB	95.5	15-244		%Rec	1	10/11/2023 4:55:29 AM	78012
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/11/2023 4:55:29 AM	78012
Toluene	ND	0.048		mg/Kg	1	10/11/2023 4:55:29 AM	78012
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2023 4:55:29 AM	78012
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2023 4:55:29 AM	78012
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/11/2023 4:55:29 AM	78012

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310321**

18-Oct-23

Client: EOG

Project: Dayton

Sample ID: **MB-78041**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78041**	RunNo: **100325**
Prep Date: **10/9/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674585** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78041**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78041**	RunNo: **100325**
Prep Date: **10/9/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674586** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Sample ID: **MB-78097**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78097**	RunNo: **100387**
Prep Date: **10/11/2023**	Analysis Date: **10/11/2023**	SeqNo: **3677849** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78097**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78097**	RunNo: **100387**
Prep Date: **10/11/2023**	Analysis Date: **10/11/2023**	SeqNo: **3677850** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.4	90	110			

Sample ID: **MB-78137**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78137**	RunNo: **100424**
Prep Date: **10/12/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78137**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78137**	RunNo: **100424**
Prep Date: **10/12/2023**	Analysis Date: **10/12/2023**	SeqNo: **3679788** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310321**

18-Oct-23

Client: EOG

Project: Dayton

Sample ID: **LCS-78017**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78017**	RunNo: **100317**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3673667** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	112	61.9	130			
Surr: DNOP	5.5		5.000		109	69	147			

Sample ID: **MB-78017**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78017**	RunNo: **100317**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3673669** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		107	69	147			

Sample ID: **MB-78013**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78013**	RunNo: **100341**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3675677** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	69	147			

Sample ID: **LCS-78013**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78013**	RunNo: **100341**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3675678** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	116	61.9	130			
Surr: DNOP	4.9		5.000		98.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310321**

18-Oct-23

Client: EOG

Project: Dayton

Sample ID: **lcs-78004**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78004**	RunNo: **100314**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674525** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	70	130			
Surr: BFB	2200		1000		223	15	244			

Sample ID: **mb-78004**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78004**	RunNo: **100314**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674526** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.8	15	244			

Sample ID: **lcs-78012**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78012**	RunNo: **100311**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674676** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.7	70	130			
Surr: BFB	2500		1000		251	15	244			S

Sample ID: **mb-78012**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78012**	RunNo: **100311**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674677** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1500		1000		147	15	244			

Sample ID: **lcs-78036**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78036**	RunNo: **100364**
Prep Date: **10/9/2023**	Analysis Date: **10/10/2023**	SeqNo: **3675845** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		194	15	244			

Sample ID: **mb-78036**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78036**	RunNo: **100364**
Prep Date: **10/9/2023**	Analysis Date: **10/10/2023**	SeqNo: **3675846** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.5	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310321**

18-Oct-23

Client: EOG

Project: Dayton

Sample ID: **lcs-78004**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78004**	RunNo: **100314**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674389** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.5	70	130			
Toluene	0.90	0.050	1.000	0	89.7	70	130			
Ethylbenzene	0.92	0.050	1.000	0	91.8	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.5	70	130			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.1	39.1	146			

Sample ID: **mb-78004**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78004**	RunNo: **100314**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674390** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.5	39.1	146			

Sample ID: **LCS-78012**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78012**	RunNo: **100311**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674833** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	101	70	130			
Xylenes, Total	3.1	0.10	3.000	0	103	70	130			
Surr: 4-Bromofluorobenzene	1.6		1.000		159	39.1	146			S

Sample ID: **mb-78012**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78012**	RunNo: **100311**
Prep Date: **10/6/2023**	Analysis Date: **10/9/2023**	SeqNo: **3674835** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.6		1.000		158	39.1	146			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310321**

18-Oct-23

Client: EOG

Project: Dayton

Sample ID: **LCS-78036**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78036**	RunNo: **100364**
Prep Date: **10/9/2023**	Analysis Date: **10/10/2023**	SeqNo: **3675894** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	39.1	146			

Sample ID: **mb-78036**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78036**	RunNo: **100364**
Prep Date: **10/9/2023**	Analysis Date: **10/10/2023**	SeqNo: **3675895** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG | Work Order Number: 2310321 | RcptNo: 1

Received By: Juan Rojas 10/6/2023 7:35:00 AM

Completed By: Cheyenne Cason 10/6/2023 8:20:22 AM

Reviewed By: SCM 10/6/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Client		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: YN 10/6/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Not Present	Yogi		

Chain-of-Custody Record

Client: Silverback Ranger Environmental

Mailing Address: Onfile

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 DAY

Project Name: Dayton to Dagger Layflat

Dayton

Project #: [redacted] 6684

Project Manager: Will Kierdorf

Sampler: Fernando Rodriguez

On Ice: ☑ Yes ☐ No

# of Coolers: 1 409

Cooler Temp(including CF): 0.4+0.1=0.5

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www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310321	BTEX MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/04/23	9:00	Soil	BH23-01 0ft	1, 4oz jar	Ice	001	X	X					X			
10/04/23	9:05	Soil	BH23-01 2ft	1, 4oz jar	Ice	002	X	X					X			
10/04/23	9:10	Soil	BH23-02 0ft	1, 4oz jar	Ice	003	X	X					X			
10/04/23	9:15	Soil	BH23-02 2ft	1, 4oz jar	Ice	004	X	X					X			
10/04/23	9:20	Soil	BH23-03 0ft	1, 4oz jar	Ice	005	X	X					X			
10/04/23	9:25	Soil	BH23-03 2ft	1, 4oz jar	Ice	006	X	X					X			
10/04/23	9:30	Soil	BH23-04 0ft	1, 4oz jar	Ice	007	X	X					X			
10/04/23	9:35	Soil	BH23-04 2ft	1, 4oz jar	Ice	008	X	X					X			
10/04/23	9:40	Soil	BH23-05 0ft	1, 4oz jar	Ice	009	X	X					X			
10/04/23	9:45	Soil	BH23-05 2ft	1, 4oz jar	Ice	010	X	X					X			
10/04/23	9:50	Soil	BH23-06 0ft	1, 4oz jar	Ice	011	X	X					X			
10/04/23	9:55	Soil	BH23-06 2ft	1, 4oz jar	Ice	012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/4	18:00				10/5/23	1330
10/5/23	840		Courier		10/6/23	7:35

Remarks:
CC: Will Kierdorf & Fernando Rodriguez
Direct bill to Silverback

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain of Custody Record

Client: Silverback Ranger Environmental

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 Day

Project Name: Dayton to Dagger Layflat

Project #: 66844

Project Manager: Will Kierdorf

Sampler: Fernando Rodriguez

On Ice: ☑ Yes ☐ No

# of Coolers: 1 4 oz

Cooler Temp(including CF): 0.4+0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310321	(BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/04/23	10:00	Soil	BH23-07 0ft	1, 4oz jar	Ice	013	X	X					X			
10/04/23	10:05	Soil	BH23-07 2ft	1, 4oz jar	Ice	014	X	X					X			
10/04/23	10:10	Soil	BH23-08 0ft	1, 4oz jar	Ice	015	X	X					X			
10/04/23	10:15	Soil	BH23-08 2ft	1, 4oz jar	Ice	016	X	X					X			
10/04/23	10:20	Soil	BH23-09 0ft	1, 4oz jar	Ice	017	X	X					X			
10/04/23	10:25	Soil	BH23-09 2ft	1, 4oz jar	Ice	018	X	X					X			
10/04/23	10:30	Soil	BH23-10 0ft	1, 4oz jar	Ice	019	X	X					X			
10/04/23	10:35	Soil	BH23-10 2ft	1, 4oz jar	Ice	020	X	X					X			
10/04/23	10:40	Soil	BH23-11 0ft	1, 4oz jar	Ice	021	X	X					X			
10/04/23	10:45	Soil	BH23-11 2ft	1, 4oz jar	Ice	022	X	X					X			
10/04/23	10:50	Soil	BH23-12 0ft	1, 4oz jar	Ice	023	X	X					X			
10/04/23	10:55	Soil	BH23-12 2ft	1, 4oz jar	Ice	024	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/4	18:00				10/5/23	1330
10/5/23	1900			Courier	10/6/23	7:35

Remarks: CC: Will Kierdorf & Fernando Rodriguez

Direct bill to Silverback

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Silverback Ranger Environmental

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5 Day

Project Name: Dayton to Dagger Layflat

Dayton

Project #:
6684

Project Manager:
Will Kiardorf

Sampler: Fernando Rodriguez
On Ice: ☒ Yes ☐ No
# of Coolers: 1 Yogi
Cooler Temp(including CF): 0.4+0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
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Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310321	(BTEX) / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
Analysis Request																
10/04/23	11:00	Soil	BH23-13 0ft	1, 4oz jar	Ice	025	X	X					X			
10/04/23	11:05	Soil	BH23-13 2ft	1, 4oz jar	Ice	026	X	X					X			
10/04/23	11:10	Soil	BH23-14 0ft	1, 4oz jar	Ice	027	X	X					X			
10/04/23	11:15	Soil	BH23-14 2ft	1, 4oz jar	Ice	028	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/4	18:00				10/5/23	1330
10/5/23	1900			courier	10/6/23	7:35

Remarks:
CC: Will Kiardorf & Fernando Rodriguez
Direct bill to Silverback

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 26, 2023

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Dayton to Dagger Layflat OrderNo.: 2310382

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 16 sample(s) on 10/7/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

CLIENT: EOG
Client Sample ID: TP23-01 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:00:00 AM
Lab ID: 2310382-001 **Matrix:** SOIL
Received Date: 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	13000	600		mg/Kg	200	10/16/2023 1:28:37 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/11/2023 8:27:10 PM	78094
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/11/2023 8:27:10 PM	78094
Surr: DNOP	97.0	69-147		%Rec	1	10/11/2023 8:27:10 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/12/2023 3:29:12 PM	78084
Surr: BFB	94.5	15-244		%Rec	1	10/12/2023 3:29:12 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/12/2023 3:29:12 PM	78084
Toluene	ND	0.047		mg/Kg	1	10/12/2023 3:29:12 PM	78084
Ethylbenzene	ND	0.047		mg/Kg	1	10/12/2023 3:29:12 PM	78084
Xylenes, Total	ND	0.095		mg/Kg	1	10/12/2023 3:29:12 PM	78084
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/12/2023 3:29:12 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-01 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:05:00 AM
Lab ID: 2310382-002 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	1100	60		mg/Kg	20	10/13/2023 4:45:55 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/11/2023 8:38:09 PM	78094
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2023 8:38:09 PM	78094
Surr: DNOP	178	69-147	S	%Rec	1	10/11/2023 8:38:09 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2023 3:52:36 PM	78084
Surr: BFB	103	15-244		%Rec	1	10/12/2023 3:52:36 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	10/12/2023 3:52:36 PM	78084
Toluene	ND	0.049		mg/Kg	1	10/12/2023 3:52:36 PM	78084
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2023 3:52:36 PM	78084
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2023 3:52:36 PM	78084
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/12/2023 3:52:36 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-02 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:10:00 AM
Lab ID: 2310382-003 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	15000	600		mg/Kg	200	10/16/2023 1:41:01 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/11/2023 8:49:09 PM	78094
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2023 8:49:09 PM	78094
Surr: DNOP	97.4	69-147		%Rec	1	10/11/2023 8:49:09 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2023 4:15:59 PM	78084
Surr: BFB	97.8	15-244		%Rec	1	10/12/2023 4:15:59 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/12/2023 4:15:59 PM	78084
Toluene	ND	0.049		mg/Kg	1	10/12/2023 4:15:59 PM	78084
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2023 4:15:59 PM	78084
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2023 4:15:59 PM	78084
Surr: 4-Bromofluorobenzene	106	39.1-146		%Rec	1	10/12/2023 4:15:59 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-02 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:15:00 AM
Lab ID: 2310382-004 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	3400	150		mg/Kg	50	10/16/2023 2:30:39 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/11/2023 9:00:06 PM	78094
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/11/2023 9:00:06 PM	78094
Surr: DNOP	101	69-147		%Rec	1	10/11/2023 9:00:06 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/12/2023 4:39:40 PM	78084
Surr: BFB	94.2	15-244		%Rec	1	10/12/2023 4:39:40 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	10/12/2023 4:39:40 PM	78084
Toluene	ND	0.046		mg/Kg	1	10/12/2023 4:39:40 PM	78084
Ethylbenzene	ND	0.046		mg/Kg	1	10/12/2023 4:39:40 PM	78084
Xylenes, Total	ND	0.093		mg/Kg	1	10/12/2023 4:39:40 PM	78084
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/12/2023 4:39:40 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-03 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:20:00 AM
Lab ID: 2310382-005 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	16000	600		mg/Kg	200	10/16/2023 1:53:26 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/11/2023 9:11:04 PM	78094
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2023 9:11:04 PM	78094
Surr: DNOP	101	69-147		%Rec	1	10/11/2023 9:11:04 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2023 5:03:16 PM	78084
Surr: BFB	93.2	15-244		%Rec	1	10/12/2023 5:03:16 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	10/12/2023 5:03:16 PM	78084
Toluene	ND	0.050		mg/Kg	1	10/12/2023 5:03:16 PM	78084
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2023 5:03:16 PM	78084
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2023 5:03:16 PM	78084
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/12/2023 5:03:16 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-03 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:25:00 AM
Lab ID: 2310382-006 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	2200	150		mg/Kg	50	10/16/2023 2:43:04 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/11/2023 9:22:00 PM	78094
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2023 9:22:00 PM	78094
Surr: DNOP	101	69-147		%Rec	1	10/11/2023 9:22:00 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/12/2023 5:26:40 PM	78084
Surr: BFB	93.8	15-244		%Rec	1	10/12/2023 5:26:40 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/12/2023 5:26:40 PM	78084
Toluene	ND	0.048		mg/Kg	1	10/12/2023 5:26:40 PM	78084
Ethylbenzene	ND	0.048		mg/Kg	1	10/12/2023 5:26:40 PM	78084
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2023 5:26:40 PM	78084
Surr: 4-Bromofluorobenzene	99.8	39.1-146		%Rec	1	10/12/2023 5:26:40 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-03 6ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:30:00 AM
Lab ID: 2310382-007 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	410	60		mg/Kg	20	10/13/2023 6:12:21 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/11/2023 9:32:56 PM	78094
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2023 9:32:56 PM	78094
Surr: DNOP	98.3	69-147		%Rec	1	10/11/2023 9:32:56 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2023 5:50:06 PM	78084
Surr: BFB	91.5	15-244		%Rec	1	10/12/2023 5:50:06 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	10/12/2023 5:50:06 PM	78084
Toluene	ND	0.050		mg/Kg	1	10/12/2023 5:50:06 PM	78084
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2023 5:50:06 PM	78084
Xylenes, Total	ND	0.10		mg/Kg	1	10/12/2023 5:50:06 PM	78084
Surr: 4-Bromofluorobenzene	99.4	39.1-146		%Rec	1	10/12/2023 5:50:06 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-03 8ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:35:00 AM
Lab ID: 2310382-008 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	150	60		mg/Kg	20	10/13/2023 6:49:23 PM	78149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/11/2023 9:43:52 PM	78094
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2023 9:43:52 PM	78094
Surr: DNOP	98.4	69-147		%Rec	1	10/11/2023 9:43:52 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2023 6:13:43 PM	78084
Surr: BFB	94.0	15-244		%Rec	1	10/12/2023 6:13:43 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.024		mg/Kg	1	10/12/2023 6:13:43 PM	78084
Toluene	ND	0.049		mg/Kg	1	10/12/2023 6:13:43 PM	78084
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2023 6:13:43 PM	78084
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2023 6:13:43 PM	78084
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/12/2023 6:13:43 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-04 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:40:00 AM
Lab ID: 2310382-009 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	18000	610		mg/Kg	200	10/16/2023 2:05:50 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/11/2023 9:54:49 PM	78094
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/11/2023 9:54:49 PM	78094
Surr: DNOP	99.1	69-147		%Rec	1	10/11/2023 9:54:49 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/12/2023 6:37:21 PM	78084
Surr: BFB	93.6	15-244		%Rec	1	10/12/2023 6:37:21 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.025		mg/Kg	1	10/12/2023 6:37:21 PM	78084
Toluene	ND	0.050		mg/Kg	1	10/12/2023 6:37:21 PM	78084
Ethylbenzene	ND	0.050		mg/Kg	1	10/12/2023 6:37:21 PM	78084
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2023 6:37:21 PM	78084
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/12/2023 6:37:21 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-04 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:45:00 AM
Lab ID: 2310382-010 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	1300	60		mg/Kg	20	10/13/2023 7:38:45 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/11/2023 10:05:44 PM	78094
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/11/2023 10:05:44 PM	78094
Surr: DNOP	98.3	69-147		%Rec	1	10/11/2023 10:05:44 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/12/2023 7:01:00 PM	78084
Surr: BFB	94.4	15-244		%Rec	1	10/12/2023 7:01:00 PM	78084
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	0.023		mg/Kg	1	10/12/2023 7:01:00 PM	78084
Toluene	ND	0.046		mg/Kg	1	10/12/2023 7:01:00 PM	78084
Ethylbenzene	ND	0.046		mg/Kg	1	10/12/2023 7:01:00 PM	78084
Xylenes, Total	ND	0.092		mg/Kg	1	10/12/2023 7:01:00 PM	78084
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/12/2023 7:01:00 PM	78084

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

CLIENT: EOG
Client Sample ID: TP23-05 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:50:00 AM
Lab ID: 2310382-011 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	22000	1500		mg/Kg	500	10/16/2023 3:20:18 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/11/2023 10:27:29 PM	78094
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/11/2023 10:27:29 PM	78094
Surr: DNOP	98.4	69-147		%Rec	1	10/11/2023 10:27:29 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/12/2023 10:47:00 PM	78086
Surr: BFB	94.8	15-244		%Rec	1	10/12/2023 10:47:00 PM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.025		mg/Kg	1	10/12/2023 10:47:00 PM	78086
Toluene	ND	0.049		mg/Kg	1	10/12/2023 10:47:00 PM	78086
Ethylbenzene	ND	0.049		mg/Kg	1	10/12/2023 10:47:00 PM	78086
Xylenes, Total	ND	0.099		mg/Kg	1	10/12/2023 10:47:00 PM	78086
Surr: 4-Bromofluorobenzene	86.7	39.1-146		%Rec	1	10/12/2023 10:47:00 PM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-05 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 10:55:00 AM
Lab ID: 2310382-012 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	4100	150		mg/Kg	50	10/16/2023 2:55:29 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/11/2023 10:38:23 PM	78094
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/11/2023 10:38:23 PM	78094
Surr: DNOP	95.0	69-147		%Rec	1	10/11/2023 10:38:23 PM	78094
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/12/2023 11:52:00 PM	78086
Surr: BFB	96.2	15-244		%Rec	1	10/12/2023 11:52:00 PM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/12/2023 11:52:00 PM	78086
Toluene	ND	0.048		mg/Kg	1	10/12/2023 11:52:00 PM	78086
Ethylbenzene	ND	0.048		mg/Kg	1	10/12/2023 11:52:00 PM	78086
Xylenes, Total	ND	0.097		mg/Kg	1	10/12/2023 11:52:00 PM	78086
Surr: 4-Bromofluorobenzene	86.7	39.1-146		%Rec	1	10/12/2023 11:52:00 PM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-06 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 11:00:00 AM
Lab ID: 2310382-013 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	15000	600		mg/Kg	200	10/16/2023 2:18:15 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/12/2023 2:24:03 PM	78099
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2023 2:24:03 PM	78099
Surr: DNOP	90.6	69-147		%Rec	1	10/12/2023 2:24:03 PM	78099
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/13/2023 12:58:00 AM	78086
Surr: BFB	97.9	15-244		%Rec	1	10/13/2023 12:58:00 AM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.025		mg/Kg	1	10/13/2023 12:58:00 AM	78086
Toluene	ND	0.049		mg/Kg	1	10/13/2023 12:58:00 AM	78086
Ethylbenzene	ND	0.049		mg/Kg	1	10/13/2023 12:58:00 AM	78086
Xylenes, Total	ND	0.099		mg/Kg	1	10/13/2023 12:58:00 AM	78086
Surr: 4-Bromofluorobenzene	85.5	39.1-146		%Rec	1	10/13/2023 12:58:00 AM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-06 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 11:05:00 AM
Lab ID: 2310382-014 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	2100	60		mg/Kg	20	10/13/2023 9:17:30 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/12/2023 2:34:43 PM	78099
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2023 2:34:43 PM	78099
Surr: DNOP	98.7	69-147		%Rec	1	10/12/2023 2:34:43 PM	78099
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 1:19:00 AM	78086
Surr: BFB	93.5	15-244		%Rec	1	10/13/2023 1:19:00 AM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/13/2023 1:19:00 AM	78086
Toluene	ND	0.048		mg/Kg	1	10/13/2023 1:19:00 AM	78086
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 1:19:00 AM	78086
Xylenes, Total	ND	0.095		mg/Kg	1	10/13/2023 1:19:00 AM	78086
Surr: 4-Bromofluorobenzene	85.9	39.1-146		%Rec	1	10/13/2023 1:19:00 AM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-07 0ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 11:10:00 AM
Lab ID: 2310382-015 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	14000	590		mg/Kg	200	10/16/2023 3:57:32 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/12/2023 2:45:28 PM	78099
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2023 2:45:28 PM	78099
Surr: DNOP	94.3	69-147		%Rec	1	10/12/2023 2:45:28 PM	78099
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/13/2023 1:41:00 AM	78086
Surr: BFB	97.3	15-244		%Rec	1	10/13/2023 1:41:00 AM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/13/2023 1:41:00 AM	78086
Toluene	ND	0.047		mg/Kg	1	10/13/2023 1:41:00 AM	78086
Ethylbenzene	ND	0.047		mg/Kg	1	10/13/2023 1:41:00 AM	78086
Xylenes, Total	ND	0.095		mg/Kg	1	10/13/2023 1:41:00 AM	78086
Surr: 4-Bromofluorobenzene	86.1	39.1-146		%Rec	1	10/13/2023 1:41:00 AM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2310382**
Date Reported: **10/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TP23-07 4ft
Project: Dayton to Dagger Layflat
Collection Date: 10/5/2023 11:15:00 AM
Lab ID: 2310382-016 **Matrix:** SOIL **Received Date:** 10/7/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **SNS**	
Chloride	2600	150		mg/Kg	50	10/16/2023 3:07:54 PM	78144
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/12/2023 2:56:09 PM	78099
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2023 2:56:09 PM	78099
Surr: DNOP	104	69-147		%Rec	1	10/12/2023 2:56:09 PM	78099
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/13/2023 2:03:00 AM	78086
Surr: BFB	98.5	15-244		%Rec	1	10/13/2023 2:03:00 AM	78086
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.024		mg/Kg	1	10/13/2023 2:03:00 AM	78086
Toluene	ND	0.048		mg/Kg	1	10/13/2023 2:03:00 AM	78086
Ethylbenzene	ND	0.048		mg/Kg	1	10/13/2023 2:03:00 AM	78086
Xylenes, Total	ND	0.096		mg/Kg	1	10/13/2023 2:03:00 AM	78086
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	10/13/2023 2:03:00 AM	78086

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310382**

26-Oct-23

Client: EOG

Project: Dayton to Dagger Layflat

Sample ID:	**MB-78144**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**78144**	RunNo:	**100450**					
Prep Date:	**10/13/2023**	Analysis Date:	**10/13/2023**	SeqNo:	**3680464**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	**LCS-78144**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**78144**	RunNo:	**100450**					
Prep Date:	**10/13/2023**	Analysis Date:	**10/13/2023**	SeqNo:	**3680465**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID:	**MB-78149**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**78149**	RunNo:	**100450**					
Prep Date:	**10/13/2023**	Analysis Date:	**10/13/2023**	SeqNo:	**3680466**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID:	**LCS-78149**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**78149**	RunNo:	**100450**					
Prep Date:	**10/13/2023**	Analysis Date:	**10/13/2023**	SeqNo:	**3680467**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310382**

26-Oct-23

Client: EOG

Project: Dayton to Dagger Layflat

Sample ID: **LCS-78094**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78094**	RunNo: **100384**
Prep Date: **10/11/2023**	Analysis Date: **10/11/2023**	SeqNo: **3677536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	61.9	130			
Surr: DNOP	4.8		5.000		95.3	69	147			

Sample ID: **MB-78094**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78094**	RunNo: **100384**
Prep Date: **10/11/2023**	Analysis Date: **10/11/2023**	SeqNo: **3677562** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.3	69	147			

Sample ID: **LCS-78099**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78099**	RunNo: **100412**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678217** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	10	50.00	0	126	61.9	130			
Surr: DNOP	6.7		5.000		134	69	147			

Sample ID: **MB-78099**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78099**	RunNo: **100412**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678220** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310382**

26-Oct-23

Client: EOG

Project: Dayton to Dagger Layflat

Sample ID: **lcs-78084**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78084**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678103** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	70	130			
Surr: BFB	2000		1000		204	15	244			

Sample ID: **mb-78084**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78084**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678104** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.4	15	244			

Sample ID: **lcs-78086**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78086**	RunNo: **100432**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678787** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.9	70	130			
Surr: BFB	2100		1000		212	15	244			

Sample ID: **mb-78086**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78086**	RunNo: **100432**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678788** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.4	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2310382**

26-Oct-23

Client: EOG

Project: Dayton to Dagger Layflat

Sample ID: **LCS-78084**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78084**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678108** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.5	70	130			
Toluene	0.96	0.050	1.000	0	96.0	70	130			
Ethylbenzene	0.98	0.050	1.000	0	97.5	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.8	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Sample ID: **mb-78084**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78084**	RunNo: **100410**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678109** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	39.1	146			

Sample ID: **lcs-78086**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78086**	RunNo: **100432**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678735** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.0	70	130			
Toluene	0.86	0.050	1.000	0	86.2	70	130			
Ethylbenzene	0.90	0.050	1.000	0	89.6	70	130			
Xylenes, Total	2.7	0.10	3.000	0	89.0	70	130			
Surr: 4-Bromofluorobenzene	0.88		1.000		87.8	39.1	146			

Sample ID: **mb-78086**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78086**	RunNo: **100432**
Prep Date: **10/11/2023**	Analysis Date: **10/12/2023**	SeqNo: **3678736** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG | Work Order Number: 2310382 | RcptNo: 1

Received By: Juan Rojas 10/7/2023 7:30:00 AM

Completed By: Juan Rojas 10/7/23

Reviewed By: 10/07/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 10/7/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

Client missing mailing address, phone number, and email address on COC, JR 10/7/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good	No	Yogi		

Chain of Custody Record

Client: Silverback

Ranger Environmental

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☑ Rush 5 Days

Project Name: Dayton to Dagger Layflat

Project #: 6684

Project Manager: Will Kierdorf

Sampler: Fernando Rodriguez

On Ice: ☑ Yes ☐ No

# of Coolers: 1 4oz

Cooler Temp(including CF): 0.4-0.1=0.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310382	Analysis Request: BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/05/23	10:00	Soil	TP23-01 0ft	1, 4oz jar	Ice	-001	X	X					X			
10/05/23	10:05	Soil	TP23-01 4ft	1, 4oz jar	Ice	-002	X	X					X			
10/05/23	10:10	Soil	TP23-02 0ft	1, 4oz jar	Ice	-003	X	X					X			
10/05/23	10:15	Soil	TP23-02 4ft	1, 4oz jar	Ice	-004	X	X					X			
10/05/23	10:20	Soil	TP23-03 0ft	1, 4oz jar	Ice	-005	X	X					X			
10/05/23	10:25	Soil	TP23-03 4ft	1, 4oz jar	Ice	-006	X	X					X			
10/05/23	10:30	Soil	TP23-03 6ft	1, 4oz jar	Ice	-007	X	X					X			
10/05/23	10:35	Soil	TP23-03 8ft	1, 4oz jar	Ice	-008	X	X					X			
10/05/23	10:40	Soil	TP23-04 0ft	1, 4oz jar	Ice	-009	X	X					X			
10/05/23	10:45	Soil	TP23-04 4ft	1, 4oz jar	Ice	-010	X	X					X			
10/05/23	10:50	Soil	TP23-05 0ft	1, 4oz jar	Ice	-011	X	X					X			
10/05/23	10:55	Soil	TP23-05 4ft	1, 4oz jar	Ice	-012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/5	18:00				10/6/23	900
10/6/23	1440				10/7/23	7:30

Remarks:

cc: Will Kierdorf & Fernando Rodriguez

Direct bill to Silverback

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain of Custody Record

Client: Silverback

Longer Environmental

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☒ Rush 5 Day

Project Name: Dayton to Dagger Layflat

Project #: 6684

Project Manager: Will Kierdorf

Sampler: Fernando Rodriguez

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Yoni

Cooler Temp(including CF): 0.4-0.1=0.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2310382	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/05/23	11:00	Soil	TP23-06 0ft	1, 4oz jar	Ice	-013	X	X					X			
10/05/23	11:05	Soil	TP23-06 4ft	1, 4oz jar	Ice	-014	X	X					X			
10/05/23	11:10	Soil	TP23-07 0ft	1, 4oz jar	Ice	-015	X	X					X			
10/05/23	11:15	Soil	TP23-07 4ft	1, 4oz jar	Ice	-016	X	X					X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/5	18:00				10/6/23	900
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/6/23	1900		courier		10/7/23	7:30

Remarks:

CC: Will Kierdorf & Fernando Rodriguez

Direct bill to Silverback

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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

COMMENTS

Action 289800

COMMENTS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 289800
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
csmith	Returned to OCD Review, Initial Review only reviewed Initial C-141 and not the Remediation Plan.	1/30/2024

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

CONDITIONS

Action 289800

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 289800
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	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.	1/31/2024