

Incident ID	nRM2033835509
District RP	
Facility ID	
Application ID	

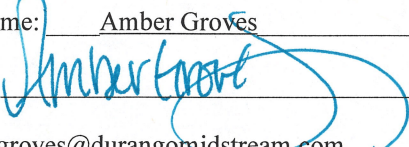
Closure

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

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

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


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

Printed Name: Amber Groves Title: Sr. Environmental Specialist
Signature:  Date: 9/27/2022
email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 01/20/2023

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

Closure Approved by:  Date: 01/24/2023
Printed Name: Jocelyn Harimon Title: Environmental Specialist

Adams, Mike H

From: Amber Groves <AGroves@durangomidstream.com>
Sent: Thursday, January 19, 2023 3:11 PM
To: Adams, Mike H; Loyd, Erin; Guesnier, Joseph R; Casey, Travis
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 147269

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, December 19, 2022 10:23 AM
To: Amber Groves <AGroves@durangomidstream.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 147269

To whom it may concern (c/o Amber Groves for FRONTIER FIELD SERVICES, LLC),

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nRM2033835509, for the following reasons:

- When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.
- If you feel the depth to groundwater is >50', a shallow borehole can be drilled to 55' allowing for verification of the depth. If water is not visible after reaching bottom-hole and waiting 72 hours, sample points would be allowed for deferral. We would just need a copy of the driller's log.
- Please resubmit a scaled site map diagram with all sample points clearly marked showing that the release has been fully delineated and remediated to the appropriate closure standards.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 147269. Please review and make the required correction(s) prior to resubmitting.

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

Thank you,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@emnrd.nm.gov

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

Frontier Field Services
Richard Knob 6-Inch Leak
32.793543°, -104.575198°
NMOCD Reference # nRM2033835509
Terracon Project # KH227001



Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Release Investigation and Reportable Closure Documentation
Richard Knob 6 Inch Leak
NMOCD Incident ID nRM2033835509
Unit G, Section 34, Township 17 South, Range 24 East
32.793543°, -104.575198°
Eddy County, New Mexico
Terracon Project No. KH227001

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is pleased to submit our Release Investigation and Closure Documentation summary for the above referenced site. The Release Investigation and Closure Documentation summary were developed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning clean-up actions required for releases of crude oil and produced water. Based on the release investigation assessment, Terracon recommends the following actions be taken to achieve protection of fresh water and the environment in accordance with NMOCD regulations.

On December 19, 2022, OCD rejected Frontier Field Services Application for administrative approval of a release notification and corrective action (C-141) for incident ID: nRM2033835509. This revised document is intended to replace the previous report submitted for this incident ID. Specifically, the Remediation Levels have been adjusted to meet closure criteria for ground water at a depth of 50 feet or less.

Action Items

Anticipated Actions

-
- 1) NMOCD grants no further action status of this incident number.
-

Completed Actions

-
- 1) Collect soil samples to establish NMOCD criteria have been met.
 - 2) Excavation, transportation and disposal of impacted soils (349.32 tons) at Lea Land disposal facility.
 - 3) Backfill and reclaim excavation area.
 - 4) Address comments from OCD in an email dated December 19, 2022 regarding the depth to water at the site and closure criteria.
-


Frontier Field Services
Richard Knob 6 Inch Leak
32.793543°, -104.575198°
NMOCD Reference # nRM2033835509



Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Joseph Guesnier
Senior Staff Scientist
Lubbock



Erin Loyd, P.G. (TX)
Principal
Office Manager – Lubbock

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Frontier Field Services
Richard Knob 6-inch Leak
32.793543°, -104.575198°

NMOCD Reference # nRM2033835509



Incident Information

The following table provides detailed information regarding the November 19, 2020 natural gas release at the Richard Knob 6-inch Leak site in Eddy County, New Mexico:

Required Information	Site and Release information	
Responsible party	The facility was operated by Lucid Artesia Company (OGRID 147831) at the time of the release.	
Local contact	Contact: Mr. Michael Gant	P: (314) 330-7876 E: mgrant@lucid-energy.com
NMOCD Notification	Notice of the release was provided to the NMOCD District 2 Artesia Office by Michael Gant on November 24, 2020.	
Facility description	The Richard Knob 6-inch leak site is in Eddy County, New Mexico and the surface ownership is held by the New Mexico State Land Office. It is an area located within Unit G of Section 34, Township 17 South, Range 24 East, approximately 10.2 miles southwest of Artesia, New Mexico. The site is predominantly undeveloped native pastureland.	
Time of incident	November 20, 2020, discovered at 9:00 a.m.	
Discharge event	The natural gas leak was caused by corrosion in the pipe which led to a pinhole leak forming on the bottom of the line. The Site Location is illustrated in Figure 2 of Appendix A.	
Type of discharge	The documented natural gas release occurred in open native pastureland adjacent to the Richard Knob site.	
Quantity of spilled material	Total Fluids: 0 bbls	Natural Gas: 5,086 Mcf Total Petroleum Hydrocarbons:
Site characteristics Topographic Map – (Exhibit 1 in Appendix A)	Relatively flat with drainage following the native ground surface; very gently sloping to the south.	
Immediate corrective actions	The pipeline was shut in at the time the release was discovered. A backhoe was utilized to uncover up the pipeline and expose the pinhole causing the leak.	

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General Site Characteristics	
Remedial Determining Information	Site Ranking Characteristics
Groundwater NMOSE POD Location Map – (Exhibit 4 in Appendix A)	<p><u>POD Number:</u> (RA-07252-POD1)</p> <p><u>Depth to Groundwater:</u> 290 ft. bgs</p> <p><u>Distance to Well:</u> 1.71 miles to the northeast</p> <p><u>Date Drilled:</u> December 2, 1984</p> <p><u>Groundwater Quality:</u> Groundwater quality at the site is predominately used for livestock production.</p>
Surface Water NM Wetland Map – (Exhibit 5 in Appendix A)	Lake McMillan (South-eastern Eddy County, NM), approximately 7.5 miles to the southwest.
Soil Characteristics	Soils at the site are mapped as Upton-Reagan complex soils, 0 to 9 percent slopes, well-drained, 0 to 9 inches gravelly loam, 9 to 13 inches gravelly loam, 13 to 21 inches cemented, and 21 to 60 inches very gravelly loam. Restrictive features are present at greater than 80 inches bgs resulting in the formation being categorized with a very low runoff classification.
Karst Characterization Cave Karst Public UCP Map – (Exhibit 6 in Appendix A)	Terracon evaluated data from the NMOCD Public FTP Site, Karst map designations in reference to the site location. The site appears to be within a low-level Karst risk area. Based on on-site observations within the extent of the release margins the potential for Karst formations in this specific area are of low potential.

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NMOCD Reference # nRM2033835509

Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). The NMOCD has issued the Closure Criteria for Soils Impacted by a Release, June 21, 2018, and Restoration, Reclamation, and Re-vegetation (19.15.29.13) NMAC – D (Reclamation of areas no longer in use) as guidance documents for the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities. Sections detailed below the applicability of these guidance documents to the site-specific characteristics associated with the Richard Knob 6-inch leak.

Reclamation Levels (Surface to 4 ft. bgs)

The below Reclamation Limits for chlorides, TPH (GRO+DRO+MRO), BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene are defined within New Mexico Administration Code (NMAC) Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for soils extending to 4 ft. bgs.:

Constituent	Remediation Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Remediation Levels (> 4 ft. bgs)

Based on the site-specific characteristics, the applicable NMOCD remediation levels for Total BTEX, chloride, and TPH within soils, exclusive of the Reclamation Zone (surface to 4 ft. bgs), are as follows:

Constituent	Remediation Limit
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Frontier Field Services
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NMOCD Reference # nRM2033835509

Soil Investigation Discussion

Background Data Evaluation

On November 20, 2020, Lucid Artesia Company (OGRID 147831) personnel discovered that corrosion in a pipeline resulted in a release of approximately 5,086 Mcf (1,000 cubic feet) of Natural Gas. Surface ownership is held as New Mexico State Trust land. Lucid Artesia Company (Lucid) (OGRID 147831) initiated cleanup activities for this release but transferred ownership of the asset prior to completion. This asset was subsequently acquired by Durango Midstream, LLC and this report contains information relevant to the completion of remediation activities associated with the November 20, 2020 release. This report is being submitted on behalf of Frontier Field Services, LLC (OGRID 224903) and documentation of the initial release and remediation activities were provided by Lucid Personnel.

The following field activities were performed under the direction of Lucid personnel at the site. On November 20, 2020 approximately 150 cubic yards of impacted soils were excavated and stockpiled on site (2-3 feet of depth). Site conditions warranted additional soil removal and on March 23, 2021 70 cubic yards of soil were removed and stockpiled (3-4 feet of depth). Additional excavation activities at the site were undertaken on April 12, 2021 where another 100 cubic yards of soil was also removed from the excavation area (2 -4 feet of depth). In total, 349.32 tons of impacted soil was removed from site and disposed of at Lea Land Landfill and the excavation was backfilled with clean material on July 20, 2021. Stockpiled soils were properly characterized and disposed of under an approved Form C-138 and waste manifests can be provided upon request. Figures prepared by Lucid are included in Appendix B and detail each excavation event and the sample locations during the November, March, April and June 2020 and 2021 events.

A total of 8 soil samples were collected from the excavation area during the November 23, 2020 field event (SW-1-S-C, SW-2-W-C, SW-3-W-C, SW-4-N-C, SW-5-E-C, SW-6-E-C, B-2-N-C, and B-8-S-C) and submitted to Hall Environmental Analysis Laboratory, Inc. (Hall) in Albuquerque, New Mexico for analysis of benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), total petroleum hydrocarbons (TPH), and chlorides. A summary of BTEX, TPH, and chloride concentrations of all collected soil samples under Lucid's direction are detailed in the attached Table 1 in Appendix C.

A total of 12 soil samples were collected and submitted during the March 23, 2021 excavation event and submitted to Hall for analysis of BTEX, TPH and chlorides. Samples B-9-C, B-10-C, B-11-C, B-12-C, SW-1-N-C, SW-2-W-C, SW-3-W-C, SW-4-S-C, SW-5-S-C, SW-6-E-C, SW-7-E-C, and SW-8-N-C were collected during this field event. A summary of BTEX, TPH, and chloride concentrations of all collected soil samples under Lucid's direction are detailed in the attached Table 1 in Appendix C.

A total of 12 additional soil samples were collected and submitted for laboratory analysis during the June 24, 2021 field event (documenting excavation activities performed on April 12, 2021). The purpose of this sampling event was to confirm that soil excavation activities had addressed the remaining impacts at the site for closure. Samples SW-13-N-C, SW-14-W-C, SW-15-W-C, SW-16-S-C, SW-17-S-C, SW-18-E-C, SW-

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19-E-C, SW-20-N-C, B-21-N-C, B22-S-C, B-23-S-C and B-24-N-C were collected during this field event. A summary of BTEX, TPH, and chloride concentrations of all collected soil samples under Lucid's direction are detailed in the attached Table 1 in Appendix C.

On July 20, 2022, Terracon mobilized to the site to collect confirmatory composite soil samples from the previously excavated area. Samples were collected via hand auger from a depth of approximately 0.5 to 2.5 feet bgs on each side of the pipeline. A total of 6 composite soil samples (HA-1 through HA-5 (0 – 0.5 feet), and HA-5 (2-3 feet) were collected from the excavation, placed in laboratory provided sample containers, preserved with ice, and transported under chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), total petroleum hydrocarbons (TPH), and chlorides. A summary of BTEX, TPH, and chloride. These soil samples were collected to document the work performed previously by Lucid in 2020.

Based on the review of the analytical results of the soil samples collected on July 20, 2020, the detected constituent concentrations did not exceed NMOCD Action Levels based on the criteria ranking parameters and applicability by depth. Based on this comparison, NMOCD Action Levels will continue to be utilized as the applicable RALs for the site.

Reclamation Assessment Data Evaluation

BTEX, Total BTEX, and TPH was not detected above applicable laboratory SDLs in the soil samples analyzed within Reclamation Assessment target depths, as summarized in Table 1 in Appendix C.

Chloride was detected above applicable laboratory SDLs in November 30, 2020 soil samples SW-5-E-C and SW-6-E-C and analyzed within the Reclamation Assessment target depths. The chloride concentrations ranged from 2,700 mg/kg in soil sample SW-6-E-C to 4,000 mg/kg in soil sample SW-5-E-C. After further soil excavation activities on March 24 and April 12, 2021, additional soil samples (Collected on June 24, 2021) contained detectable concentrations of chlorides at much lower levels ranging from 60 mg/kg to 170 mg/kg in sample SW-17-S-C. Of the soil samples collected on July 20, 2022 and analyzed, none contained chloride concentrations above the applicable NMOCD Reclamation Assessment Limit of 600 mg/kg, as summarized in Table 1, confirming the previous work performed by Lucid.

Release Investigation Data Summary

Based on the review of the above release investigation analytical results, the presence of petroleum hydrocarbon constituents (BTEX/TPH) were not detected at concentrations above applicable NMOCD Reclamation and/or Remediation Action Limits.

Of the soil samples analyzed, 2 soil samples exhibited chloride concentrations above the applicable NMOCD

Responsive ■ Resourceful ■ Reliable

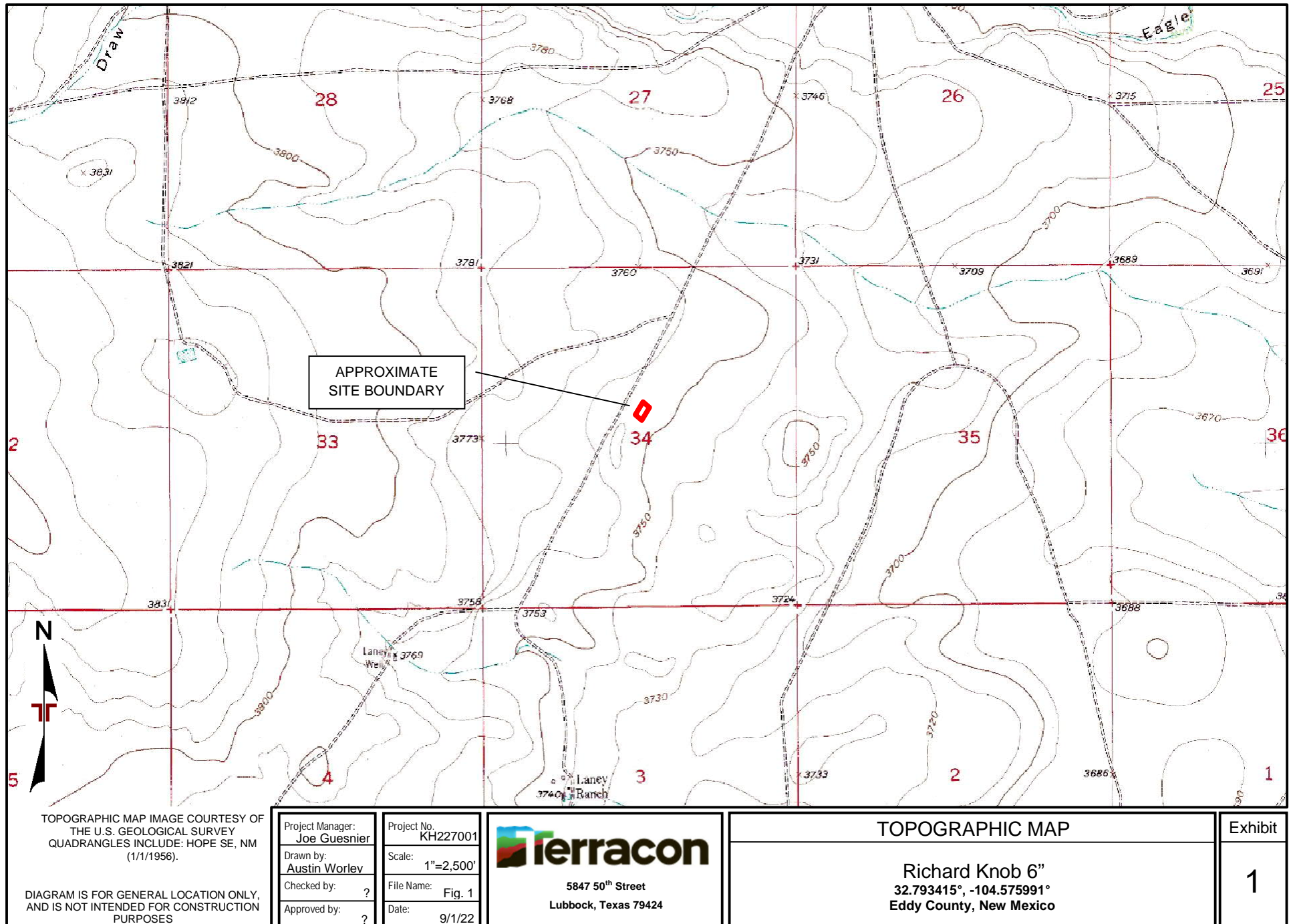
Frontier Field Services
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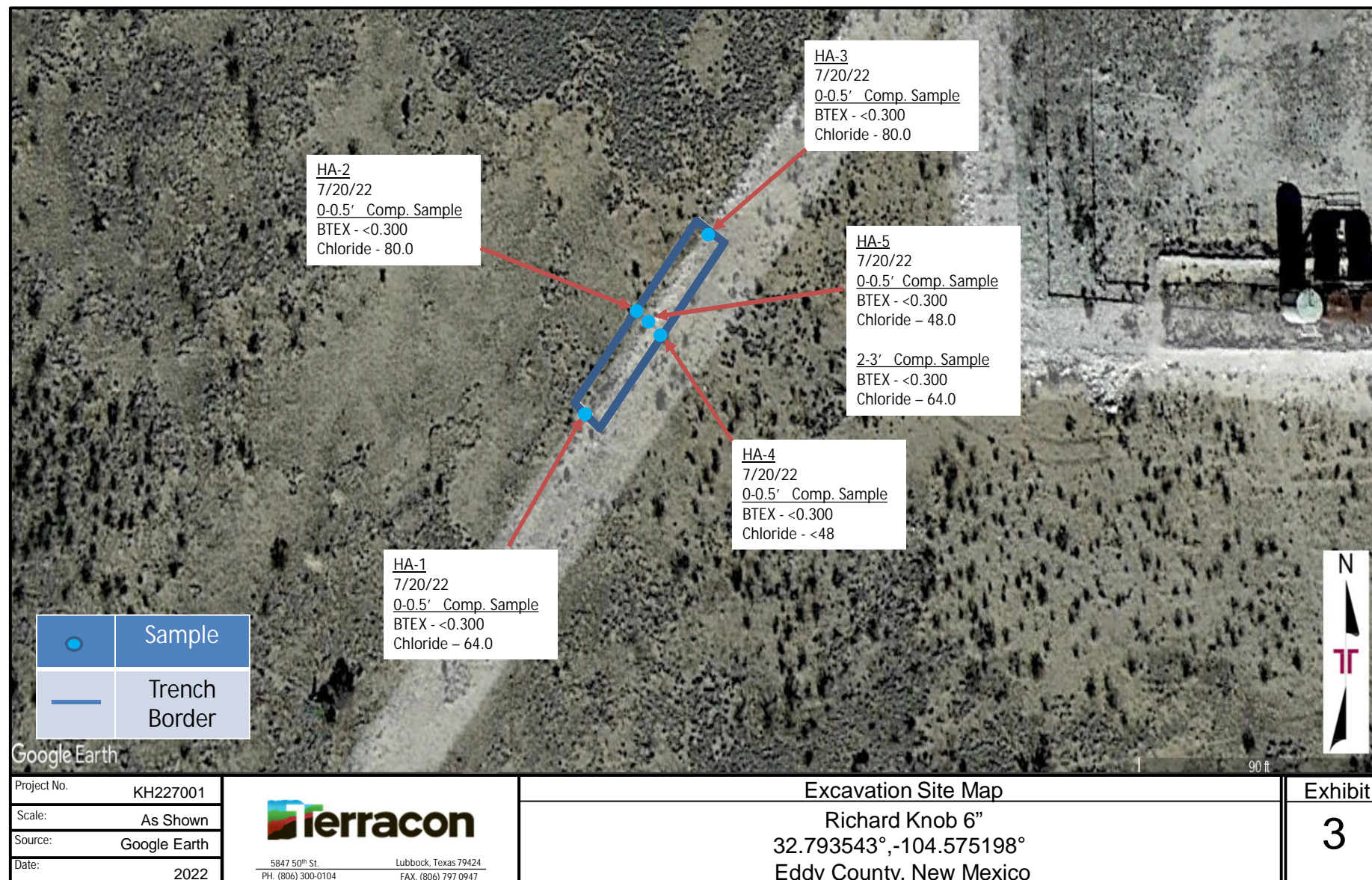
NMOCD Reference # nRM2033835509

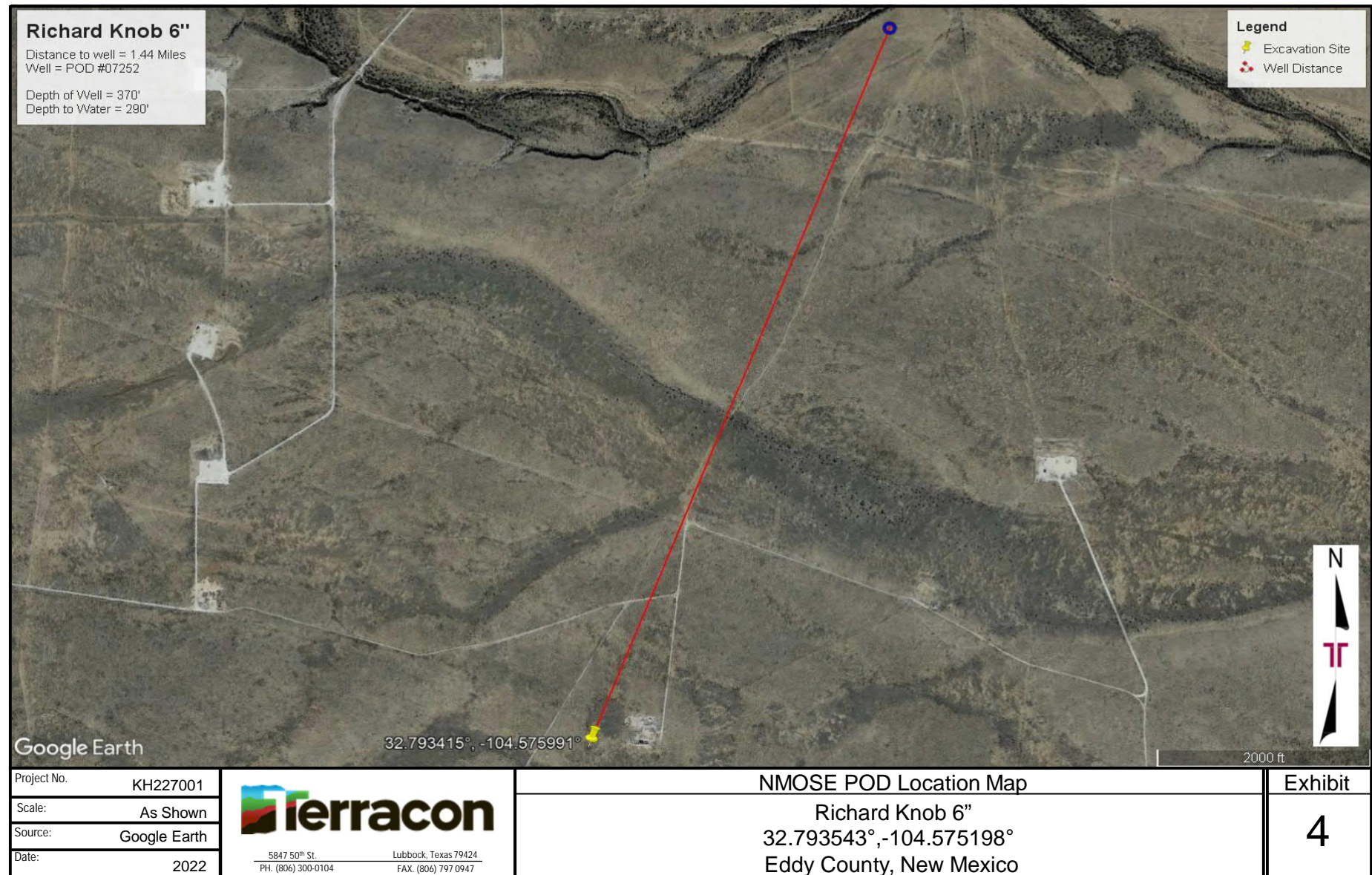
Reclamation Action Limit of 600 mg/kg during the November 2020 sampling event. After further excavation activities were completed and additional soil samples collected, none of the soil samples analyzed for chlorides exceeded the NMOCD Remediation Action Limit for samples collected during June 24, 2021 or July 2022. Based on the information provided, Frontier Field Services, LLC respectfully requests closure of this project.

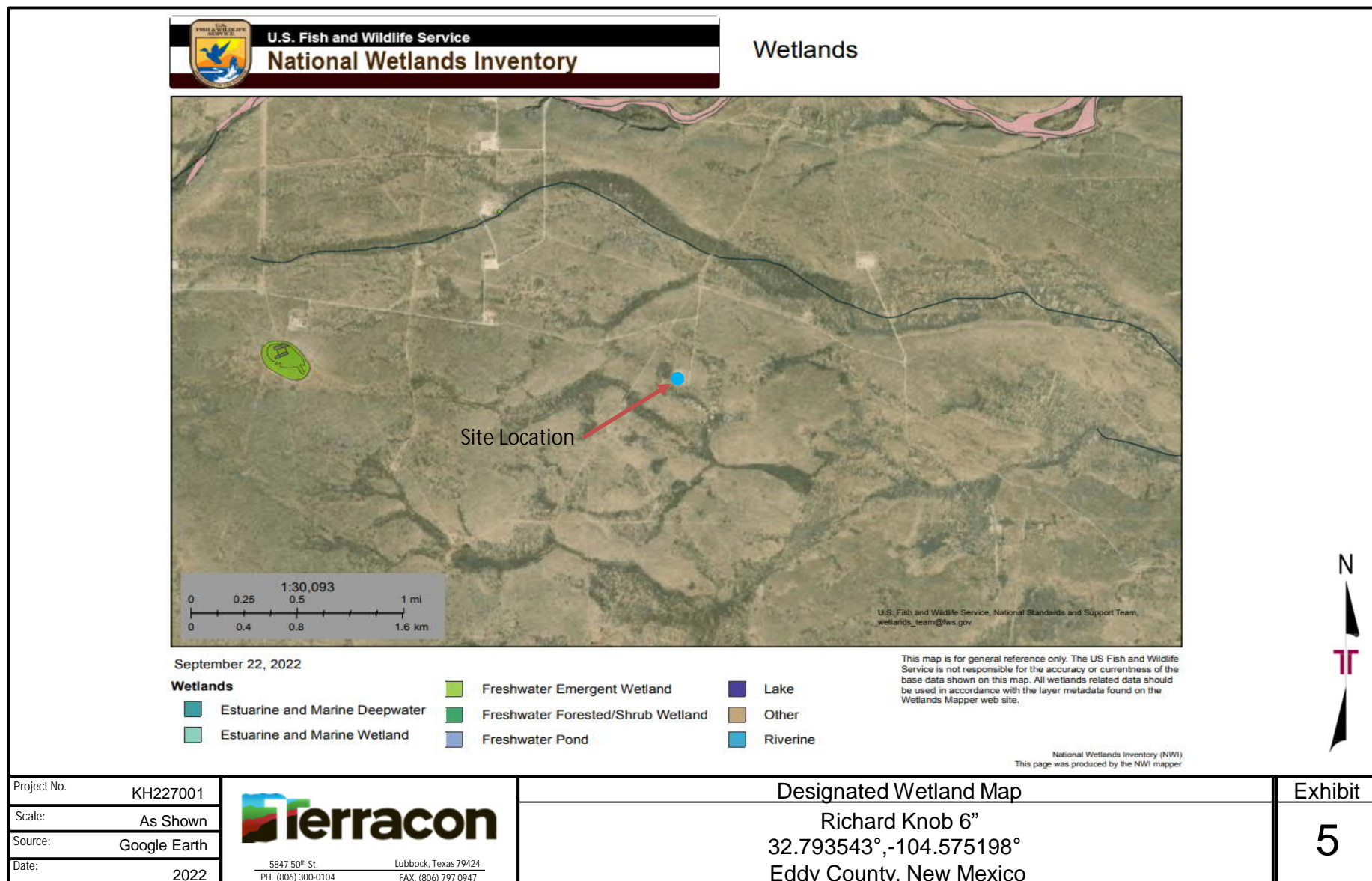
APPENDIX A – EXHIBITS

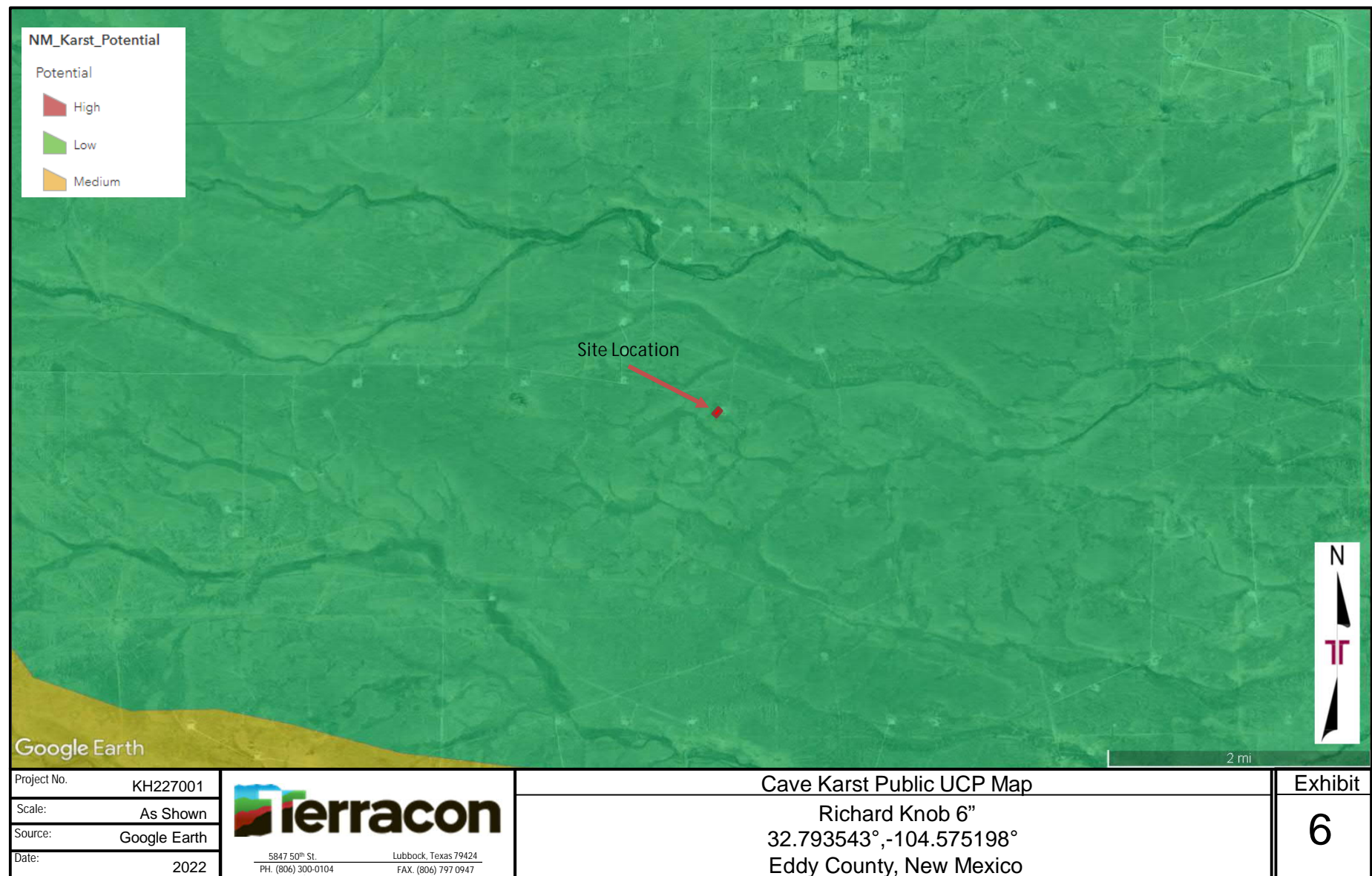












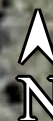
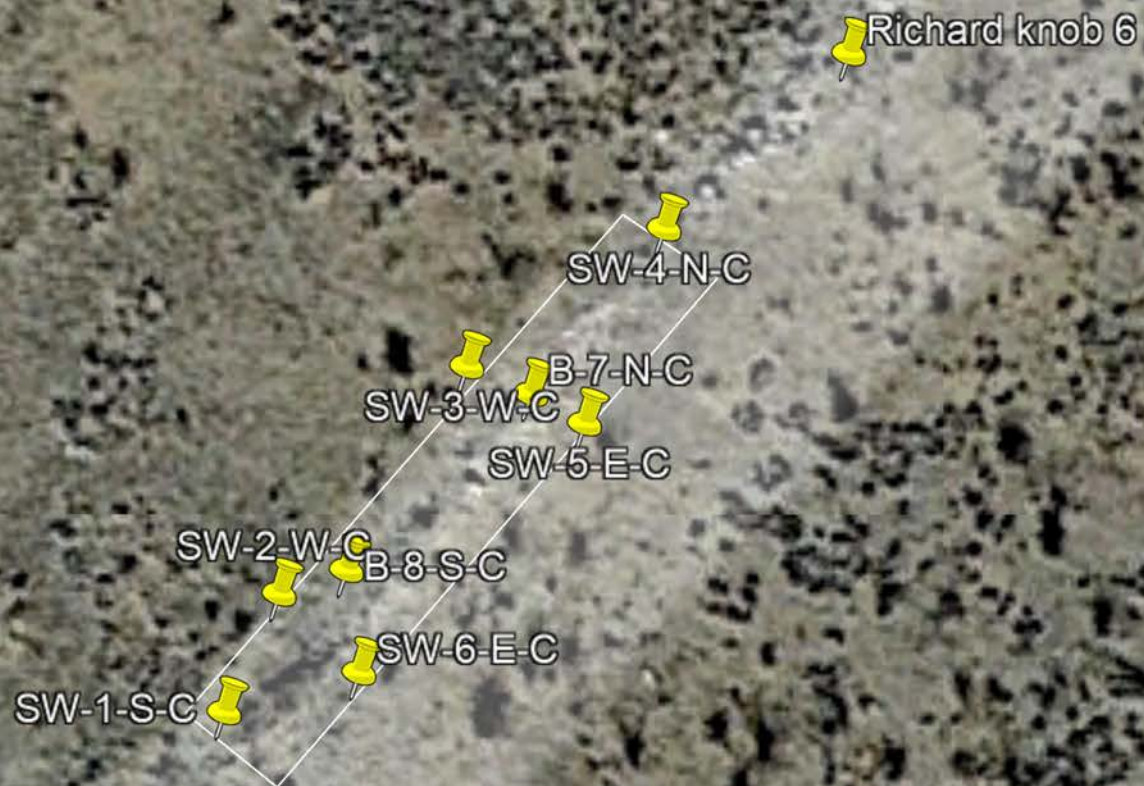


APPENDIX B – SUPPLEMENTAL INFORMATION FROM LUCID

11.23.2020 Site Map



Legend

-  11.23.2020 Excavation Area Depth 2-3ft
-  Feature 1



3.24.2021 Site Map



Legend

-  3/24/2021 Excavation area
-  Feature 1



3.24.2021 Site Map



Legend

-  3/24/2021 Excavation area 3-4ft depth
-  Feature 1



6.24.2021 Site Map

Legend

-  6/2021 Excavation Area
-  Feature 1



LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CRG

NON-HAZARDOUS WASTE MANIFEST

NO **142292**

1. PAGE ____ OF ____

2. TRAILER NO.

702

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay	5. PICK-UP DATE 3/23/2021	
	PHONE NO. (575) 810-6021	CITY Artesia STATE N.M. ZIP 88210	6. TNRCC I.D. NO.	
N E E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	Non-Regulated, Non Hazardous Waste	1 CM		
	b.			
R E C E I V E R	c.			
	WT: 36720			
A U T H O R I Z E D	12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.		
	RICHARD KNOB (AEX STATE # 1)			
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT			
	NAME JOE ONTIVEROS	PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.	
O F F I C E R	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC			
	PRINTED/TYPED NAME CO. MAN: MIKE GANT	SIGNATURE		DATE
T R A N S P O R T E R S	16. TRANSPORTER (1)		17. TRANSPORTER (2)	
	NAME: BDS ENTERPRISES		NAME:	
	TEXAS I.D. NO.		TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:	
D I S P O S I T I O N	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:	
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material	
	PRINTED/TYPED NAME Fernando Oivas		PRINTED/TYPED NAME	
	SIGNATURE Fernando O. DATE 3/23/2021		SIGNATURE DATE	
D I S P O S I T I O N	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	
	PHONE: 575-887-4048			
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS	
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
A U T H O R I Z E D	AUTHORIZED SIGNATURE Santos Gonzalez		CELL NO.	DATE 3/23/2021
				TIME 12:05

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

GoldSpec
04

NON-HAZARDOUS WASTE MANIFEST

NO **142293**

1. PAGE ___ OF ___

2. TRAILER NO. **04**

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/23/2021	
	PHONE NO. (575) 810-6021	CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.
N E E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY
	a. Non-Regulated, Non Hazardous Waste			1	CM
	b.				
R E C E I V E R	c.				
	WT: 38020				
A C T I V E	12. COMMENTS OR SPECIAL INSTRUCTIONS:			13. WASTE PROFILE NO.	
	RICHARD KNOB (AEX STATE # 1)				
T R A N S P O R T E R	14. IN CASE OF EMERGENCY OR SPILL, CONTACT				
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.
O F F I C E	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC				
	PRINTED/TYPED NAME CO. MAN: MIKE GANT		SIGNATURE		DATE
T R A N S P O R T E R	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
S I T E	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
F A C I L I T Y	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
D I S P O S I T Y	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L E A L A N D	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
	SIGNATURE [Signature]		SIGNATURE		
L E A L A N D	DATE 3/23/2021		DATE		
	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
L E A L A N D	NAME: BDS ENTERPRISES		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
L E A L A N D	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
L E A L A N D	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
	PRINTED/TYPED NAME Severo Gutierrez		PRINTED/TYPED NAME		
L E A L A N D	SIGNATURE [Signature]		SIGNATURE		
	DATE 3/23/2021		DATE		
L E A L A N D	16. TRANSPORTER (1)		17. TRANSPORTER (2)		
	NAME: BDS ENTERPRISES		NAME:		
L E A L A N D	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:		
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material		
L					

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142294**

1. PAGE OF

2. TRAILER NO. **54**

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay	5. PICK-UP DATE 3/23/2021	
	PHONE NO. (575) 810-8021	CITY Artesia	STATE N.M.	ZIP 88210
N E E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY
	Non-Regulated, Non Hazardous Waste		1 CM	
	b.			
	c.			
A T T E N T I O N	12. COMMENTS OR SPECIAL INSTRUCTIONS:		13. WASTE PROFILE NO.	
	RICHARD KNOB (AEX STATE # 1)			
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT			
O F F I C E	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048	
	24-HOUR EMERGENCY NO.			
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC			
R E C E I V E R	PRINTED/TYPED NAME CO. MAN: MIKE GANT		SIGNATURE _____ DATE 3/23/2021	
	16. TRANSPORTER (1)		17. TRANSPORTER (2)	
T R A N S P O R T E R S	NAME: BDS ENTERPRISES		NAME:	
	TEXAS I.D. NO.		TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:	
	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:	
D I S P O S I T O R Y	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material	
	PRINTED/TYPED NAME Michael Welch		PRINTED/TYPED NAME _____	
	SIGNATURE [Signature] DATE 3/23/2021		SIGNATURE _____ DATE _____	
D I S P O S I T O R Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	
	PHONE: 575-887-4048			
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS	
D I S P O S I T O R Y	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
	AUTHORIZED SIGNATURE [Signature]		CELL NO. _____	DATE 3/23/2021

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

Released to Imaging: 1/24/2023 1:43:57 PM

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

3/24/2021

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CRG

NON-HAZARDOUS WASTE MANIFEST

NO **142296**

1. PAGE OF

2. TRAILER NO.

702

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC		4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/24/2021		
	PHONE NO. (575) 810-8021		CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste			1 CM			
T R A N S P O R T E R S	b.						
	c.						
	WT: 35080 35600						
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)			13. WASTE PROFILE NO.			
D I S P O S I T Y	14. IN CASE OF EMERGENCY OR SPILL, CONTACT						
	NAME		PHONE NO		24-HOUR EMERGENCY NO.		
	JOE ONTIVEROS		575-887-4048				
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
D I S P O S I T Y	PRINTED/TYPED NAME CO. MAN: MIKE GANT			SIGNATURE		DATE	
	16. TRANSPORTER (1)			17. TRANSPORTER (2)			
	NAME: BDS ENTERPRISES			NAME:			
TEXAS I.D. NO.			TEXAS I.D. NO.				
IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS			IN CASE OF EMERGENCY CONTACT:				
EMERGENCY PHONE: (575) 302-8498			EMERGENCY PHONE:				
18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material				
PRINTED/TYPED NAME Fernando Olivas			PRINTED/TYPED NAME				
SIGNATURE X Fernando O. DATE 3/24/2021			SIGNATURE DATE				
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
	AUTHORIZED SIGNATURE Santos Gonzalez		CELL NO.		DATE 3/24/2021	TIME 7:30	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Gold Speed
04

NON-HAZARDOUS WASTE MANIFEST

NO **142297**

1. PAGE ___ OF ___

2. TRAILER NO.

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC		4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/24/2021		
	PHONE NO. (575) 810-6021		CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste			1 CM			
A T T R I B U T E R	b.						
	c.						
	WT: 37320 38580						
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)			13. WASTE PROFILE NO. TP 75900			
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT						
	NAME JOE ONTIVEROS		PHONE NO 575-887-4048		24-HOUR EMERGENCY NO.		
	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
	PRINTED/TYPED NAME CO. MAN: MIKE GANT			SIGNATURE		DATE	
D I S P O S I T Y	16. TRANSPORTER (1)			17. TRANSPORTER (2)			
	NAME: BDS ENTERPRISES			NAME:			
	TEXAS I.D. NO.			TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS			IN CASE OF EMERGENCY CONTACT:			
D I S P O S I T Y	EMERGENCY PHONE: (575) 382-8498			EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME SCOTT TUBER			PRINTED/TYPED NAME			
	SIGNATURE [Signature] DATE 3/24/2021			SIGNATURE DATE			
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
	AUTHORIZED SIGNATURE [Signature]		CELL NO.		DATE 3/24/2021		TIME 8:10

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142298**

1. PAGE ___ OF ___

2. TRAILER NO.

54

G

3. COMPANY NAME
Lucid Energy Delaware LLC

4. ADDRESS
328 W. Quay

5. PICKUP DATE
3/24/2021

E

PHONE NO.
(575) 810-8021

CITY
Artesia

STATE
N.M.

ZIP
88210

6. TNRCC I.D. NO.

N

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated, Non Hazardous Waste

8. CONTAINERS
No. Type

1

CM

9. TOTAL
QUANTITY

10. UNIT
Wt/Vol.

11. TEXAS
WASTE ID #

E

b.

c.

R

WT: **37780 37340**

A

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RICHARD KNOB (AEX STATE # 1)

13. WASTE PROFILE NO.

T

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

O

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN: MIKE GANT

T

16.

TRANSPORTER (1)

NAME:

BDS ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

BRIAN STEVENS

EMERGENCY PHONE:

(575) 302-8488

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

3/24/2021

17.

TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

Santos Gonzalez

3/24/2021

8:45

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142323**

1. PAGE ___ OF ___

2. TRAILER NO.

50

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC		4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/24/2021		
	PHONE NO. (575) 810-8021		CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste			1 CM			
A D D R E S S	b.						
	c.						
	WT: 34280						
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)			13. WASTE PROFILE NO.			
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT						
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.		
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
	PRINTED/TYPED NAME CO. MAN: MIKE GANT			SIGNATURE		DATE	
D I S P O S I T Y	16. TRANSPORTER (1)			17. TRANSPORTER (2)			
	NAME: BDS ENTERPRISES			NAME:			
	TEXAS I.D. NO.			TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS			IN CASE OF EMERGENCY CONTACT:			
F A C I L I T Y	EMERGENCY PHONE: (575) 302-0498			EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME DONALD BUTLER			PRINTED/TYPED NAME			
	SIGNATURE [Signature] DATE 3/24/2021			SIGNATURE DATE			
L E A L A N D L L C	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
	AUTHORIZED SIGNATURE [Signature]		CELL NO.		DATE 3/24/2021	TIME 12:40	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142326**

1. PAGE ___ OF ___

2. TRAILER NO. **35**

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3. COMPANY NAME
Lucid Energy Delaware LLC

PHONE NO.
(575) 810-6021

4. ADDRESS
326 W. Quay

CITY
Artesia

STATE
N.M.

ZIP
88210

5. PICK-UP DATE
3/24/2021

6. TNRC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated, Non Hazardous Waste

b.

c.

WT: **35880**

8. CONTAINERS
No. Type

1

CM

9. TOTAL
QUANTITY

10. UNIT
Wt/Vol.

11. TEXAS
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RICHARD KNOB (AEX STATE # 1)

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

15. **GENERATOR'S CERTIFICATION:** I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

CO. MAN: MIKE GANT

SIGNATURE

DATE

16. TRANSPORTER (1)

NAME:

BDS ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

BRIAN STEVENS

EMERGENCY PHONE:

(575) 302-0490

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

3/24/2021

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

3/24/2021

TIME

12:50

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142332**

1. PAGE ___ OF ___

2. TRAILER NO. **35**

G
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3. COMPANY NAME
Lucid Energy Delaware LLC
PHONE NO.
(575) 810-6021

4. ADDRESS
326 W. Quay
CITY STATE ZIP
Artesia N.M. 88210

5. PICK-UP DATE
3/25/2021
6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS
No. Type

9. TOTAL
QUANTITY

10. UNIT
Wt/Vol.

11. TEXAS
WASTE ID #

a. **Non-Regulated, Non Hazardous Waste**

1 **CM**

b.

c.

WT: **39,120 37,480**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RICHARD KNOB (AEX STATE # 1)

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

JOE ONTIVEROS

575-887-4048

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

CO. MAN: MIKE GANT

16. TRANSPORTER (1)

NAME:

BDS ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

BRIAN STEVENS

EMERGENCY PHONE:

(575) 302-8498

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

3/25/2021

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

3/25/2021

TIME

7:00

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142333**

1. PAGE OF

2. TRAILER NO. **50**

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/25/2021	
	PHONE NO. (575) 810-6021	CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.
N E E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY
	Non-Regulated, Non Hazardous Waste			1 CM	
	b.				
	c.				
A T T R I B U T E R	12. COMMENTS OR SPECIAL INSTRUCTIONS: WT: 38440 37060 RICHARD KNOB (AEX STATE # 1) TO 45.500			13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME PHONE NO 24-HOUR EMERGENCY NO. JOE ONTIVEROS 575-887-4048				
O F F I C I A L	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC				
	PRINTED/TYPED NAME CO. MAN: MIKE GANT		SIGNATURE DATE		
T R A N S P O R T E R S	16. TRANSPORTER (1) NAME: BDS ENTERPRISES TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS EMERGENCY PHONE: (575) 302-8498		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME Donal Butler SIGNATURE Donal Butler DATE 3/25/2021		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME SIGNATURE DATE		
	20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048
	PERMIT NO. WM-01-035 - New Mexico				
L A N D	AUTHORIZED SIGNATURE Donal Butler		CELL NO. Monzalez	DATE 3/25/2021	TIME 8:45

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

Released to Imaging: 1/24/2023 1:43:57 PM

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Gold Speed
04

NON-HAZARDOUS WASTE MANIFEST

NO **142334**

1. PAGE ___ OF ___

2. TRAILER NO. **04**

G
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3. COMPANY NAME
Lucid Energy Delaware LLC

PHONE NO.
(575) 810-6021

4. ADDRESS
326 W. Quay

CITY STATE ZIP
Artesia N.M. 88210

5. PICK-UP DATE
3/25/2021

6. TNRC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

Non-Regulated, Non Hazardous Waste

b.

c.

WT: **40720**

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RICHARD KNOB (AEX STATE # 1)

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME PHONE NO 24-HOUR EMERGENCY NO.

JOE ONTIVEROS 575-887-4048

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

CO. MAN: MIKE GANT

SIGNATURE

DATE

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16. TRANSPORTER (1)

NAME:

BDS ENTERPRISES

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

BRIAN STEVENS

EMERGENCY PHONE:

(575) 302-8498

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Severo Gupen

SIGNATURE

DATE

3/25/2021

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

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Lea Land, LLC

ADDRESS:

**Mile Marker 64, U.S. Hwy 62/180,
30 Miles East of Carlsbad, NM**

PHONE:

575-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

TIME

3/25/2021

10:00

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

Released to Imaging: 1/24/2023 1:43:57 PM

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

CRG

NON-HAZARDOUS WASTE MANIFEST

NO **142344**

1. PAGE ____ OF ____

2. TRAILER NO.

702

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay	5. PICK-UP DATE 3/25/2021
	PHONE NO. (575) 810-8021	CITY Artesia STATE N.M. ZIP 88210	6. TNRCC I.D. NO.

N E R A T O R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste	1 CM			
	b.				
	c.				

WT: **40,580**

A T T R I B U T E D	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)	13. WASTE PROFILE NO.
--	--	-----------------------

T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME JOE ONTIVEROS	PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R E C E I V E R	PRINTED/TYPED NAME CO. MAN: MIKE GANT	SIGNATURE	DATE
--------------------------------------	---	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: BDS ENTERPRISES	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS	IN CASE OF EMERGENCY CONTACT:

18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
EMERGENCY PHONE: (575) 302-8498	EMERGENCY PHONE:
PRINTED/TYPED NAME Fernando Olivas	PRINTED/TYPED NAME
SIGNATURE X Fernando Olivas DATE 3/25/2021	SIGNATURE DATE

D I S P O S I T A R Y	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
---	---------------	---	-------------------------------

PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS
---	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE Santa Gonzalez	CELL NO.	DATE 3/25/2021	TIME 10:35
---	----------	--------------------------	----------------------

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142350**

1. PAGE ____ OF ____

2. TRAILER NO. **641**

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/25/2021	
	PHONE NO. (575) 810-6021	CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.
N E E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY
	Non-Regulated, Non Hazardous Waste			1 CM	
	b.				
R E C E I V E R	c.				
	WT: 23 880				
A U T H O R I Z E D	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)			13. WASTE PROFILE NO.	
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT				
T R A N S P O R T E R S	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC				
D I S P O S I T A R Y	PRINTED/TYPED NAME CO. MAN: MIKE GANT		SIGNATURE		DATE
	16. TRANSPORTER (1) NAME: BDS ENTERPRISES TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS EMERGENCY PHONE: (575) 302-8498		17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:		
D I S P O S I T A R Y	18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME Cera Tote SIGNATURE [Signature] DATE 3/25/2021		19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME _____ SIGNATURE _____ DATE _____		
	20. COMMENTS				
D I S P O S I T A R Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048
	PERMIT NO. WM-01-035 - New Mexico				
D I S P O S I T A R Y	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
	AUTHORIZED SIGNATURE [Signature]		CELL NO. [Signature]	DATE 3/25/2021	TIME 2:00

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

BDS

NON-HAZARDOUS WASTE MANIFEST

NO **142351**

1. PAGE ____ OF ____

2. TRAILER NO.

54

G E N E R A T O R	3. COMPANY NAME Lucid Energy Delaware LLC		4. ADDRESS 326 W. Quay		5. PICK-UP DATE 3/25/2021		
	PHONE NO. (575) 810-6021		CITY Artesia	STATE N.M.	ZIP 88210	6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste		1	CM			
A U T H O R I Z E D	b.						
	c.						
	WT: 33,420						
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RICHARD KNOB (AEX STATE # 1)		13. WASTE PROFILE NO.				
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT						
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.		
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
	PRINTED/TYPED NAME CO. MAN: MIKE GANT			SIGNATURE			DATE
D I S P O S I T A T I O N	16. TRANSPORTER (1)		17. TRANSPORTER (2)				
	NAME: BDS ENTERPRISES		NAME:				
	TEXAS I.D. NO.		TEXAS I.D. NO.				
	IN CASE OF EMERGENCY CONTACT: BRIAN STEVENS		IN CASE OF EMERGENCY CONTACT:				
L E A L A N D	EMERGENCY PHONE: (575) 302-8498		EMERGENCY PHONE:				
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material				
	PRINTED/TYPED NAME Manuel Weldon		PRINTED/TYPED NAME				
	SIGNATURE [Signature] DATE 3/25/2021		SIGNATURE DATE				
D I S P O S I T A T I O N	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
	AUTHORIZED SIGNATURE Santos Gonzalez		CELL NO.		DATE 3/25/2021	TIME 05 2.	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

APPENDIX C – TABLES, PROCEDURES, AND FIGURES

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX ¹ , Chloride ² , and TPH ³ Richard Knob Terracon Project No. KH227001									
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Soil Status	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
Initial Assessment Sample Results									
SW-1-S-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	150	<4.8	<9.2	<46
SW-2-W-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	370	<4.8	<9.7	<48
SW-3-W-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	110	<4.8	14	<48
SW-4-N-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	<60	<4.9	<9.7	<48
SW-5-E-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	4,000	<4.9	<9.4	<47
SW-6-E-C	2-3'	Comp	Ex-Situ	11/23/20	<SLDs	2,700	<4.7	11	<46
B-7-N-C	4'	Comp	Ex-Situ	11/23/20	<SLDs	<60	<4.7	<9.9	<49
B-8-S-C	4'	Comp	Ex-Situ	11/23/20	<SLDs	<60	<4.8	<9.5	<48
B-9-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	840	<5.0	<9.1	<45
B-10-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	1,000	<5.0	<9.2	<46
B-11-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	61	<4.9	<9.7	<48
B-12-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	<60	<4.8	<9.7	<48
SW-1-N-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	760	<4.9	<10	<50
SW-2-W-C	3-4'	Comp	In-Situ	03/24/21	<SLDs	61	<4.8	<9.2	<50
SW-3-W-C	3-4'	Comp	In-Situ	03/24/21	<SLDs	60	<4.9	<9.1	<45
SW-4-S-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	860	<5.0	<9.9	<49
SW-5-S-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	280	<4.6	<9.9	<50

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX ¹ , Chloride ² , and TPH ³ Richard Knob Terracon Project No. KH227001									
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Soil Status	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
SW-6-E-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	540	<4.6	<9.5	<47
SW-7-E-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	66	<4.9	<9.8	<49
SW-8-N-C	3-4'	Comp	Ex-Situ	03/24/21	<SLDs	500	<4.7	<9.8	<49
Lucid Final Smapling Event									
SW-13-N-C	4'	Comp	In-Situ	06/24/21	<SLDs	<60	<4.8	<9.8	<49
SW-14-W-C	4'	Comp	In-Situ	06/24/21	<SLDs	63	<4.9	<9.8	<49
SW-15-W-C	4'	Comp	In-Situ	06/24/21	<SLDs	<60	<4.9	<9.7	<49
SW-16-S-C	4'	Comp	In-Situ	06/24/21	<SLDs	<60	<4.8	<10	<50
SW-17-S-C	4'	Comp	In-Situ	06/24/21	<SLDs	170	<4.8	<9.8	<49
SW-18-E-C	4'	Comp	In-Situ	06/24/21	<SLDs	120	<5.0	<9.7	<49
SW-19-E-C	4'	Comp	In-Situ	06/24/21	<SLDs	120	<5.0	<9.8	<49
SW-20-N-C	4'	Comp	In-Situ	06/24/21	<SLDs	<60	<4.9	<9.6	<48
B-21-N-C	4'	Comp	In-Situ	06/24/21	<SLDs	150	<4.9	<9.8	<49
B-22-S-C	4'	Comp	In-Situ	06/24/21	<SLDs	130	<4.8	<9.2	<46
B-23-S-C	4'	Comp	In-Situ	06/24/21	<SLDs	130	<4.9	<9.5	<47
B-24-N-C	4'	Comp	In-Situ	06/24/21	<SLDs	140	<4.8	<9.6	<48
Terracon Confirmation Sampling									
HA-1	0-0.5'	Comp	In-Situ	07/20/22	<SLDs	64	<10.0	<10.0	<10.0
HA-2	0-0.5'	Comp	In-Situ	07/20/22	<SLDs	80	<10.0	<10.0	<10.0

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX ¹ , Chloride ² , and TPH ³ Richard Knob Terracon Project No. KH227001									
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Soil Status	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
HA-3	0-0.5'	Comp	In-Situ	07/20/22	<SLDs	80	<10.0	<10.0	<10.0
HA-4	0-0.5'	Comp	In-Situ	07/20/22	<SLDs	48	<10.0	<10.0	<10.0
HA-5	0-0.5'	Comp	In-Situ	07/20/22	<SLDs	48	<10.0	<10.0	<10.0
	2-3'	Comp	In-Situ	07/20/22	<SLDs	64	<10.0	<10.0	<10.0
NMOCD Reclamation Standards ⁴ (Applicable for Soils from the Surface to 4 ft. Below Grade Surface)					Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	600	N/A		
NMOCD Remediation and Delineation Standards ⁵ (Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)					Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	600	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

4. New Mexico Administration Code (NMAC) Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for soils extending to 4 ft. bgs

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards are proposed in 19.15.29.12 NMAC - N, 8/14/2018

< = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standards.

APPENDIX D – PHOTOGRAPHIC LOG



PHOTO 1: View of site, facing North. / GPS: 32.793501 -104.57521



PHOTO 2: View of excavation, facing southwest / GPS: 32.793705 -104.575045



PHOTO 3: View of excavation, facing north / **GPS:** 32.793457 -104.57533



PHOTO 4: View of backfilled excavation area, facing northeast / **GPS:** 32:793457 - -104.57533

APPENDIX E – ANALYTICAL REPORT AND CHAIN OF CUSTODY



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

December 01, 2020

Michael Gant
Lucid Energy Delaware
201 South 4th St.
Artesia, NM 88210
TEL:
FAX:

RE: Richard Knob

OrderNo.: 2011C47

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 8 sample(s) on 11/25/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 1 S C

Project: Richard Knob

Collection Date: 11/23/2020 1:30:00 PM

Lab ID: 2011C47-001

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/30/2020 3:12:07 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2020 3:12:07 PM
Surr: DNOP	95.1	30.4-154		%Rec	1	11/30/2020 3:12:07 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	150	60		mg/Kg	20	11/28/2020 7:14:00 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 7:34:27 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2020 7:34:27 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 7:34:27 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2020 7:34:27 PM
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	11/29/2020 7:34:27 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/29/2020 7:34:27 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	11/29/2020 7:34:27 PM
Surr: Toluene-d8	94.5	70-130		%Rec	1	11/29/2020 7:34:27 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 7:34:27 PM
Surr: BFB	99.4	70-130		%Rec	1	11/29/2020 7:34:27 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 2 W C

Project: Richard Knob

Collection Date: 11/23/2020 1:32:00 PM

Lab ID: 2011C47-002

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2020 3:21:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 3:21:38 PM
Surr: DNOP	94.4	30.4-154		%Rec	1	11/30/2020 3:21:38 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	370	59		mg/Kg	20	11/28/2020 7:51:14 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 8:01:38 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2020 8:01:38 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 8:01:38 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2020 8:01:38 PM
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	1	11/29/2020 8:01:38 PM
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	11/29/2020 8:01:38 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/29/2020 8:01:38 PM
Surr: Toluene-d8	93.7	70-130		%Rec	1	11/29/2020 8:01:38 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 8:01:38 PM
Surr: BFB	95.1	70-130		%Rec	1	11/29/2020 8:01:38 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 3 W C

Project: Richard Knob

Collection Date: 11/23/2020 1:35:00 PM

Lab ID: 2011C47-003

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	14	9.7		mg/Kg	1	11/30/2020 3:31:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 3:31:12 PM
Surr: DNOP	98.7	30.4-154		%Rec	1	11/30/2020 3:31:12 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	110	59		mg/Kg	20	11/28/2020 8:03:38 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 8:28:51 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2020 8:28:51 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 8:28:51 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2020 8:28:51 PM
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	11/29/2020 8:28:51 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/29/2020 8:28:51 PM
Surr: Dibromofluoromethane	110	70-130		%Rec	1	11/29/2020 8:28:51 PM
Surr: Toluene-d8	94.1	70-130		%Rec	1	11/29/2020 8:28:51 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 8:28:51 PM
Surr: BFB	99.5	70-130		%Rec	1	11/29/2020 8:28:51 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 3 of 16

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 4 N C

Project: Richard Knob

Collection Date: 11/23/2020 1:40:00 PM

Lab ID: 2011C47-004

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2020 3:40:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 3:40:43 PM
Surr: DNOP	104	30.4-154		%Rec	1	11/30/2020 3:40:43 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 8:16:02 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	11/29/2020 3:04:43 AM
Toluene	ND	0.049		mg/Kg	1	11/29/2020 3:04:43 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2020 3:04:43 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/29/2020 3:04:43 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/29/2020 3:04:43 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/29/2020 3:04:43 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	11/29/2020 3:04:43 AM
Surr: Toluene-d8	85.6	70-130		%Rec	1	11/29/2020 3:04:43 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2020 3:04:43 AM
Surr: BFB	104	70-130		%Rec	1	11/29/2020 3:04:43 AM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 5 E C

Project: Richard Knob

Collection Date: 11/23/2020 1:42:00 PM

Lab ID: 2011C47-005

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	36	9.4		mg/Kg	1	11/30/2020 3:50:15 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2020 3:50:15 PM
Surr: DNOP	103	30.4-154		%Rec	1	11/30/2020 3:50:15 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	4000	150		mg/Kg	50	11/30/2020 12:41:11 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 4:29:22 AM
Toluene	ND	0.049		mg/Kg	1	11/29/2020 4:29:22 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2020 4:29:22 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2020 4:29:22 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	11/29/2020 4:29:22 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/29/2020 4:29:22 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	11/29/2020 4:29:22 AM
Surr: Toluene-d8	87.0	70-130		%Rec	1	11/29/2020 4:29:22 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2020 4:29:22 AM
Surr: BFB	103	70-130		%Rec	1	11/29/2020 4:29:22 AM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW 6 E C

Project: Richard Knob

Collection Date: 11/23/2020 1:45:00 PM

Lab ID: 2011C47-006

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	11	9.2		mg/Kg	1	11/30/2020 3:59:45 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2020 3:59:45 PM
Surr: DNOP	108	30.4-154		%Rec	1	11/30/2020 3:59:45 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	2700	150		mg/Kg	50	11/30/2020 12:53:36 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.023		mg/Kg	1	11/29/2020 5:53:58 AM
Toluene	ND	0.047		mg/Kg	1	11/29/2020 5:53:58 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2020 5:53:58 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/29/2020 5:53:58 AM
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	11/29/2020 5:53:58 AM
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/29/2020 5:53:58 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	11/29/2020 5:53:58 AM
Surr: Toluene-d8	87.7	70-130		%Rec	1	11/29/2020 5:53:58 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2020 5:53:58 AM
Surr: BFB	105	70-130		%Rec	1	11/29/2020 5:53:58 AM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B 7 N C

Project: Richard Knob

Collection Date: 11/23/2020 1:50:00 PM

Lab ID: 2011C47-007

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/30/2020 4:09:15 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2020 4:09:15 PM
Surr: DNOP	94.6	30.4-154		%Rec	1	11/30/2020 4:09:15 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 9:18:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 6:22:07 AM
Toluene	ND	0.047		mg/Kg	1	11/29/2020 6:22:07 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2020 6:22:07 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2020 6:22:07 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	11/29/2020 6:22:07 AM
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	11/29/2020 6:22:07 AM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	11/29/2020 6:22:07 AM
Surr: Toluene-d8	87.2	70-130		%Rec	1	11/29/2020 6:22:07 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2020 6:22:07 AM
Surr: BFB	101	70-130		%Rec	1	11/29/2020 6:22:07 AM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2011C47

Date Reported: 12/1/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B 8 S C

Project: Richard Knob

Collection Date: 11/23/2020 2:00:00 PM

Lab ID: 2011C47-008

Matrix: SOIL

Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/30/2020 4:18:44 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2020 4:18:44 PM
Surr: DNOP	97.7	30.4-154		%Rec	1	11/30/2020 4:18:44 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	11/28/2020 9:55:17 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	11/29/2020 6:50:17 AM
Toluene	ND	0.048		mg/Kg	1	11/29/2020 6:50:17 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2020 6:50:17 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2020 6:50:17 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	11/29/2020 6:50:17 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/29/2020 6:50:17 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/29/2020 6:50:17 AM
Surr: Toluene-d8	85.1	70-130		%Rec	1	11/29/2020 6:50:17 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2020 6:50:17 AM
Surr: BFB	105	70-130		%Rec	1	11/29/2020 6:50:17 AM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: MB-56678	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56678	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596132	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56678	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56678	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596133	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: MB-56679	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 56679	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596167	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-56679	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 56679	RunNo: 73657								
Prep Date: 11/28/2020	Analysis Date: 11/28/2020	SeqNo: 2596168	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.7	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: LCS-56680	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56680				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596910	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		107	30.4	154			

Sample ID: LCS-56682	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56682				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596911	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	70	130			
Surr: DNOP	6.2		5.000		123	30.4	154			

Sample ID: LCS-56683	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56683				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596912	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	30.4	154			

Sample ID: LCS-56685	SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 56685				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596913	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.6	30.4	154			

Sample ID: MB-56680	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 56680				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596914	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		98.9	30.4	154			

Sample ID: MB-56682	SampType: MBLK				TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 56682				RunNo: 73679					
Prep Date: 11/28/2020	Analysis Date: 11/30/2020				SeqNo: 2596915	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	10		10.00		100	30.4	154			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: MB-56683	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 56683			RunNo: 73679						
Prep Date: 11/28/2020	Analysis Date: 11/30/2020			SeqNo: 2596916	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	30.4	154			

Sample ID: MB-56685	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 56685			RunNo: 73679						
Prep Date: 11/28/2020	Analysis Date: 11/30/2020			SeqNo: 2596917	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.9	30.4	154			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: mb-56668	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595110	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: 1,2-Dichloroethane-d4	0.46		0.5000		92.7	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.46		0.5000		92.5	70	130			

Sample ID: lcs-56668	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56668	RunNo: 73634								
Prep Date: 11/25/2020	Analysis Date: 11/28/2020	SeqNo: 2595111	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	114	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.5	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.48		0.5000		95.3	70	130			

Sample ID: mb-56672	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56672	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/29/2020	SeqNo: 2595326	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: 1,2-Dichloroethane-d4	0.51		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.45		0.5000		89.1	70	130			

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 Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: Ics-56672	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56672	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/29/2020	SeqNo: 2595327	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	123	80	120			S
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		113	70	130			
Surr: Toluene-d8	0.44		0.5000		88.7	70	130			

Sample ID: 2011c47-005ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: SW 5 E C	Batch ID: 56672	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/29/2020	SeqNo: 2595331	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9980	0	113	71.1	115			
Toluene	0.99	0.050	0.9980	0	99.4	79.6	132			
Ethylbenzene	0.97	0.050	0.9980	0	97.4	83.8	134			
Xylenes, Total	3.1	0.10	2.994	0	105	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.50		0.4990		101	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.4990		103	70	130			
Surr: Dibromofluoromethane	0.54		0.4990		107	70	130			
Surr: Toluene-d8	0.44		0.4990		88.1	70	130			

Sample ID: 2011c47-005amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: SW 5 E C	Batch ID: 56672	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/29/2020	SeqNo: 2595332	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9950	0	114	71.1	115	0.0883	20	
Toluene	1.0	0.050	0.9950	0	101	79.6	132	1.10	20	
Ethylbenzene	0.98	0.050	0.9950	0	98.1	83.8	134	0.438	20	
Xylenes, Total	3.2	0.10	2.985	0	106	82.4	132	1.14	20	
Surr: 1,2-Dichloroethane-d4	0.49		0.4975		97.8	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.51		0.4975		102	70	130	0	0	
Surr: Dibromofluoromethane	0.51		0.4975		103	70	130	0	0	
Surr: Toluene-d8	0.43		0.4975		85.6	70	130	0	0	

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: mb-56681	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595647	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.1	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.48		0.5000		95.1	70	130			

Sample ID: lcs-56681	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595649	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.0	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.47		0.5000		93.3	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: mb-56668	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch ID: 56668			RunNo: 73634						
Prep Date: 11/25/2020	Analysis Date: 11/28/2020			SeqNo: 2595147		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	480		500.0		96.5	70	130			

Sample ID: lcs-56668	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS	Batch ID: 56668			RunNo: 73634						
Prep Date: 11/25/2020	Analysis Date: 11/28/2020			SeqNo: 2595148		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.8	70	130			
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: mb-56672	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch ID: 56672			RunNo: 73639						
Prep Date: 11/25/2020	Analysis Date: 11/29/2020			SeqNo: 2595366		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	500		500.0		100	70	130			

Sample ID: lcs-56672	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS	Batch ID: 56672			RunNo: 73639						
Prep Date: 11/25/2020	Analysis Date: 11/29/2020			SeqNo: 2595367		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.3	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: 2011c47-004ams	SampType: MS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: SW 4 N C	Batch ID: 56672			RunNo: 73639						
Prep Date: 11/25/2020	Analysis Date: 11/29/2020			SeqNo: 2595369		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.49	0	82.6	49.2	122			
Surr: BFB	510		489.7		104	70	130			

Sample ID: 2011c47-004amsd	SampType: MSD			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: SW 4 N C	Batch ID: 56672			RunNo: 73639						
Prep Date: 11/25/2020	Analysis Date: 11/29/2020			SeqNo: 2595370		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2011C47

01-Dec-20

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: 2011c47-004amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: SW 4 N C	Batch ID: 56672	RunNo: 73639								
Prep Date: 11/25/2020	Analysis Date: 11/29/2020	SeqNo: 2595370	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.68	0	86.1	49.2	122	4.86	20	
Surr: BFB	510		493.6		104	70	130	0	0	

Sample ID: mb-56681	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595868	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	510		500.0		101	70	130			

Sample ID: lcs-56681	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 56681	RunNo: 73649								
Prep Date: 11/28/2020	Analysis Date: 11/29/2020	SeqNo: 2595869	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		97.8	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



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

Sample Log-In Check List

Client Name: **Lucid Energy Delaware**Work Order Number: **2011C47**RcptNo: **1**Received By: **Juan Rojas**

11/25/2020 8:00:00 AM

Completed By: **Emily Mocho**

11/25/2020 9:07:17 AM

Reviewed By: *SR 11/25/20*

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 $>0^{\circ}\text{C}$ 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: *SGC 11/25/20*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			
2	1.9	Good	Yes			
3	2.1	Good	Yes			



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

April 02, 2021

Michael Gant
Lucid Energy Delaware
201 South 4th St.
Artesia, NM 88210
TEL: (575) 513-8988
FAX

RE: Richard Knob

OrderNo.: 2103C45

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/26/2021 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B-9-C

Project: Richard Knob

Collection Date: 3/24/2021 9:15:00 AM

Lab ID: 2103C45-001

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/31/2021 9:00:21 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/31/2021 9:00:21 AM
Surr: DNOP	118	70-130		%Rec	1	3/31/2021 9:00:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/1/2021 12:58:00 AM
Surr: BFB	97.4	70-130		%Rec	1	4/1/2021 12:58:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 12:58:00 AM
Toluene	ND	0.050		mg/Kg	1	4/1/2021 12:58:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/1/2021 12:58:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/1/2021 12:58:00 AM
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	4/1/2021 12:58:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	840	61		mg/Kg	20	4/1/2021 2:53:50 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B-10-C

Project: Richard Knob

Collection Date: 3/24/2021 9:17:00 AM

Lab ID: 2103C45-002

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/31/2021 9:37:56 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/31/2021 9:37:56 AM
Surr: DNOP	141	70-130	S	%Rec	1	3/31/2021 9:37:56 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/1/2021 1:57:00 AM
Surr: BFB	90.3	70-130		%Rec	1	4/1/2021 1:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 1:57:00 AM
Toluene	ND	0.050		mg/Kg	1	4/1/2021 1:57:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/1/2021 1:57:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	4/1/2021 1:57:00 AM
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	4/1/2021 1:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	1000	60		mg/Kg	20	4/1/2021 3:06:14 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B-11-C

Project: Richard Knob

Collection Date: 3/24/2021 9:19:00 AM

Lab ID: 2103C45-003

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/31/2021 9:47:21 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/31/2021 9:47:21 AM
Surr: DNOP	103	70-130		%Rec	1	3/31/2021 9:47:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/1/2021 2:57:00 AM
Surr: BFB	90.8	70-130		%Rec	1	4/1/2021 2:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 2:57:00 AM
Toluene	ND	0.049		mg/Kg	1	4/1/2021 2:57:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2021 2:57:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/1/2021 2:57:00 AM
Surr: 4-Bromofluorobenzene	81.9	70-130		%Rec	1	4/1/2021 2:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	61		mg/Kg	20	4/1/2021 3:18:39 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B-12-C

Project: Richard Knob

Collection Date: 3/24/2021 9:25:00 AM

Lab ID: 2103C45-004

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/31/2021 11:05:26 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/31/2021 11:05:26 AM
Surr: DNOP	100	70-130		%Rec	1	3/31/2021 11:05:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/1/2021 3:17:00 AM
Surr: BFB	94.4	70-130		%Rec	1	4/1/2021 3:17:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/1/2021 3:17:00 AM
Toluene	ND	0.048		mg/Kg	1	4/1/2021 3:17:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2021 3:17:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	4/1/2021 3:17:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	4/1/2021 3:17:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	4/1/2021 3:55:54 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-1-N-C

Project: Richard Knob

Collection Date: 3/25/2021 8:41:00 AM

Lab ID: 2103C45-005

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/31/2021 11:14:57 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/31/2021 11:14:57 AM
Surr: DNOP	85.9	70-130		%Rec	1	3/31/2021 11:14:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/1/2021 3:37:00 AM
Surr: BFB	93.0	70-130		%Rec	1	4/1/2021 3:37:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 3:37:00 AM
Toluene	ND	0.049		mg/Kg	1	4/1/2021 3:37:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2021 3:37:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/1/2021 3:37:00 AM
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	4/1/2021 3:37:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	760	60		mg/Kg	20	4/1/2021 4:08:19 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-2-W-C

Project: Richard Knob

Collection Date: 3/25/2021 8:43:00 AM

Lab ID: 2103C45-006

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/31/2021 11:24:29 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/31/2021 11:24:29 AM
Surr: DNOP	89.0	70-130		%Rec	1	3/31/2021 11:24:29 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/1/2021 3:57:00 AM
Surr: BFB	96.8	70-130		%Rec	1	4/1/2021 3:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/1/2021 3:57:00 AM
Toluene	ND	0.048		mg/Kg	1	4/1/2021 3:57:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	4/1/2021 3:57:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	4/1/2021 3:57:00 AM
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	4/1/2021 3:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	61		mg/Kg	20	4/1/2021 4:20:44 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-3-W-C

Project: Richard Knob

Collection Date: 3/25/2021 8:45:00 AM

Lab ID: 2103C45-007

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/31/2021 11:34:02 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/31/2021 11:34:02 AM
Surr: DNOP	110	70-130		%Rec	1	3/31/2021 11:34:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/1/2021 4:16:00 AM
Surr: BFB	94.4	70-130		%Rec	1	4/1/2021 4:16:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 4:16:00 AM
Toluene	ND	0.049		mg/Kg	1	4/1/2021 4:16:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2021 4:16:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	4/1/2021 4:16:00 AM
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	4/1/2021 4:16:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	4/1/2021 4:33:09 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-4-S-C

Project: Richard Knob

Collection Date: 3/25/2021 8:47:00 AM

Lab ID: 2103C45-008

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/31/2021 11:43:35 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/31/2021 11:43:35 AM
Surr: DNOP	117	70-130		%Rec	1	3/31/2021 11:43:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/1/2021 4:36:00 AM
Surr: BFB	93.2	70-130		%Rec	1	4/1/2021 4:36:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 4:36:00 AM
Toluene	ND	0.050		mg/Kg	1	4/1/2021 4:36:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/1/2021 4:36:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	4/1/2021 4:36:00 AM
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	4/1/2021 4:36:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	860	60		mg/Kg	20	4/1/2021 4:45:33 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-5-S-C

Project: Richard Knob

Collection Date: 3/25/2021 8:55:00 AM

Lab ID: 2103C45-009

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/31/2021 11:53:10 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/31/2021 11:53:10 AM
Surr: DNOP	111	70-130		%Rec	1	3/31/2021 11:53:10 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/1/2021 4:56:00 AM
Surr: BFB	90.5	70-130		%Rec	1	4/1/2021 4:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/1/2021 4:56:00 AM
Toluene	ND	0.046		mg/Kg	1	4/1/2021 4:56:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	4/1/2021 4:56:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	4/1/2021 4:56:00 AM
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	4/1/2021 4:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	280	61		mg/Kg	20	4/1/2021 4:57:57 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-6-E-C

Project: Richard Knob

Collection Date: 3/25/2021 8:59:00 AM

Lab ID: 2103C45-010

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/31/2021 12:02:45 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/31/2021 12:02:45 PM
Surr: DNOP	128	70-130		%Rec	1	3/31/2021 12:02:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/1/2021 5:16:00 AM
Surr: BFB	91.8	70-130		%Rec	1	4/1/2021 5:16:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/1/2021 5:16:00 AM
Toluene	ND	0.046		mg/Kg	1	4/1/2021 5:16:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	4/1/2021 5:16:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	4/1/2021 5:16:00 AM
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	4/1/2021 5:16:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	540	60		mg/Kg	20	4/1/2021 5:10:21 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-7-E-C

Project: Richard Knob

Collection Date: 3/25/2021 9:11:00 AM

Lab ID: 2103C45-011

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/31/2021 12:12:22 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/31/2021 12:12:22 PM
Surr: DNOP	80.0	70-130		%Rec	1	3/31/2021 12:12:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/1/2021 6:35:00 AM
Surr: BFB	94.2	70-130		%Rec	1	4/1/2021 6:35:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	4/1/2021 6:35:00 AM
Toluene	ND	0.049		mg/Kg	1	4/1/2021 6:35:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/1/2021 6:35:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/1/2021 6:35:00 AM
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	4/1/2021 6:35:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	66	60		mg/Kg	20	4/1/2021 5:22:46 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2103C45

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW-8-N-C

Project: Richard Knob

Collection Date: 3/25/2021 9:15:00 AM

Lab ID: 2103C45-012

Matrix: SOIL

Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/31/2021 12:21:58 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/31/2021 12:21:58 PM
Surr: DNOP	103	70-130		%Rec	1	3/31/2021 12:21:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/1/2021 6:55:00 AM
Surr: BFB	91.6	70-130		%Rec	1	4/1/2021 6:55:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/1/2021 6:55:00 AM
Toluene	ND	0.047		mg/Kg	1	4/1/2021 6:55:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	4/1/2021 6:55:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	4/1/2021 6:55:00 AM
Surr: 4-Bromofluorobenzene	80.8	70-130		%Rec	1	4/1/2021 6:55:00 AM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	500	60		mg/Kg	20	4/1/2021 5:35:10 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103C45

02-Apr-21

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: MB-59125	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59125	RunNo: 76378								
Prep Date: 4/1/2021	Analysis Date: 4/1/2021	SeqNo: 2705293	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59125	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 59125	RunNo: 76378								
Prep Date: 4/1/2021	Analysis Date: 4/1/2021	SeqNo: 2705294	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	16	1.5	15.00	0	105	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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103C45

02-Apr-21

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: MB-59056	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59056	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703041 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	13		10.00		132	70	130			S

Sample ID: MB-59088	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59088	RunNo: 76336								
Prep Date: 3/31/2021	Analysis Date: 3/31/2021	SeqNo: 2703042 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.5		10.00		95.4	70	130			

Sample ID: LCS-59056	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59056	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703043 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	117	68.9	141			
Surr: DNOP	6.3		5.000		126	70	130			

Sample ID: LCS-59088	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59088	RunNo: 76336								
Prep Date: 3/31/2021	Analysis Date: 3/31/2021	SeqNo: 2703044 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		103	70	130			

Sample ID: 2103C45-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-9-C	Batch ID: 59056	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703045 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.6	47.98	0	93.2	15	184			
Surr: DNOP	5.1		4.798		106	70	130			

Sample ID: 2103C45-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-9-C	Batch ID: 59056	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703046 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.9	49.60	0	112	15	184	21.4	23.9	

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103C45

02-Apr-21

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: 2103C45-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: B-9-C	Batch ID: 59056	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703046			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.1		4.960		123	70	130	0	0	

Sample ID: MB-59071	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59071	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703502			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	70	130			

Sample ID: LCS-59071	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59071	RunNo: 76336								
Prep Date: 3/30/2021	Analysis Date: 3/31/2021	SeqNo: 2703503			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		103	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103C45

02-Apr-21

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: LCS-59040	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 59040			RunNo: 76370						
Prep Date: 3/29/2021	Analysis Date: 3/31/2021			SeqNo: 2704669		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1000		1000		105	70	130			

Sample ID: MB-59040	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 59040			RunNo: 76370						
Prep Date: 3/29/2021	Analysis Date: 4/1/2021			SeqNo: 2704670		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	930		1000		92.8	70	130			

Sample ID: 2103C45-001ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: B-9-C	Batch ID: 59040			RunNo: 76370						
Prep Date: 3/29/2021	Analysis Date: 4/1/2021			SeqNo: 2704672		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.41	0	94.3	61.3	114			
Surr: BFB	960		936.3		102	70	130			

Sample ID: 2103C45-001amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: B-9-C	Batch ID: 59040			RunNo: 76370						
Prep Date: 3/29/2021	Analysis Date: 4/1/2021			SeqNo: 2704673		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.79	0	93.0	61.3	114	0.195	20	
Surr: BFB	1000		951.5		105	70	130	0	0	

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2103C45

02-Apr-21

Client: Lucid Energy Delaware**Project:** Richard Knob

Sample ID: LCS-59040	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 59040		RunNo: 76370							
Prep Date: 3/29/2021	Analysis Date: 4/1/2021		SeqNo: 2704740		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.4	80	120			
Toluene	0.86	0.050	1.000	0	86.1	80	120			
Ethylbenzene	0.86	0.050	1.000	0	85.6	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.8	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.3	70	130			

Sample ID: MB-59040	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 59040		RunNo: 76370							
Prep Date: 3/29/2021	Analysis Date: 4/1/2021		SeqNo: 2704741		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	0.83		1.000		82.6	70	130			

Sample ID: 2103C45-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: B-10-C	Batch ID: 59040		RunNo: 76370							
Prep Date: 3/29/2021	Analysis Date: 4/1/2021		SeqNo: 2704744		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9872	0	84.6	76.3	120			
Toluene	0.86	0.049	0.9872	0	86.7	78.5	120			
Ethylbenzene	0.85	0.049	0.9872	0	86.2	78.1	124			
Xylenes, Total	2.5	0.099	2.962	0	85.1	79.3	125			
Surr: 4-Bromofluorobenzene	0.82		0.9872		83.5	70	130			

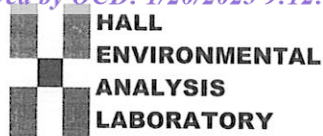
Sample ID: 2103C45-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: B-10-C	Batch ID: 59040		RunNo: 76370							
Prep Date: 3/29/2021	Analysis Date: 4/1/2021		SeqNo: 2704745		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	0.9872	0	81.5	76.3	120	3.74	20	
Toluene	0.82	0.049	0.9872	0	83.0	78.5	120	4.32	20	
Ethylbenzene	0.82	0.049	0.9872	0	82.8	78.1	124	4.00	20	
Xylenes, Total	2.4	0.099	2.962	0	81.6	79.3	125	4.24	20	
Surr: 4-Bromofluorobenzene	0.84		0.9872		84.9	70	130	0	0	

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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

Sample Log-In Check List

Client Name: Lucid Energy Delaware

Work Order Number: 2103C45

RcptNo: 1

Received By: Juan Rojas

3/26/2021 7:35:00 AM

Juan Rojas

Completed By: Cheyenne Cason

3/26/2021 8:37:59 AM

Reviewed By: *SG**3/26/21*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 $>0^{\circ}\text{C}$ 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:

IO
3/26/21

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good				



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

July 06, 2021

Michael Gant
Lucid Energy Delaware
201 South 4th St.
Artesia, NM 88210
TEL: (575) 513-8988
FAX

RE: Richard nop

OrderNo.: 2106E40

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/26/2021 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.13.N.C

Project: Richard nop

Collection Date: 6/24/2021 9:00:00 AM

Lab ID: 2106E40-001

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 6:37:15 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 6:37:15 PM
Surr: DNOP	47.4	70-130	S	%Rec	1	6/30/2021 6:37:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 5:04:16 PM
Surr: BFB	98.6	70-130		%Rec	1	7/2/2021 5:04:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 5:04:16 PM
Toluene	ND	0.048		mg/Kg	1	7/2/2021 5:04:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 5:04:16 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 5:04:16 PM
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	7/2/2021 5:04:16 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 5:36:43 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.14.W.C

Project: Richard nop

Collection Date: 6/24/2021 9:02:00 AM

Lab ID: 2106E40-002

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 7:01:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 7:01:34 PM
Surr: DNOP	43.6	70-130	S	%Rec	1	6/30/2021 7:01:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 5:27:52 PM
Surr: BFB	96.5	70-130		%Rec	1	7/2/2021 5:27:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 5:27:52 PM
Toluene	ND	0.049		mg/Kg	1	7/2/2021 5:27:52 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 5:27:52 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 5:27:52 PM
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	7/2/2021 5:27:52 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	63	60		mg/Kg	20	7/2/2021 5:49:08 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.15.W.C

Project: Richard nop

Collection Date: 6/24/2021 9:05:00 AM

Lab ID: 2106E40-003

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/30/2021 7:25:59 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 7:25:59 PM
Surr: DNOP	46.5	70-130	S	%Rec	1	6/30/2021 7:25:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 5:51:30 PM
Surr: BFB	96.7	70-130		%Rec	1	7/2/2021 5:51:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 5:51:30 PM
Toluene	ND	0.049		mg/Kg	1	7/2/2021 5:51:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 5:51:30 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/2/2021 5:51:30 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	7/2/2021 5:51:30 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 6:01:32 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.16.S.C

Project: Richard nop

Collection Date: 6/24/2021 9:10:00 AM

Lab ID: 2106E40-004

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/30/2021 7:50:15 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/30/2021 7:50:15 PM
Surr: DNOP	73.6	70-130		%Rec	1	6/30/2021 7:50:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 6:15:10 PM
Surr: BFB	97.7	70-130		%Rec	1	7/2/2021 6:15:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 6:15:10 PM
Toluene	ND	0.048		mg/Kg	1	7/2/2021 6:15:10 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 6:15:10 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 6:15:10 PM
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	7/2/2021 6:15:10 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 6:13:57 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.17.S.C

Project: Richard nop

Collection Date: 6/24/2021 9:13:00 AM

Lab ID: 2106E40-005

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 8:14:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 8:14:45 PM
Surr: DNOP	46.2	70-130	S	%Rec	1	6/30/2021 8:14:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 6:38:46 PM
Surr: BFB	98.1	70-130		%Rec	1	7/2/2021 6:38:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 6:38:46 PM
Toluene	ND	0.048		mg/Kg	1	7/2/2021 6:38:46 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 6:38:46 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 6:38:46 PM
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	7/2/2021 6:38:46 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	170	60		mg/Kg	20	7/2/2021 6:26:23 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.18.E.C

Project: Richard nop

Collection Date: 6/24/2021 9:15:00 AM

Lab ID: 2106E40-006

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/30/2021 8:38:57 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 8:38:57 PM
Surr: DNOP	60.3	70-130	S	%Rec	1	6/30/2021 8:38:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 7:02:20 PM
Surr: BFB	98.5	70-130		%Rec	1	7/2/2021 7:02:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 7:02:20 PM
Toluene	ND	0.050		mg/Kg	1	7/2/2021 7:02:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 7:02:20 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 7:02:20 PM
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	7/2/2021 7:02:20 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	120	60		mg/Kg	20	7/2/2021 6:38:48 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.19.E.C

Project: Richard nop

Collection Date: 6/24/2021 9:20:00 AM

Lab ID: 2106E40-007

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 9:03:21 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 9:03:21 PM
Surr: DNOP	49.6	70-130	S	%Rec	1	6/30/2021 9:03:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 7:25:56 PM
Surr: BFB	95.0	70-130		%Rec	1	7/2/2021 7:25:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 7:25:56 PM
Toluene	ND	0.050		mg/Kg	1	7/2/2021 7:25:56 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 7:25:56 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/2/2021 7:25:56 PM
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	7/2/2021 7:25:56 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	69	60		mg/Kg	20	7/2/2021 6:51:13 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: SW.20.N.C

Project: Richard nop

Collection Date: 6/24/2021 9:24:00 AM

Lab ID: 2106E40-008

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/30/2021 9:27:34 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2021 9:27:34 PM
Surr: DNOP	44.9	70-130	S	%Rec	1	6/30/2021 9:27:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 7:49:25 PM
Surr: BFB	96.8	70-130		%Rec	1	7/2/2021 7:49:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 7:49:25 PM
Toluene	ND	0.049		mg/Kg	1	7/2/2021 7:49:25 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 7:49:25 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 7:49:25 PM
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	7/2/2021 7:49:25 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 7:03:37 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B.21.N.C

Project: Richard nop

Collection Date: 6/24/2021 9:30:00 AM

Lab ID: 2106E40-009

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 9:52:00 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 9:52:00 PM
Surr: DNOP	62.6	70-130	S	%Rec	1	6/30/2021 9:52:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 8:59:57 PM
Surr: BFB	96.1	70-130		%Rec	1	7/2/2021 8:59:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 8:59:57 PM
Toluene	ND	0.049		mg/Kg	1	7/2/2021 8:59:57 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 8:59:57 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/2/2021 8:59:57 PM
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	7/2/2021 8:59:57 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	150	60		mg/Kg	20	7/2/2021 7:16:01 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B.22.S.C

Project: Richard nop

Collection Date: 6/24/2021 9:35:00 AM

Lab ID: 2106E40-010

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/30/2021 10:16:19 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/30/2021 10:16:19 PM
Surr: DNOP	55.6	70-130	S	%Rec	1	6/30/2021 10:16:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 9:23:28 PM
Surr: BFB	94.4	70-130		%Rec	1	7/2/2021 9:23:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 9:23:28 PM
Toluene	ND	0.048		mg/Kg	1	7/2/2021 9:23:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 9:23:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 9:23:28 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	7/2/2021 9:23:28 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	130	60		mg/Kg	20	7/2/2021 7:28:26 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B.23.S.C

Project: Richard nop

Collection Date: 6/24/2021 9:40:00 AM

Lab ID: 2106E40-011

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/30/2021 10:40:34 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/30/2021 10:40:34 PM
Surr: DNOP	61.4	70-130	S	%Rec	1	6/30/2021 10:40:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 9:46:55 PM
Surr: BFB	94.0	70-130		%Rec	1	7/2/2021 9:46:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 9:46:55 PM
Toluene	ND	0.049		mg/Kg	1	7/2/2021 9:46:55 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 9:46:55 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/2/2021 9:46:55 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	7/2/2021 9:46:55 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	130	60		mg/Kg	20	7/2/2021 8:05:41 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2106E40

Date Reported: 7/6/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware

Client Sample ID: B.24.N.C

Project: Richard nop

Collection Date: 6/24/2021 9:45:00 AM

Lab ID: 2106E40-012

Matrix: SOIL

Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/30/2021 11:04:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2021 11:04:49 PM
Surr: DNOP	42.9	70-130	S	%Rec	1	6/30/2021 11:04:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 10:10:23 PM
Surr: BFB	95.9	70-130		%Rec	1	7/2/2021 10:10:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 10:10:23 PM
Toluene	ND	0.048		mg/Kg	1	7/2/2021 10:10:23 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 10:10:23 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 10:10:23 PM
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	7/2/2021 10:10:23 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	140	60		mg/Kg	20	7/2/2021 8:18:06 PM

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	Value above quantitation range
	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 12 of 16

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2106E40
06-Jul-21

Client: Lucid Energy Delaware
Project: Richard nop

Sample ID: MB-61088	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 61088	RunNo: 79537
Prep Date: 7/1/2021	Analysis Date: 7/2/2021	SeqNo: 2798047 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-61088	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 61088	RunNo: 79537
Prep Date: 7/1/2021	Analysis Date: 7/2/2021	SeqNo: 2798048 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	15	1.5 15.00 0 97.8 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 Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106E40

06-Jul-21

Client: Lucid Energy Delaware**Project:** Richard nop

Sample ID: MB-61004	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61004			RunNo: 79496						
Prep Date: 6/29/2021	Analysis Date: 7/1/2021			SeqNo: 2794892	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8		10.00		77.6	70	130			

Sample ID: MB-61007	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 61007			RunNo: 79496						
Prep Date: 6/29/2021	Analysis Date: 6/30/2021			SeqNo: 2794893	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	9.6		10.00		95.8	70	130			

Sample ID: LCS-61004	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61004			RunNo: 79496						
Prep Date: 6/29/2021	Analysis Date: 7/1/2021			SeqNo: 2794894	Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.5		5.000		69.8	70	130			S

Sample ID: LCS-61007	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 61007			RunNo: 79496						
Prep Date: 6/29/2021	Analysis Date: 6/30/2021			SeqNo: 2794895	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	68.9	141			
Surr: DNOP	4.2		5.000		84.1	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106E40

06-Jul-21

Client: Lucid Energy Delaware**Project:** Richard nop

Sample ID: mb-61005	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797787 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	1000		1000		101	70	130			

Sample ID: lcs-61005	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797788 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.6	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: mb-61022	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61022	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/3/2021	SeqNo: 2797811 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.4	70	130			

Sample ID: lcs-61022	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61022	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797812 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106E40

06-Jul-21

Client: Lucid Energy Delaware**Project:** Richard nop

Sample ID: mb-61005	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797845 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		101	70	130			

Sample ID: LCS-61005	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797846 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.92	0.050	1.000	0	91.5	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

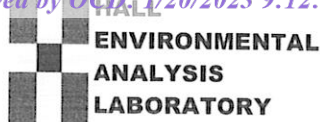
Sample ID: mb-61022	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61022	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/3/2021	SeqNo: 2797869 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: LCS-61022	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61022	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797870 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	70	130			

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Sample Log-In Check List

Client Name: Lucid Energy Delaware

Work Order Number: 2106E40

RcptNo: 1

Received By: Juan Rojas

6/26/2021 8:30:00 AM

Juan Rojas

Completed By: Cheyenne Cason

6/28/2021 8:07:13 AM

Cheyenne Cason

Reviewed By: SPA 6.28.21

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 $>0^{\circ}\text{C}$ 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: T.C. 6.28.21

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				
2	0.1	Good				

Chain-of-Custody Record		Turn-Around Time:
Client:	Lucid Energy	<input checked="" type="checkbox"/> 5 Days
		<input type="checkbox"/> Standard <input type="checkbox"/> Rush
Mailing Address:	on file	Project Name:
		Richard nop
Phone #:	3143307876	Project #:

Turn-Around Time:	<input checked="" type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush
Project Name:	Richard nap	
Project #:		

email or Fax#: mgovt@vaid-energy.com	Project Manager:
QA/QC Package:	Michael Cant
<input type="checkbox"/> Standard	
<input type="checkbox"/> Level 4 (Full Validation)	
Accreditation:	Sampler:
<input type="checkbox"/> Az Compliance	
<input type="checkbox"/> NELAC	On Ice: <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Other _____	
<input type="checkbox"/> EDD (Type)	# of Containers: 2

Project Manager:	<i>Michael Cant</i>	
Sampler:		
On Ice:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
# of Coilers:	<i>2</i>	

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Cooler Temp (including CF): 0.9-10.2 = 0.7 (°C)
5/24/01	0900	S	SW-13-N.C	402 Soil Jar	ICE	0-3-0.2 = 0.1 HEAL No. 2106E40
	0902		SW-14-W.C			0021
	0905		SW-15-W.C			0002
	0910		SW-16-S.C			0003
	0913		SW-17-S.C			0004
	0915		SW-18-E.C			0005
	0920		SW-19-E.C			0006
	0924		SW-20-N.C			0007
	0930		B-21-N.C			0008
	0935		B-22-S.C			0009
	0940		B-23-S.C			0010
	0945		B-24-N.C			0011

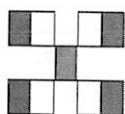
Cooler Temp (Including CP): 0.9-1.2 = 0.7 (°C)	Container Type and #	Preservative Type	HEAL No.
0-3-0.2 = 0.1	102 Soil Jar	FCE	2106 E40
			0021
			0002
			0003
			0004
			0005
			0006
			0007
			0008
			0009
			0010
			0011
			0012

Date:	Time:	Relinquished by:	Received by:	Via:	Date:	Time:	R
12/25/12	11:28	<i>[Signature]</i>	<i>[Signature]</i>		12/25/12		
12/25/12	1:00	<i>[Signature]</i>	<i>[Signature]</i>		12/25/12	1:30	

received by:	Via:	Date	Time
<i>[Signature]</i>		01/25/21	1128

received by:	Via:	Date	Time
<i>[Signature]</i>		01/26/21	1830

If necessary, samples submitted to Hail 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**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Remarks:

received by:	Via:	Date	Time
<i>[Signature]</i>		9/25/21	1128
received by:	Via:	Date	Time
<i>[Signature]</i>		10/26/21	18:30

received by:	Via:	Date	Time
<i>[Signature]</i>		9/25/21	1128
received by:	Via:	Date	Time
<i>[Signature]</i>		10/26/21	18:30



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

July 26, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: RICHARD KNOB

Enclosed are the results of analyses for samples received by the laboratory on 07/21/22 10:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 1 (0-.5) (H223189-01)

BTEX 8021B		mg/ kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56		
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2		
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54		
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72		
Total BTEX	<0.300	0.300	07/24/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 59.9 % 43-149

Surrogate: 1-Chlorooctadecane 66.3 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 2 (0-.5) (H223189-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56		
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2		
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54		
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72		
Total BTEx	<0.300	0.300	07/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 65.5 % 43-149

Surrogate: 1-Chlorooctadecane 75.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 3 (0-.5) (H223189-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56		
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2		
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54		
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72		
Total BTX	<0.300	0.300	07/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 64.0 % 43-149

Surrogate: 1-Chlorooctadecane 68.7 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 4 (0-.5) (H223189-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56		
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2		
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54		
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72		
Total BTEx	<0.300	0.300	07/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 43-149

Surrogate: 1-Chlorooctadecane 80.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 5 (0-.5) (H223189-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56		
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2		
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54		
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72		
Total BTEx	<0.300	0.300	07/24/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 43-149

Surrogate: 1-Chlorooctadecane 78.5 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 07/21/2022
 Reported: 07/26/2022
 Project Name: RICHARD KNOB
 Project Number: KH227001
 Project Location: DURANGO MIDSTREAM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 5 (2-3) (H223189-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2022	ND	2.03	102	2.00	9.56	
Toluene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	10.2	
Ethylbenzene*	<0.050	0.050	07/24/2022	ND	2.08	104	2.00	9.54	
Total Xylenes*	<0.150	0.150	07/24/2022	ND	6.33	106	6.00	9.72	
Total BTX	<0.300	0.300	07/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/25/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	220	110	200	0.757	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	223	112	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 43-149

Surrogate: 1-Chlorooctadecane 79.0 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Appendix F – INITIAL 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	NRM2033835509
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Lucid Artesia Company	OGRID	147831
Contact Name	Michael Gant	Contact Telephone	3143307876
Contact email	MGant@lucid-energy.com	Incident # (assigned by OCD)	
Contact mailing address	201 South 4th Street		

Location of Release Source

Latitude 32.793415° Longitude -104.575991°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Richard Knob 6" release	Site Type	Natural gas gathering system
Date Release Discovered	11/20/2020	API# (if applicable)	

Unit Letter	Section	Township	Range	County
G	34	17S	24E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: New Mexico State Land Office)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 5086 MCF	Volume Recovered (Mcf) 0 MCF
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release The release was caused by corrosion in the pipe which led to a pinhole leak forming on the bottom of the pipe. The large volume lost was due to the timeline of the leak which began approximately in early September 2020.

Incident ID	NRM2033835509
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release due to the total lost volume of natural gas of >500 MCF.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was provided to OCD District 2, Jim Griswold, and NMSLO via email on 11/24/2020 once the volume calculations were reported.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Michael Gant</u>	Title: <u>Environmental Coordinator</u>
Signature: <u></u>	Date: <u>11/24/2020</u>
email: <u>MGant@lucid-energy.com</u>	Telephone: <u>3143307876</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Please submit this form by the 5th business day of the month following the month the vent/blowdown occurred. Please submit a separate form for each site. All sections should be filled out by field personnel. **All red fields per event must be entered to calculate volumes correctly!** **All yellow fields should be entered if known for increased accuracy.**

Month Blowdown Occurred	November	Year	2020
Site	AP-Four Dinkus	Employee Name	Frankie Soto

Known (Station) Volumes

All red fields per event must be entered to calculate volumes correctly! All yellow fields should be entered if known for increased accuracy.

Type of Blowdown	Number of Occurrences	Known Volume (MCF) Blowdown	Volume (MCF)
	Multiplied by		
	Multiplied by		
	Multiplied by		

Calculated (Pipeline) Volumes

Blowdown(s)				Purge/Vent			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	5,086.91
Pipe ID (in)		Length (Feet)		Beginning Date & Time	09/01/2020 09:00	Vent Duration (Hours)	1,920.00
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time	11/20/2020 09:00	Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)	6in Sch. 40	Specific Gravity	
Elevation (ft)				Orifice Size (in)	0.25	Elevation (ft)	
				Avg Pressure	34.00		
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			
Reference Meter Number		Blowdown (MCF)		Reference Meter Number		Volume Lost (MCF)	
Pipe ID (in)		Length (Feet)		Beginning Date & Time		Vent Duration (Hours)	
Begin Press. (PSIG)		End Press. (PSIG)		Ending Date & Time		Gas Temp	
Gas Temp.		Specific Gravity		Pipe ID (in)		Specific Gravity	
Elevation (ft)				Orifice Size (in)		Elevation (ft)	
				Avg Pressure			

Total Volume (MCF): 5,086.91

Comments:

ered on Richard Knob lateral. This leak appears to have started very small and not noticeable and increased to a noticeable pre

APPENDIX G – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, Durango Midstream LLC, as reflected in our proposal.

Additional Scope Limitations

The development of this Amended RAP is based upon information provided by the Client and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by the Client. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Durango Midstream LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Durango Midstream LLC and Terracon. Any unauthorized distribution or reuse is at Durango Midstream LLC sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Durango Midstream LLC and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Durango Midstream LLC and all relying parties unless otherwise agreed in writing.

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 177886

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 177886
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/24/2023