Received by OCD: 1/20/2023 9:12:33 AMate of New MexicoPage 6Oil Conservation Division

	Page 1 of 11
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: <u>Amber Groves</u>	Title: <u>Sr. Environmental Specialist</u>	
Signature:	Date: <u>9/27/2022</u>	
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>	
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></agroves@durangomidstream.com>
Sent:	Thursday, January 19, 2023 3:11 PM
То:	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 I tems

#### 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.



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

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

### TABLE OF CONTENTS

Incident Information	2
General Site Characteristics	3
Regulatory Framework and Response Action Levels	4
Soil Investigation Discussion	5

Attachments:

Appendix A – Exhibits

- Exhibit 1 Topo Map
- Exhibit 2 Site Map
- Exhibit 3 Confirmation Soil Sampling Map
- Exhibit 4 NMOSE POD Location Map
- Exhibit 5 Designated Wetland Areas
- Exhibit 6 Cave Karst Public UCP Map
- Appendix B Supplemental Figures from Lucid Energy
- Appendix C Tables, Procedures, and Figures
  - Table 1 Soil Sample Analytical Results
- Appendix D Photographic Log
- Appendix E Analytical Report and Chain of Custody
- Appendix F Initial Form C-141
- Appendix G Terracon Standard of Care, Limitation, and Reliance



### 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.MichaelP: (314) 330-7876GantE: mgrant@lucid-energy.com						
NMOCD Notification	Notice of the release was p Michael Gant on Novembe	provided to the NMOCD District 2 Artesia Office by r 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, disco	vered 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 gab adjacent to the Richard Kr	gas release occurred in open native pastureland nob 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 ger 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.						



	General Site Characteristics
Remedial Determining Information	Site Ranking Characteristics
Groundwater NMOSE POD Location Map – (Exhibit 4 in Appendix A)	POD Number:(RA-07252-POD1)Depth to Groundwater:290 ft. bgsDistance to Well:1.71 miles to the northeastDate Drilled:December 2, 1984Groundwater Quality:Groundwater quality at the site is predominately usedfor livestock production.
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 gravely loam, 9 to 13 inches gravely loam, 13 to 21 inches cemented, and 21 to 60 inches very gravely 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.



#### 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



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 Iand. 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-

Responsive Resourceful Reliable



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 June24, 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



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

Received by OCD: 1/20/2023 9:12:33 AM

### Legend

11.23.2020 Excavation Area Depth 2-3ft

Page 20 of 118

Feature 1

Richard knob 6

SW-4-N-C

SW-3-W-C SW-5-E-C

SW-2-W-CB-8-S-C

SW-6-E-C

SW-1-S-C







## 6.24.2021 Site Map

Received by OCD: 1/20/2023 9:12.

Legend

90 fl

6/2021 Excavation Area ()

Page 23 of 118

3 Feature 1

Richard knob 6 SW-13-N-C

SW-20-N-C SW-14-W-C

B-24-N-C SW-19-E-C

SW-15-W-C

B-22-S-C B-23-S-C SW-16-S-C

B-21-N-C

SW-18-E-C

SW-17-S-C

Google Earth

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

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GENER	A OR: COPIES 1 & 6	DISP	OSAL SITE	E: COPIES 2 & 3			TRANSP	ORTERS: (	COPIES 4 & 5			
			COP	¥ 1								

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (573) 24/2021

	1300 WEST MAIN ST			<b>ND, LLC</b> CITY, OK 73106 • P	HONE (4	405) 236-	4257	RG		
NOM	N-HAZARDOUS WASTE MANIF	EST N	io <b>14</b>	2296	1. PA	GEOI	F 2. TRAIL	ER NO.	702	
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRES 326 W. C	SS	T U		5.	PICK-UP DATE 3/24/2021			
U	PHONE NO.	CITY		STATE		ZIP 6.	TNRCC I.D. NO			
Е	(575) 810-6021	Artesia		N.M.	882	10				
Ľ	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:			8. CON No.	TAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
N	Ñon-Regulated, Non Hazardous Waste	2			1	СМ				
	b.									
E	c.									
R	MT: 35D8D 35	5600	)							
	12. COMMENTS OR SPECIAL INSTRUCTIONS:						13. WASTE P	ROFILE N	0.	
Α	RICHARD KNOB (AEX STATE #1)		le	ia 7DU	XD					
	14. IN CA	SE OF E	and the second se	ENCY OR SPIL	L, COM	NTACT		EMERGE	NCY NO	
Т				5			24-110010	LMLROL		
0	UCE ONTIVEROS         575-887-4048           15.GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by pr 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, I							pplicable		
R	PRINTED/TYPED NAME			SIGNATURE			50/10/5-		DATE	
	CO. MAN: MIKE GANT						4			
T R	16. <b>TRANSPORTER (1)</b>			17.	TF	RANSP	ORTER (2)			
A R	NAME: BDS ENTERPRISE	S		NAME:						
N S	TEXAS I.D. NO.	<u></u>		TEXAS I.D. NO.						
Р	IN CASE OF EMERGENCY CONTACT:	AN STEV	ENS	IN CASE OF EME	RGENC	Y CONTA	ACT:			
O R	EMERGENCY PHONE: (575) 18. TRANSPORTER (1): Acknowledgment	302-8498	3	EMERGENCY PH		( <b>1</b> ). A also			atarial	
T E	18. IKANSPORIER (1): Acknowledgment		naterial	19. TRANSPOI					aterial	
R	PRINTED/TYPED NAME Fringing	JIJA I		PRINTED/TYPED	NAME			- 867 - I		
S	SIGNATURE Acinaudo D.	DATE	3/24/2	02 <sup>5</sup> I <sup>GNATURE</sup>			D	ATE		
		ADDRES		N 1 24 Y	0 17	COL	PHONE:	5 <b>7</b> 5 00	7 40 40	
DF	Lea Land, LLC			Marker 64, U. files East of Ca			80,	5/5-88	7-4048	
I A	PERMIT NO.	1	50 10	20. COMMENTS	113040	P TATAT				
S C P I	WM-01-035 - New Mex	tico								
OL SI AT	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		Hereby c	ertify that the above d	escribed	wastes we	ere delivered to th	is facility,	that the	
LY	AUTHORIZED SIGNATURE	YOD	17	CELL NO.		DAT	re <b>3/24/2021</b>		ME, 30	
GENER	ATOR: COPIES 1 & 6	DISPOS	SAL SITE	: COPIES 2 & 3			TRANSP	ORTERS: (	COPIES 4 & 5	
			COP							

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## LEA LAND DISPOSAL SITE NEW MEXICO

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

	1300 WEST MAIN ST			<b>ND, LLC</b> (ity, ok 73106 • F	PHONE (4	405) 236	-4257	60	ld.	Spear
NON	-HAZARDOUS WASTE MANIF	EST	NO 14	2297	1. PA	GEO	F	2. TRAIL	ER NO.	04
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDI 326 W	ress /. Quay			5	PICK 3/2	-UP DATE 4/2021		
	PHONE NO.	CITY		STATE		ZIP 6	TNRC	CC I.D. NO	- 1- 0/	
E	(575) 810-6021	Artesia	3	N.M.	882					
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:			8. CON No.	TAINER Type		TOTAL ANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
Ν	Non-Regulated, Non Hazardous Waste	)			1	СМ				
	b.									
E	c.		d							
R	WT: 37320 385	58D								
	12. COMMENTS OR SPECIAL INSTRUCTIONS:				$\sim$	_	13.	WASTE P	ROFILE N	0.
Α	RICHARD KNOB (AEX STATE # 1)			TO 75	YX	)				
	14. IN CA	SE OF		ENCY OR SPIL	L, COI	NTACT		24-HOUR	EMERGE	NCY NO.
Т	JOE ONTIVEROS	575	-887-404	В						
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, and international and national government regulations, in	I Hereby d labeled,	declare that and are in al	the contents of this co l respects in proper co	ndition fo	or transpo	rt by hi	ighway acc	ording to a	oplicable
R	PRINTED/TYPED NAME	SIGNATURE						DATE		
	CO. MAN: MIKE GANT									
T	16. <b>TRANSPORTER (1)</b>			17.	TF	RANSP	ORT	ER (2)		
R A	NAME: BDS ENTERPRISE	S		NAME:						
N S	TEXAS I.D. NO.	-		TEXAS I.D. NO.						
Р	IN CASE OF EMERGENCY CONTACT:	AN STE	EVENS	IN CASE OF EME	RGENC	Y CONT.	ACT:			
O R	EMERGENCY PHONE: (575) 18. TRANSPORTER (1): Acknowledgment of	302-84	198	EMERGENCY PH 19. TRANSPOI		( <b>7</b> ). A al	novilad	lamont of r		atorial
T E										aterial
R	PRINTED/TYPED NAME	100	emil	PRINTED/TYPED	NAME					
S	SIGNATURE Lan lan	DATE	3/24/2	021GNATURE				D	ATE	
		ADDI						PHONE:		
DF	Lea Land, LLC			Marker 64, U. Ailes East of Ca		~	80,		575-88	7-4048
ΙΑ	PERMIT NO.		50 N	20. COMMENTS	11150a0	L, INIVI				
S C P I	WM-01-035 - New Mex	ico								
O L S I A T	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such w		I Hereby c	ertify that the above d	lescribed	wastes w	ere del	ivered to th	is facility,	that the
LY	AUTAORIZED SIGNATURE	$n_{4}$	2007	CELL NO.		DA		4/2021		ME, 10
GENER	ATOR: COPIES 1 & 6	DIS	POSAL SITE	E: COPIES 2 & 3				TRANSP	ORTERS: (	COPIES 4 & 5

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

	1300 WEST MAIN S		LAND, LLC	PHONE	(405) 236-42:	57	3D.	S	
NON	N-HAZARDOUS WASTE MANIF	TEST NO	142298	1. PA	GE_OF_	_ 2. TRAII	LER NO.	54	
G	3. COMPANY NAME Lucid Energy Delaware LLC	320 WREES			5. P <b>g</b>	9 <b>54/2021</b> E			
E	PHONE NO. (575) 810-6021	CITY <b>Artesia</b>	STATE N.M.	882		INRCC I.D. NO.			
	7. NAME OR DESCRIPTION OF WASTE SHIPPI	ED:		8. CON No.	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
Ν	Non-Regulated, Non Hazardous Wast	e		1	CM				
	b.	att							
E	c.		71			· · · · <b>=</b> · · · ·			
R	WT: 341780 3M	134D							
	12. COMMENTS OR SPECIAL INSTRUCTIONS		MEIN	T		13. WASTE P	ROFILE N	O.	
A	RICHARD KNOB (AEX STATE # 1)		I@ '15. I'A ERGENCY OR SPI	$\mathcal{D}$					
Т	14. IN CA NAME	PHONE NO	LINGENUY UK SPIL	LL, CU	NIAUI	24-HOUR	EMERGE	NCY NO.	
	JOE ONTIVEROS	575-887	AND THE PARTY OF T					1.00	
0	0 15.GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by pr 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,								
R	PRINTED/TYPED NAME	SIGNATURE					DATE		
	CO. MAN: MIKE GANT								
T R	16. <b>TRANSPORTER (1)</b>		17.	TI	RANSPOF	RTER (2)			
A N	NAME: BDS ENTERPRISE	S	NAME:						
S	TEXAS I.D. NO.		TEXAS I.D. NO.	FRAEMA		-			
P O	EVED CENCY BUONE	AN STEVEN	ENERGENOV		Y CONTACT				
R T	18. TRANSPORTER (1): Acknowledgment	302-8498 of receipt of mate	EMERGENCY Plential 19. TRANSPO		(2): Acknow	ledgment of r	eceipt of m	aterial	
E		re [ wel	PRINTED/TYPE	D NAME					
R S	SIGNATURE Anna Caller	DATE 3/	24/2029 GNATURE			D	ATE		
		ADDRESS:				PHONE:			
DF	Lea Land, LLC	1	Mile Marker 64, U		•	,	575-88	7-4048	
ΙΑ	PERMIT NO.		30 Miles East of C	arisbad	1, NM				
S C P I	WM-01-035 - New Mex	tico							
O L S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		reby certify that the above	described	wastes were	delivered to th	is facility, t	hat the	
LY	AUTHORIZED SIGNATURE	nzalo	CELL NO.		DATE 3	/24/2021	TIN	ae, 45	
GENER	ATOR: COPIES 1 & 6		. SITE: COPIES 2 & 3			TRANSP	ORTERS: O	COPIES 4 & 5	
			COPY 1						

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### **DISPOSAL SITE NEW MEXICO** LEA LAND

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

	1300 WEST MAIN ST			<b>ND, LLC</b> A CITY, OK 73106 • F	PHONE (	405) 23	6-4257	F	3 Di	Ĉ	
NON	-HAZARDOUS WASTE MANIF	EST	NO 14	2323	1. PA	GE	OF	2. TRAIL	ER NO.	5D	
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDI 326 W	RESS . Quay				5. PICI 3/	C-UP DATE			
	PHONE NO.	CITY		STATE		ZIP	6. TNR	INRCC I.D. NO.			
Е	(575) 810-6021	Artesia	Э	N.M.	882	10					
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:			8. CON No.	TAINE Typ		. TOTAL UANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
Ν	Non-Regulated, Non Hazardous Waste	5			1	CM					
	b.										
E	c.										
R	WT: 34280										
	12. COMMENTS OR SPECIAL INSTRUCTIONS:						13	. WASTE P	ROFILE N	O.	
A	RICHARD KNOB (AEX STATE # 1)										
	14. IN CA NAME	SE OF		ENCY OR SPIL	L, CO	NTAC	T	24-HOUR	EMERGE	NCY NO.	
Т	JOE ONTIVEROS	575	-887-404	8							
0	15. <b>GENERATOR'S CERTIFICATION:</b> I Hereby declare that the contents of this consignment are fully and accurately described above by 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								pplicable		
R	PRINTED/TYPED NAME			SIGNATURE						DATE	
	CO. MAN: MIKE GANT										
T R	16. <b>TRANSPORTER (1)</b>			17.	TI	RANS	PORT	<b>TER (2)</b>			
Α	NAME: BDS ENTERPRISE	S		NAME:							
N S	TEXAS I.D. NO.			TEXAS I.D. NO.							
Р	IN CASE OF EMERGENCY CONTACT: BRI.	AN ST	EVENS	IN CASE OF EME	RGENC	Y CON	TACT:				
O R	EMERGENCY PHONE: (575) 18. TRANSPORTER (1): Acknowledgment of	302-84	of material	EMERGENCY PH		(2): A	cknowle	dgment of r	eceipt of m	aterial	
T E	PRINTED/TYPED NAME TONRED		R	PRINTED/TYPED				_	-		
R S	- ATTAIN										
	SIGNATURE KOMOM LUNY	DATE	3/24/2	02 <sup>4</sup> GNATURE				D	ATE		
	Lea Land, LLC	ADDI	RESS: Mile	e Marker 64, U.	с Цлу	N 62	180	PHONE:	575-88	7-4048	
DF	Lea Land, LLC			Ailes East of Ca		-			575-00	/	
I A S C	PERMIT NO.	1		20. COMMENTS							
ΡΙ	WM-01-035 - New Mex	tico									
O L S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		I: I Hereby o	ertify that the above of	lescribed	wastes	were de	livered to th	is facility,	that the	
LY	AUTAORIZED SIGNATURE	$\wedge$		CELL NO.	-	E	ATE		TI	ME 4D	
	L'Antes Lonz	alt	7				3/2	24/2021	1	2'	
GENER	ATOR: COPIES 1 & 6	DIS		E: COPIES 2 & 3				TRANSP	ORTERS: (	COPIES 4 & 5	
			COP	Y 1							

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

	1300 WEST MAIN ST			<b>ND, LLC</b> . CITY, OK 73106 •	PHONE (	405) 23	6-4257	12	$D^{\leq}$	6
NOI	N-HAZARDOUS WASTE MANIF	EST NO	• 14	2326	1. PA	GE(	OF	2. TRAIL	ER NO.	35
G	3. COMPANY NAME Lucid Energy Delaware LLC	4 ADDRESS 326 W. Q					5. PICK <b>3/2</b>	-UP DATE 4/2021		
	PHONE NO.	CITY		STATE			6. TNR(	CC I.D. NO		
E	(575) 810-6021 7. NAME OR DESCRIPTION OF WASTE SHIPPE	Artesia		N.M.	882		RS 9.	TOTAL	10. UNIT	11. TEXAS
					No.	Type CM	$\rightarrow$	JANTITY	Wt/Vol.	WASTE ID #
N	Non-Regulated, Non Hazardous Waste	-			4					
Е										
	c.									
R	WT:35880									
	12. COMMENTS OR SPECIAL INSTRUCTIONS:						13.	WASTE P	ROFILE N	Ο.
A	RICHARD KNOB (AEX STATE #1)									
Т	I4. IN CA	PHONE NO		ENCY OR SPII	LL, COI	NTAC	T	24-HOUR	EMERGE	NCY NO.
L 1	JOE ONTIVEROS	575-88	37-4048	3						
0	15. <b>GENERATOR'S CERTIFICATION:</b> shipping name and are classified, packed, marked, an international and national government regulations, in	d labeled, and	are in all	respects in proper co	ondition fo	or transp	ort by h	ighway acc	ording to ap	pplicable
R	PRINTED/TYPED NAME			SIGNATURE						DATE
and the second se	CO. MAN: MIKE GANT									
T R	16. <b>TRANSPORTER (1)</b>			17.	TF	RANS	PORT	ER (2)		
A N	NAME: BDS ENTERPRISE	<u>S</u>		NAME:						
S	TEXAS I.D. NO.			TEXAS I.D. NO.						
P O	IN CASE OF EMERGENCY CONTACT:	AN STEVE	ENS	IN CASE OF EMI		Y CON	IACI:			
R T	EMERGENCY PHONE: (575) 18. TRANSPORTER (1): Acknowledgment of	<b>302-0498</b> of receipt of m	naterial	EMERGENCY PH 19. TRANSPO		( <b>2</b> ): Ac	knowled	lgment of r	eceipt of m	aterial
E R	PRINTED/TYPED NAME	-6		PRINTED/TYPEI	D NAME					
S	SIGNATURE Providence	DATE	3/24/2	29 GNATURE				D	ATE	
		ADDRESS						PHONE:		
DF	Lea Land, LLC			Marker 64, U liles East of C		*			575-88	7-4048
I A S C	PERMIT NO.			20. COMMENTS	<u>a1150au</u>	L, INIVI				
ΡΙ	WM-01-035 - New Mex	ico								
O L S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such w		Hereby ce	ertify that the above of	described	wastes	were del	ivered to th	is facility, t	that the
L Y	AUTAORIZED SIGNATURE	7000	M.	CELL NO.	/	D	ATE 3/2	4/2021	TIN	ие, 50 2.
GENER	ATOR: COPIES 1 & 6	DISPOS	AL SITE	: COPIES 2 & 3				TRANSP	ORTERS: (	COPIES 4 & 5
			COP	(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	42332	1. PA	GEOF_	_ 2. TRAIL	ER NO.	35			
G	3. COMPANY NAME 4. ADDRESS Lucid Energy Delaware LLC 326 W. Quay	3			ICK-UP DATE 3/25/2021					
	PHONE NO.	STATE	:	ZIP 6. T	NRCC I.D. NO					
E	(575) 810-6021 Artesia	N.M.	<b>882</b>	10 TAINERS	9. TOTAL	10. UNIT	11. TEXAS			
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		No.	Туре	QUANTITY	Wt/Vol.	WASTE ID #			
N	Non-Regulated, Non Hazardous Waste		1	СМ						
E	с.									
R	<b>*</b> T: $39120$ $37480$				13. WASTE P					
A		TO M	1/0/	m	IS. WASTE PI	ROFILE N	0.			
Α	RICHARD KNOB (AEX STATE # 1) 14. IN CASE OF EMER	GENCY OR SPIL	L, CON	<u>/////</u> NTACT						
Т	NAME PHONE NO				24-HOUR	EMERGE	NCY NO.			
0	15.GENERATOR'S CERTIFICATION: I Hereby declare t shipping name and are classified, packed, marked, and labeled, and are i international and national government regulations, including applicable	hat the contents of this contents in proper co	ndition fo	or transport l	by highway acc	ording to a	pplicable			
R	PRINTED/TYPED NAME	SIGNATURE					DATE			
	CO. MAN: MIKE GANT									
T R	16. TRANSPORTER (1)	17.	TF	RANSPO	RTER (2)					
A N	NAME: <b>BDS ENTERPRISES</b> TEXAS I.D. NO.	NAME: TEXAS I.D. NO.								
S P	IN CASE OF EMERGENCY CONTACT	IN CASE OF EME	RGENCY	Y CONTAC	T:					
O R	EMERGENCY PHONE:	EMERGENCY PH								
Т	18. TRANSPORTER (1): Acknowledgment of receipt of materi	al 19. <b>TRANSPO</b>	RTER (	(2): Acknow	wledgment of r	eceipt of m	aterial			
E R	PRINTED/TYPED NAME Jog LOCK	PRINTED/TYPED	D NAME .							
S	SIGNATURE AND DATE 3/2	5/2029 GNATURE			D	ATE				
	Lea Land, LLC M	ile Marker 64, U.	S Huy	v 62/180	PHONE:	575.88	7-4048			
DF		Miles East of Ca		<i></i>	,	575-88	/-4040			
I A S C P I	PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS								
OL SI AT	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I Here facility is authorized and permitted to receive such wastes.	by certify that the above of	lescribed	wastes were	delivered to th	is facility,	that the			
LY	AUTHORIZED SIGNATURE	CELL NO.		DATE	3/25/2021		ME OD			
GENER		ITE: COPIES 2 & 3			TRANSP	ORTERS:	COPIES 4 & 5			
	C	OPY 1								

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

	1300 WEST MAIN ST		HOMA CITY, OK 73106 • 1	PHONE (	(405) 23	36-4257	ſ	300	5	
NON	N-HAZARDOUS WASTE MANIF	EST NO	142333	1. PA	GE	OF	2. TRAIL	.ER NO.	50	
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Qu		1			UP DATE			
0	PHONE NO.	CITY	STATE		ZIP 6. TNRCC I.D. NO.					
Е	(575) 810-6021	Artesia	N.M.	882	210					
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ED:		8. CON No.	ITAINE		. TOTAL JANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
N	Non-Regulated, Non Hazardous Waste		1	CM	_					
	b.									
E	с.			1						
R	WT:3844D 346	DeD								
	12. COMMENTS OR SPECIAL INSTRUCTIONS:					13	WASTE P	ROFILE N	0.	
Α	RICHARD KNOB (AEX STATE # 1)		TR ME	5.50	$\widehat{\mathcal{D}}$					
			ERGENCY OR SPIL	L, CO	NTAC	T	24 110117	EL (ED CE)		
Т	NAME	PHONE NO	1010				24-HOUR	EMERGE	NCY NO.	
0	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 prosping 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, I								pplicable	
R	PRINTED/TYPED NAME SIGNATURE								DATE	
	CO. MAN: MIKE GANT									
T R	16. <b>TRANSPORTER (1)</b>		17.	TI	RANS	PORT	<b>TER (2)</b>		÷	
A	NAME: BDS ENTERPRISE	s	NAME:							
N S	TEXAS I.D. NO.	<u>, m, </u>	TEXAS I.D. NO.							
Р	IN CASE OF EMERGENCY CONTACT:	AN STEVEN	IN CASE OF EMP	ERGENC	Y CON	TACT:				
O R	EMERGENCY PHONE		EMERGENCY PH		(2)		1			
Т	18. TRANSPORTER (1): Acknowledgment		erial 19. <b>TRANSPO</b>	KIEK	(2): A	cknowle	dgment of r	eceipt of m	aterial	
E R	PRINTED/TYPED NAME DON RUDK	ula	PRINTED/TYPEI	D NAME						
S	SIGNATURE From Kent	DATE	25/202 GNATURE				D	ATE		
		ADDRESS:					PHONE:			
DF	Lea Land, LLC	1	Mile Marker 64, U		Ψ.			575-88	7-4048	
ΙΑ	DEDIVITIO		30 Miles East of Ca	arlsbac	1, NM	1				
S C P I	WM-01-035 - New Mex	tico	20. COMMENTS							
O L S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such	CATION: I He wastes.	reby certify that the above of	described	wastes	were de	livered to th	is facility,	that the	
LY	AUTHORIZED SIGNATURE	Falet	CELL NO.	_	D	ATE 3/2	25/2021	TI	8.45	
GENER	ATOR: COPIES I & 6		. SITE: COPIES 2 & 3 COPY 1				TRANSP	ORTERS: (	COPIES 4 & 5	

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

	1300 WEST MAIN ST		ND, LLC 1A CITY, OK 73106 •	PHONE (	405) 236-4	257	old	Spee
NO	N-HAZARDOUS WASTE MANIF	TEST NO 1	42334	1. PA	.GEOF_	2. TRAII	LER NO.	04
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Quay			5. F	PICK-UP DATE 3/25/2021	2	
	PHONE NO.	CITY	STATE		ZIP 6. T	NRCC I.D. NO	),	
E	(575) 810-6021	Artesia	N.M.	882		9. TOTAL	10 IDUT	11 TEVAC
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ED:		No.	TAINERS Type	9. IOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N	Non-Regulated, Non Hazardous Waste	2		1	СМ			
E	b. c.							
D	WT: UN427							
R	12. COMMENTS OR SPECIAL INSTRUCTIONS:					13. WASTE P	ROFILE N	0.
Α	RICHARD KNOB (AEX STATE # 1)							
т	14. IN CA NAME	SE OF EMERO PHONE NO	GENCY OR SPIL	L, CO	NTACT	24-HOUR	EMERGE	NCY NO.
1	JOE ONTIVEROS	575-887-40	48					
0	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper							
R	PRINTED/TYPED NAME					DATE		
	CO. MAN: MIKE GANT							
Т	16. TRANSPORTER (1)		17.	TF	RANSPO	RTER (2)		
R A	NAME: BDS ENTERPRISE	.e	NAME:					
N	TEXAS I.D. NO.	2	TEXAS I.D. NO.					
S P	IN CASE OF EMERGENCY CONTACT:	AN STEVENS	IN CASE OF EME	ERGENC	Y CONTAC	CT:		
O R	EMERGENCY PHONE		EMERGENCY PH					
T	18. TRANSPORTER (1): Acknowledgment	of receipt of material	19. <b>TRANSPO</b>	RTER (	(2): Ackno	wledgment of	receipt of m	aterial
E R	PRINTED/TYPED NAME	s Gupen	PRINTED/TYPE	) NAME				-
S	SIGNATURE	DATE 3/25	202 <sup>6IGNATURE</sup>			Ľ	DATE	
		ADDRESS:				PHONE:		
DF	Lea Land, LLC		le Marker 64, U.		*	0,	575-88	7-4048
I A			Miles East of Ca	arisbac	I, INM			
S C P I	WM-01-035 - New Mex	tico	20. COMMENTS					
O L S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		certify that the above of	described	wastes wer	e delivered to tl	his facility,	that the
L Y	AUTHORIZED SIGNATURE	n7004	CELL NO.		DATE	3/25/2021	TIP IC	ME OO
GENER	ATOR: COPIES I & 6	DISPOSAL SI	TE: COPIES 2 & 3			TRANSF	ORTERS:	COPIES 4 & 5
		CO	PY 1					

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

	1300 WEST MAIN ST			<b>ND, LLC</b> A CITY, OK 73106 • 1	PHONE (	405) 2.	36-4257	$\bigcirc$	RI	G	
NON	-HAZARDOUS WASTE MANIF	EST	NO 14	2344	1. PA	.GE	OF	2. TRAIL	.ER NO.	702	
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDI 326 W	ress 7. Quay		1		5. PICK <b>3/2</b>	-UP DATE 2 <b>5/2021</b>			
G	PHONE NO.	CITY		STATE		ZIP	6. TNR	CC I.D. NO			
E	(575) 810-6021	Artesi	Э	N.M.	882	210					
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:			8. CON No.	TAINE Typ		. TOTAL JANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
Ν	Non-Regulated, Non Hazardous Waste	5			1	CN	1				
	b.										
E	c.										
R	WT: 40580										
	12. COMMENTS OR SPECIAL INSTRUCTIONS:						13	. WASTE P	ROFILE N	0.	
Α	RICHARD KNOB (AEX STATE # 1)			···					Harr		
	14. IN CA	SE OF		ENCY OR SPIL	LL, CO	NTAC	CT	24-HOUR	EMERGE	NCY NO.	
Т	JOE ONTIVEROS	575	5-887-404	8							
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	d labeled,	and are in al	l respects in proper co	ondition fo	or trans	port by l	ighway acc	ording to a	pplicable	
R	PRINTED/TYPED NAME			SIGNATURE	1128					DATE	
	CO. MAN: MIKE GANT										
T R	16. TRANSPORTER (1)			17. TRANSPORTER (2)							
Α	NAME: BDS ENTERPRISE	S		NAME:							
N S	TEXAS I.D. NO.			TEXAS I.D. NO.							
P O	IN CASE OF EMERGENCY CONTACT:	AN ST	EVENS	IN CASE OF EMP	ERGENC	Y CON	TACT:				
R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	302-80	198 of material	EMERGENCY PH 19. TRANSPO		(2): A	cknowle	dgment of r	eceipt of m	aterial	
T E		Oùa		PRINTED/TYPEI							
R S	SIGNATURE ) EARING A. A.	DATE		O2IGNATURE					ATE		
<u> </u>	SIGNATURE THE A		3/25/2 RESS:	021 GNATORE		_		PHONE:			
	Lea Land, LLC			Marker 64, U	.S. Hw	ry 62	/180,	THONE:	575-88	7-4048	
D F I A			30 N	liles East of C	arlsbac	<u>1, NN</u>	1				
S C P I	PERMIT NO. WM-01-035 - New Mex		20. COMMENTS								
OL SI AT	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v	I Hereby c	ertify that the above of	described	wastes	were de	livered to th	uis facility,	that the		
LY	AUTHORIZED SIGNATURE	$\sim$	17	CELL NO.		I	DATE <b>3/</b> 2	25/2021		ME- 35	
GENER	ATOR: COPIES 1 & 6	DIS	POSAL SITE	E: COPIES 2 & 3				TRANSP	ORTERS: (	COPIES 4 & 5	

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

	1300 WEST MAIN ST		LAND, LLC	• PHONE (	(405) 23	6-4257	R	DE	$\hat{\boldsymbol{\Sigma}}$
NON	-HAZARDOUS WASTE MANIF	EST NO	142350	1. PA	.GE(	OF	2. TRAIL	ER NO.	1
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADDRESS 326 W. Qua				5. PICK- <b>3/2</b>	UP DATE 5/2021	(	<i>x</i> ;
6	PHONE NO.	CITY	STATE		ZIP 6. TNRCC I.D. NO.				
E	(575) 810-6021	Artesia	N.M.	882	210				
Ľ	7. NAME OR DESCRIPTION OF WASTE SHIPPE	D:		8. CON	ITAINEI		TOTAL ANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N	Non-Regulated, Non Hazardous Waste	2		1	CM			WU VOI.	WASTE ID #
	b.								
Е	c.			1					
R	ФТ: 23 880								
	12. COMMENTS OR SPECIAL INSTRUCTIONS:					13.	WASTE PF	ROFILE N	O.
Α	RICHARD KNOB (AEX STATE # 1)								
_	14. IN CA	SE OF EMI PHONE NO	ERGENCY OR SPI	LL, CO	NTAC		24-HOUR	EMERGE	NCY NO.
Т	JOE ONTIVEROS	575-887-	1018						
0	15. GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, an international and national government regulations, in	I Hereby declare d labeled, and are	that the contents of this in all respects in proper of	condition fo	or transp	ort by hi	ighway acco	ording to a	oplicable
R	PRINTED/TYPED NAME		SIGNATURE				- 241		DATE
	CO. MAN: MIKE GANT								
Т	16. TRANSPORTER (1)		17.	TI	RANS	PORT	ER (2)		
R A	NAME: BDS ENTERPRISE	s	NAME:						
N S	TEXAS I.D. NO.	<u> </u>	TEXAS I.D. NO.						
Р	IN CASE OF EMERGENCY CONTACT:	AN STEVEN	IS IN CASE OF EN	IERGENC	y con'	TACT:			
O R	EMERGENCY PHONE		EMERGENCY P		(2)				
Т	18. TRANSPORTER (1): Acknowledgment		erial 19. TRANSPO	JKIER	(2): Ac	knowled	gment of re	eceipt of m	aterial
E R	PRINTED/TYPED NAME ( EVO a Ta	HC .	PRINTED/TYPE	ED NAME					
S	SIGNATURE	DATE 3,	25/202 <sup>SIGNATURE</sup>				<u>D</u> ,	ATE	
		ADDRESS:					PHONE:		
DF	Lea Land, LLC		Mile Marker 64, U		-			575-88	7-4048
ΙΑ	PERMIT NO.		30 Miles East of C		J, INIV				
S C P I	WM-01-035 - New Mex	ico	20. COMMENTS						
OL SI AT	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		reby certify that the above	e described	wastes	were deli	ivered to the	is facility, 1	that the
LY	AUTHORIZED SIGNATURE	Λ	CELL NO.	/	D.	ATE		TIN	告,00
	/notex linz	avz.				3/2	5/2021		L.
GENER	ATOR: COPIES 1 & 6	DISPOSAL	. SITE: COPIES 2 & 3				TRANSPO	ORTERS: (	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

	1300 WEST MAIN ST			<b>ND, LLC</b> A CITY, OK 73106 •	PHONE (	405) 2	36-4257	P		5
NON	N-HAZARDOUS WASTE MANIF	EST	NO 14	2351	1. PA	GE	_OF	2. TRAIL	.er no.	54
G	3. COMPANY NAME Lucid Energy Delaware LLC	4. ADD 326 W	RESS /. Quay					C-UP DATE 25/2021		
	PHONE NO.	CITY		STATE		ZIP	6. TNR	CC I.D. NO		
E	(575) 810-6021	Artesi	a	N.M.	882		RS 9	. TOTAL	10. UNIT	11. TEXAS
	7. NAME OR DESCRIPTION OF WASTE SHIPPE		No.	Тур		JANTITY	Wt/Vol.	WASTE ID #		
N	Non-Regulated, Non Hazardous Waste	2			1	CN	1			
	b.									
E	с.									
R	WT: 33.420									
	12. COMMENT'S OR SPECIAL INSTRUCTIONS:						13	. WASTE P	ROFILE N	0.
Α	RICHARD KNOB (AEX STATE # 1)									
	14. IN CA	SE OF		ENCY OR SPIL	L, CO	NTAC	CT	24 HOUR	EMERGE	NCV NO
Т				0				24-110UK	EMERUE	NCINO.
	UOE ONTIVEROS 15.GENERATOR'S CERTIFICATION:	I Hereby	declare that	the contents of this co	onsignmer	nt are f	ully and	accurately (	described a	bove by proper
0	shipping name and are classified, packed, marked, an international and national government regulations, in	d labeled, cluding a	and are in al	l respects in proper co re regulations, and are	ondition for the same	or trans e mater	port by l ials previ	nighway acc iously appro	ording to ap wed by LE.	pplicable A LAND, LLC
R	PRINTED/TYPED NAME			SIGNATURE						DATE
	CO. MAN: MIKE GANT									
T R	16. <b>TRANSPORTER (1)</b>			17.	TI	RANS	SPORT	<b>TER (2)</b>		
Α	BDS ENTERPRISE	S		NAME:						
N S	TEXAS I.D. NO.			TEXAS I.D. NO.						
Р	IN CASE OF EMERGENCY CONTACT:	AN ST	EVENS	IN CASE OF EMI	ERGENC	Y CON	ITACT:			
O R	EMERGENCY PHONE: 18. TRANSPORTER (1): Acknowledgment	302-84	198	EMERGENCY PH 19. TRANSPO		( <b>?</b> ). A	oknowla	damant of r	againt of m	atorial
T E								-	-	arcitat
R	PRINTED/TYPED NAME IN Chines	Wa	(clow	PRINTED/TYPEI	D NAME					
S	SIGNATURE Clicalful	DATE		02 <sup>SIGNATURE</sup> —				D	ATE	
		ADD	RESS:					PHONE:		
DF	Lea Land, LLC			Marker 64, U		-			575-88	7-4048
ΙΑ	PERMIT NO.		30 N	Ailes East of C	arisbac	1, NN	/1			
S C P I O L	WM-01-035 - New Mex	ico		20. COMMENTS						
S I A T	21. <b>DISPOSAL FACILITY'S CERTIFIC</b> facility is authorized and permitted to receive such v		N: I Hereby c	ertify that the above of	described	wastes	were de	livered to th	is facility, 1	that the
LY	AUTHORIZED SIGNATURE	70	Oez	CELL NO.		Γ	DATE <b>3/2</b>	25/2021	2	ME 05
GENER	ATOR: COPIES 1 & 6	DIS	POSAL SITE	E: COPIES 2 & 3				TRANSP	ORTERS: (	COPIES 4 & 5

COPY 1

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## APPENDIX C – TABLES, PROCEDURES, AND FIGURES

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

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	TABLE 1           SOIL SAMPLE ANALYTICAL RESULTS - BTEX <sup>1</sup> , Chloride <sup>2</sup> , and TPH <sup>3</sup> 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)		
SW-6-E-C	3-4'	Comp	Ex-Situ	03/24/21	<slds< th=""><th>540</th><th>GRO &lt;4.6</th><th>ORO &lt;9.5</th><th>EXT DRC</th></slds<>	540	GRO <4.6	ORO <9.5	EXT DRC	
SW-7-E-C	3-4'	Comp	Ex-Situ	03/24/21	<slds< td=""><td>66</td><td>&lt;4.9</td><td>&lt;9.8</td><td>&lt;49</td></slds<>	66	<4.9	<9.8	<49	
SW-8-N-C	3-4'	Comp	Ex-Situ	03/24/21	<\$LDs	500	<4.7	<9.8	<49	
				Lucid Fina	al Smapling Event		<b>I</b>			
SW-13-N-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>&lt;60</td><td>&lt;4.8</td><td>&lt;9.8</td><td>&lt;49</td></slds<>	<60	<4.8	<9.8	<49	
SW-14-W-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>63</td><td>&lt;4.9</td><td>&lt;9.8</td><td>&lt;49</td></slds<>	63	<4.9	<9.8	<49	
SW-15-W-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>&lt;60</td><td>&lt;4.9</td><td>&lt;9.7</td><td>&lt;49</td></slds<>	<60	<4.9	<9.7	<49	
SW-16-S-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>&lt;60</td><td>&lt;4.8</td><td>&lt;10</td><td>&lt;50</td></slds<>	<60	<4.8	<10	<50	
SW-17-S-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>170</td><td>&lt;4.8</td><td>&lt;9.8</td><td>&lt;49</td></slds<>	170	<4.8	<9.8	<49	
SW-18-E-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>120</td><td>&lt;5.0</td><td>&lt;9.7</td><td>&lt;49</td></slds<>	120	<5.0	<9.7	<49	
SW-19-E-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>120</td><td>&lt;5.0</td><td>&lt;9.8</td><td>&lt;49</td></slds<>	120	<5.0	<9.8	<49	
SW-20-N-C	4'	Comp	In-Situ	06/24/21	<\$LDs	<60	<4.9	<9.6	<48	
B-21-N-C	4'	Comp	In-Situ	06/24/21	<\$LDs	150	<4.9	<9.8	<49	
B-22-S-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>130</td><td>&lt;4.8</td><td>&lt;9.2</td><td>&lt;46</td></slds<>	130	<4.8	<9.2	<46	
B-23-S-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>130</td><td>&lt;4.9</td><td>&lt;9.5</td><td>&lt;47</td></slds<>	130	<4.9	<9.5	<47	
B-24-N-C	4'	Comp	In-Situ	06/24/21	<slds< td=""><td>140</td><td>&lt;4.8</td><td>&lt;9.6</td><td>&lt;48</td></slds<>	140	<4.8	<9.6	<48	
				Terracon Co	nfirmation Sampling					
HA-1	0-0.5'	Comp	In-Situ	07/20/22	<slds< td=""><td>64</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	64	<10.0	<10.0	<10.0	
HA-2	0-0.5'	Comp	In-Situ	07/20/22	<slds< td=""><td>80</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	80	<10.0	<10.0	<10.0	

.

	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX <sup>1</sup> , Chloride <sup>2</sup> , and TPH <sup>3</sup> Richard Knob Terracon Project No. KH227001								
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	mple Type Soil Status Sample Date BTEX (mg/kg)			Chloride (mg/kg)	GRO	TPH (8015M (mg/kg) DRO	<b>/)</b> EXT DRO
HA-3	0-0.5'	Comp	In-Situ	07/20/22	<slds< td=""><td>80</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	80	<10.0	<10.0	<10.0
HA-4	0-0.5'	Comp	In-Situ	07/20/22	<slds< td=""><td>48</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	48	<10.0	<10.0	<10.0
HA-5	0-0.5'	Comp	In-Situ	07/20/22	<slds< td=""><td>48</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	48	<10.0	<10.0	<10.0
HA-3	2-3'	Comp	In-Situ	07/20/22	<slds< td=""><td>64</td><td>&lt;10.0</td><td>&lt;10.0</td><td>&lt;10.0</td></slds<>	64	<10.0	<10.0	<10.0
(Applic	NMOCD I able for Soils from	Reclamation Sta the Surface to 4 f		Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	600		N/A		
		tion and Delinea able for Soils at D n 4 ft. Below Grad	epths		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

1. D ICA Beframe, Underte, ethyletizate, Unda Xyteries analyzed by EPA Method 802 to 2. Chioráe a Strukture by EPA Method 300.
 3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)
 4. New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for solis 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



Richard Knob 6" Leak Eddy County, New Mexico January 12, 2023 Terracon Project No. KH227001



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**



December 01, 2020

Michael Gant Lucid Energy Delaware 201 South 4th St. Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2011C47

RE: Richard Knob

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard Knob

2011C47-001

**Analytical Report** Lab Order 2011C47

Date Reported: 12/1/2020

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW 1 S C Collection Date: 11/23/2020 1:30:00 PM Received Date: 11/25/2020 8:00:00 AM

2011017 001	Muulin Soll							
Analyses	Result	RL Q	ual Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGI	E 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 SHO	RT 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			

Matrix: SOIL

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

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
  - Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 16

**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2011C47

Date Reported: 12/1/2020

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW 2 W C Collection Date: 11/23/2020 1:32:00 PM **Deceived Dete:** 11/25/2020 8:00:00 AM

Lab ID: 2011C47-002	Matrix: SOIL	Rece	ived Date:	11/25/	2020 8:00:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE 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 SH	ORT 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: GASOLIN	E 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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 16

**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2011C47

Date Reported: 12/1/2020

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW 3 W C Collection Date: 11/23/2020 1:35:00 PM Received Date: 11/25/2020 8:00:00 AM

Lab ID: 2011C47-003	Matrix: SOIL	Receiv	ed Date:	11/25/	2020 8:00:00 AM
Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE 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 S	HORT 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: GASOLI	NE 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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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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: 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 Result **RL** Qual Units DF **Date Analyzed** Analyses **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 11/28/2020 8:16:02 PM 60 mg/Kg 20 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: DJF Benzene ND 0.025 mg/Kg 11/29/2020 3:04:43 AM 1 Toluene ND 0.049 mg/Kg 11/29/2020 3:04:43 AM 1 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 70 400 ... 404 . 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.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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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 Result **RL** Qual Units DF **Date Analyzed** Analyses **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 11/30/2020 12:41:11 PM 150 mg/Kg 50 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: DJF Benzene ND 0.024 mg/Kg 11/29/2020 4:29:22 AM 1 Toluene ND 0.049 mg/Kg 11/29/2020 4:29:22 AM 1 Ethvlbenzene 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 mg/Kg 11/29/2020 4:29:22 AM 49 1

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:** 

Surr: BFB

- Value exceeds Maximum Contaminant Level.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

Page 5 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 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 Result **RL** Qual Units DF **Date Analyzed** Analyses **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 11/30/2020 12:53:36 PM mg/Kg 50 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: DJF Benzene ND 0.023 mg/Kg 11/29/2020 5:53:58 AM 1 Toluene ND 0.047 mg/Kg 11/29/2020 5:53:58 AM 1 Ethvlbenzene 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 mg/Kg 11/29/2020 5:53:58 AM 47 1 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.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard Knob

2011C47-007

**Analytical Report** Lab Order 2011C47

Date Reported: 12/1/2020

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B 7 N C Collection Date: 11/23/2020 1:50:00 PM Matrix: SOIL Received Date: 11/25/2020 8:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAN	NICS				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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Lucid Energy Delaware

Richard Knob

Analytical Report
Lab Order 2011C47

Date Reported: 12/1/2020

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B 8 S C Collection Date: 11/23/2020 2:00:00 PM Received Date: 11/25/2020 8:00:00 AM

Lab ID: 2011C47-008	Matrix: SOIL	Receiv	ed Date:	11/25/	2020 8:00:00 AM
Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	IGE 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 SH	IORT 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: GASOLIN	IE 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.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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Client: Project:	Lucid Ene Richard K	0.	vare								
Sample ID: MB-	-56678	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion:	S		
Client ID: PBS	6	Batch	n ID: 56	678	F	unNo: 7	3657				
Prep Date: 11	/28/2020	Analysis D	ate: 11	1/28/2020	S	eqNo: 2	596132	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	6-56678	SampT	ype: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCS	SS	Batch	n ID: 56	678	F	unNo: 7	3657				
Prep Date: 11	/28/2020	Analysis D	ate: 11	1/28/2020	S	eqNo: 2	596133	Units: mg/K	g		
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	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: PBS	3	Batch	n ID: 56	679	F	unNo: 7:	3657				
Prep Date: 11	/28/2020	Analysis D	ate: 11	1/28/2020	S	eqNo: 2	596167	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID: LCS	6-56679	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: LCS	SS	Batch	n ID: 56	679	F	unNo: 7:	3657				
Prep Date: 11	/28/2020	Analysis D	ate: 11	1/28/2020	S	eqNo: 2	596168	Units: mg/K	g		
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 Quanitative 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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2011C47

01-Dec-20

Client: Lucid En	nergy 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: <b>73679</b>
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: <b>73679</b>
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: <b>73679</b>
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: <b>73679</b>
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: <b>73679</b>
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) Surr: DNOP	ND 50 10 10.00	100 30.4 154
	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 Quanitative 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

2011C47

01-Dec-20

Client: Project:		Energy Delaw d Knob	vare								
Sample ID:	MB-56683	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	PBS	Batch	n ID: 56	683	F	RunNo: 7	3679				
Prep Date:	11/28/2020	Analysis D	ate: 1	1/30/2020	S	SeqNo: 2	596916	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	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 56	685	F	RunNo: 7;	3679				
Prep Date:	11/28/2020	Analysis D	ate: 1	1/30/2020	S	SeqNo: 2	596917	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:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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01-Dec-20

Client: Lucid E Project: Richard	Energy Delav l Knob	ware									
Sample ID: mb-56668	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: PBS	Batc	h ID: 56	668	R	RunNo: 7	3634					
Prep Date: 11/25/2020	Analysis [	Date: 11	/28/2020	S	SeqNo: 2	595110	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: Ics-56668	Samp	Гуре: <b>LC</b>	S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: BatchQC	Batc	h ID: 56	668	RunNo: 73634							
Prep Date: 11/25/2020	Analysis [	Date: 11	/28/2020	S	SeqNo: 2	595111	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				
Kylenes, 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	Samp	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: PBS	Batc	h ID: 56	672	R	RunNo: 7	3639					
Prep Date: 11/25/2020	Analysis [	Date: 11	/29/2020	S	SeqNo: 2	595326	Units: <b>mg/k</b>	٤g			
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									
Kylenes, 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: 4-Bromofluorobenzene Surr: Dibromofluoromethane			0.5000 0.5000		102 103	70 70	130 130				

#### **Qualifiers:**

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- 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

WO#:	2011C	47

Client: Lucid E Project: Richard	nergy Dela Knob	ware									
Sample ID: Ics-56672	Samp	Гуре: <b>LC</b>	S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: BatchQC	Batc	h ID: 566	672	F	RunNo: 7	3639					
Prep Date: 11/25/2020	Analysis [	Date: 11	/29/2020	5	SeqNo: 2	595327	Units: mg/k	(g			
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	s Samp	Type: <b>MS</b>	64	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: SW 5 E C	672	F	RunNo: 7	3639							
Prep Date: 11/25/2020	Analysis [	Date: 11	/29/2020	S	SeqNo: 2	595331	Units: mg/k	٢g			
Analyte	Result	PQL		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: 2011c47-005ams	d Samp	Гуре: <b>МS</b>	SD4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: SW 5 E C	Batc	h ID: 566	672	F	RunNo: 7	3639					
Prep Date: 11/25/2020	Analysis [	Date: 11	/29/2020	5	SeqNo: 2	595332	Units: mg/k	٢g			
Analyte	Result	PQL		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		

#### **Qualifiers:**

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

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2011C47

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

	l Energy Delav urd Knob	ware								
Sample ID: mb-56681	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8260B: Volati	les Short	List	
Client ID: PBS	RunNo: <b>73649</b>									
Prep Date: 11/28/2020	Analysis D	ate: 1	1/29/2020	S	eqNo: 2	595647	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: Ics-56681	SampT	ype: LC	S4	Tes	tCode: El	PA Method	8260B: Volati	les Short	List	
Client ID: BatchQC	Batch	n ID: 56	681	R	lunNo: 7	3649				
Prep Date: 11/28/2020	Analysis D	Date: 1	1/29/2020	S	eqNo: 2	595649	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 Quanitative 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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2011C47

01-Dec-20

WO#:

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Client: Lucid En	nergy 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: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 480 500.0	96.5 70	130	
Sample ID: Ics-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: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO)	20 5.0 25.00		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: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	500 500.0	100 70	130	
Sample ID: Ics-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: <b>mg/Kg</b>	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO)	22 5.0 25.00		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: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al
Gasoline Range Organics (GRO)	20 4.9 24.49		122	
Surr: BFB	510 489.7	104 70	130	
Sample ID: 2011c47-004amse	d 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: <b>mg/Kg</b>	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qua	al

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- S % Recovery outside of 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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01-Dec-20

Client: Project:	Lucid Ene Richard K	ergy Delawa Inob	e								
Sample ID:	2011c47-004amsd	SampTyp	e: MS	SD	Test	Code: EF	PA Method	8015D Mod: 0	Basoline	Range	
Client ID:	SW 4 N C	Batch II	): <b>56</b>	672	R	unNo: 7	3639				
Prep Date:	11/25/2020	Analysis Date	e: 11	1/29/2020	S	eqNo: 2	595370	Units: mg/Kg	J		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e 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	SampTyp	e: Me	BLK	Test	Code: EF	PA Method	8015D Mod: 0	Basoline	Range	
Client ID:	PBS	Batch II	): <b>56</b>	681	R	unNo: 7:	3649				
Prep Date:	11/28/2020	Analysis Date	e: <b>1</b> 1	1/29/2020	S	eqNo: 2	595868	Units: %Rec			
Prep Date: Analyte	11/28/2020	,	e: 11 PQL		S SPK Ref Val	eqNo: <b>2</b> %REC	595868 LowLimit	Units: <b>%Rec</b> HighLimit	%RPD	RPDLimit	Qual
	11/28/2020	,							%RPD	RPDLimit	Qual
Analyte		Result I	PQL	SPK value 500.0	SPK Ref Val	%REC 101	LowLimit 70	HighLimit			Qual
Analyte Surr: BFB	lcs-56681	Result F	PQL e: LC	SPK value 500.0	SPK Ref Val	%REC 101	LowLimit 70 PA Method	HighLimit 130			Qual
Analyte Surr: BFB Sample ID:	lcs-56681	Result F 510 SampTyp	PQL e: LC D: 56	SPK value 500.0	SPK Ref Val Test	%REC 101 Code: EF	LowLimit 70 PA Method 3649	HighLimit 130			Qual
Analyte Surr: BFB Sample ID: Client ID:	lcs-56681 LCSS	Result F 510 SampTyp Batch II Analysis Date	PQL e: LC D: 56	SPK value 500.0 CS 681 1/29/2020	SPK Ref Val Test	%REC 101 Code: EF unNo: 7:	LowLimit 70 PA Method 3649	HighLimit 130 8015D Mod: C			Qual

Qualifiers:

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2011C47

01-Dec-20

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ived by OCD: 1/20/2023 9:12:33 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 Website: clients.hau	490 querq FAX:	1 Hawkins NE ue, NM 87109 505-345-4107	Sar	nple Log-In C	P heck List
Client Name: Lucid Energy Delaware	Work Order Number:	201 <sup>·</sup>	IC47		RcptNo:	1
Received By: Juan Rojas	11/25/2020 8:00:00 AN	l	5	Warsay		
Completed By: Emily Mocho Reviewed By: SR 11/25/20	11/25/2020 9:07:17 AN	I				
Chain of Custody						
1. Is Chain of Custody complete?		Yes	$\checkmark$	No 🗌	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌		
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	$\checkmark$	No 🗌		
5. Sample(s) in proper container(s)?		Yes	$\checkmark$	No 🗌		
6. Sufficient sample volume for indicated test(s)?		Yes	$\checkmark$	No 🗌		
7. Are samples (except VOA and ONG) properly p	preserved?	Yes	$\checkmark$	No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗌	
9. Received at least 1 vial with headspace <1/4" for	or AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any sample containers received broken?		Yes		No 🗹	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	$\checkmark$	No 🗌	for pH:	>12 unless not
12. Are matrices correctly identified on Chain of Cu	istody?	Yes	$\checkmark$	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes	$\checkmark$	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	$\checkmark$	No 🗌	Checked by: 5	GL 11/25/20
<u>Special Handling (if applicable)</u>						
15. Was client notified of all discrepancies with this	s order?	Yes		No 🗌	NA 🗹	
Person Notified: By Whom: Regarding: Client Instructions:	Date: Date: Via:	] eM	ail 🗌 Phon	e 🗌 Fax	In Person	

- 16. Additional remarks:
- 17. Cooler Information

Cooler No	Temp °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			

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Received by OCD: 1/20/202	39.	12:33 AM															Τ		Pag	e 64 of	118
AL																					
HALL ENVIRONMENTAI ANALYSIS LABORATOR www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107										-		-	-				_				eport.
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S L 505				(AC		n92) 0													30	-1	rlv nota
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Client: しょこの Mailing Address:	Phone #:	email or Fax#: M. O. O. C. J. V. C. J. V. C. O. M. Q. V. C. O. M. Q. V. C. D. M. Q. V. C. D. M. C. M.	Accreditation:	DI NELAC	EDD (Type)			1/23/20											Hla	B	1=
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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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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,

andy

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 Result **RL** Qual Units DF **Date Analyzed** Analyses **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) 3/31/2021 9:00:21 AM ND 45 mg/Kg 1 Surr: DNOP 70-130 %Rec 1 3/31/2021 9:00:21 AM 118 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 4/1/2021 12:58:00 AM 5.0 mg/Kg 1 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 4/1/2021 12:58:00 AM 1 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 4/1/2021 12:58:00 AM Surr: 4-Bromofluorobenzene 82.2 70-130 %Rec 1 Analyst: VP **EPA METHOD 300.0: ANIONS** Chloride 840 61 4/1/2021 2:53:50 PM ma/Ka 20

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

Reporting Limit RL

Page 1 of 17

**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 Result **RL** Qual Units DF **Date Analyzed** Analyses **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) 3/31/2021 9:37:56 AM ND 46 mg/Kg 1 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 4/1/2021 1:57:00 AM 5.0 mg/Kg 1 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 4/1/2021 1:57:00 AM 1 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 4/1/2021 1:57:00 AM Surr: 4-Bromofluorobenzene 81.0 70-130 %Rec 1 Analyst: VP **EPA METHOD 300.0: ANIONS** Chloride 1000 60 4/1/2021 3:06:14 PM ma/Ka 20

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

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix Н
- Holding times for preparation or analysis exceeded ND
- Not Detected at the Reporting Limit POL
- Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 2 of 17

**CLIENT:** Lucid Energy Delaware

Richard Knob

Analytical Report Lab Order 2103C45

Date Reported: 4/2/2021

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-11-C Collection Date: 3/24/2021 9:19:00 AM Received Date: 3/26/2021 7:35:00 AM

Lab ID: 2103C45-003	Matrix: SOIL	<b>Received Date:</b> 3/26/2021 7:35:00 AM							
Analyses	Result	RL Qua	l 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.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

Page 3 of 17

Lab ID:

Analyses

**CLIENT:** Lucid Energy Delaware

Richard Knob

2103C45-004

**Analytical Report** Lab Order 2103C45

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/2/2021 Client Sample ID: B-12-C Collection Date: 3/24/2021 9:25:00 AM Matrix: SOIL Received Date: 3/26/2021 7:35:00 AM Result **RL** Qual Units DF **Date Analyzed** 

		(·-			
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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. Sample Diluted Due to Matrix
- D н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 17

**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2103C45

Date Reported: 4/2/2021

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-1-N-C Collection Date: 3/25/2021 8:41:00 AM Received Date: 3/26/2021 7:35:00 AM

Lab ID: 2103C45-005	Matrix: SOIL	Received Date: 3/26/2021 7:35:00 AM			
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>mb</b>
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	E				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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 5 of 17

**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2103C45

Date Reported: 4/2/2021

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-2-W-C Collection Date: 3/25/2021 8:43:00 AM **Descrived Deter** 2/26/2021 7:25:00 AM

Lab ID: 2103C45-006 Analyses	Matrix: SOIL Result	Received Date: 3/26/2021 7:35:00 AM				
		RL Qu	al 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 RANG	E				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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 17

**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2103C45

Date Reported: 4/2/2021

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-3-W-C Collection Date: 3/25/2021 8:45:00 AM **Descrived Deter** 2/26/2021 7:25:00 AM

Lab ID: 2103C45-007 Analyses	Matrix: SOIL	Received Date: 3/26/2021 7:35:00 AM			
	Result	RL Qu	al 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 RANG	E				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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 17
**CLIENT:** Lucid Energy Delaware

Richard Knob

Analytical Report Lab Order 2103C45

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/2/2021 Client Sample ID: SW-4-S-C Collection Date: 3/25/2021 8:47:00 AM

Lab ID: 2103C45-008 Matrix: SOIL Received Date: 3/26/2021 7:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **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 4/1/2021 4:36:00 AM 5.0 mg/Kg 1 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 4/1/2021 4:36:00 AM 1 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 4/1/2021 4:36:00 AM Surr: 4-Bromofluorobenzene 81.6 70-130 %Rec 1 Analyst: VP **EPA METHOD 300.0: ANIONS** Chloride 860 60 4/1/2021 4:45:33 PM ma/Ka 20

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

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

Page 8 of 17

Chloride

**CLIENT:** Lucid Energy Delaware

Richard Knob

Analytical Report Lab Order 2103C45

4/1/2021 4:57:57 PM

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/2/2021 Client Sample ID: SW-5-S-C Collection Date: 3/25/2021 8:55:00 AM

Lab ID: 2103C45-009 Matrix: SOIL Received Date: 3/26/2021 7:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **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 70-130 %Rec 1 3/31/2021 11:53:10 AM 111 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 4/1/2021 4:56:00 AM 4.6 mg/Kg 1 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 4/1/2021 4:56:00 AM 1 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 4/1/2021 4:56:00 AM Surr: 4-Bromofluorobenzene 79.5 70-130 %Rec 1 Analyst: VP **EPA METHOD 300.0: ANIONS** 

280

61

ma/Ka

20

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

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative 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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**CLIENT:** Lucid Energy Delaware

Richard Knob

Analytical Report Lab Order 2103C45

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/2/2021 Client Sample ID: SW-6-E-C Collection Date: 3/25/2021 8:59:00 AM Received Date: 3/26/2021 7:35:00 AM

Lab ID: 2103C45-010	Matrix: SOIL	<b>Received Date:</b> 3/26/2021 7:35:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAN	GE 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 RAM	NGE				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.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard Knob

2103C45-011

**Analytical Report** Lab Order 2103C45

Date Reported: 4/2/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-7-E-C Collection Date: 3/25/2021 9:11:00 AM Received Date: 3/26/2021 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst: <b>mb</b>		
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 RANG	Ε				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		

Matrix: SOIL

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

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Lucid Energy Delaware

Richard Knob

**Analytical Report** Lab Order 2103C45

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/2/2021 Client Sample ID: SW-8-N-C Collection Date: 3/25/2021 9:15:00 AM **Received Date:** 3/26/2021 7:35:00 AM

Lab ID: 2103C45-012	Matrix: SOIL	<b>Received Date:</b> 3/26/2021 7:35:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: <b>mb</b>		
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 RAM	IGE				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. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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	eid Energy Delaware hard Knob
Sample ID: MB-591	SampType: MBLK TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 59125 RunNo: 76378
Prep Date: 4/1/202	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-59	SampType: LCS TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 59125 RunNo: 76378
Prep Date: 4/1/202	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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

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2103C45

02-Apr-21

WO#:

RL Reporting Limit

Client:	Lucid Ene	ergy Delav	ware								
Project:	Richard K	Knob									
Sample ID: N	/B-59056	SampT	уре: М	IBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: P			n ID: <b>5</b>		TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 76336						
Prep Date:	3/30/2021	Analysis D	Date: 3	3/31/2021	S	SeqNo: 2	703041	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%RFC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	ND	10			/01120	LowLink	- ingri Linin	,ora B		Quui
Motor Oil Range	Organics (MRO)	ND	50	)							
Surr: DNOP		13		10.00		132	70	130			S
Sample ID: N	/B-59088	SampT	ype: M	IBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: P	PBS	Batcl	h ID: 5	9088	F	RunNo: 70	6336				
Prep Date:	3/31/2021	Analysis D	Date: 3	3/31/2021	S	SeqNo: 2	703042	Units: %Red	;		
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: L	CS-59056	SampT	ype: L	cs	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: L	css	Batcl	h ID: 5	9056	F	RunNo: 7	6336				
Prep Date:	3/30/2021	Analysis D	Date: 3	3/31/2021	S	SeqNo: 2	703043	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	58	10	50.00	0	117	68.9	141			
Surr: DNOP		6.3		5.000		126	70	130			
Sample ID: L	-CS-59088	SampT	ype: L	cs	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: L	CSS	Batcl	n ID: <b>5</b> 9	9088	F	RunNo: 70	6336				
Prep Date:	3/31/2021	Analysis D	Date: 3	3/31/2021	S	SeqNo: 27	703044	Units: %Red	•		
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: 2	103C45-001AMS	SampT	ype: M	IS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: B	3-9-C	Batcl	n ID: <b>5</b> 9	9056	F	RunNo: 70	6336				
Prep Date:	3/30/2021	Analysis D	Date: 3	3/31/2021	S	SeqNo: 2	703045	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	ganics (DRO)	45	9.6		0	93.2	15	184			
Surr: DNOP		5.1		4.798		106	70	130			
Sample ID: 2	103C45-001AMS	D SampT	ype: M	ISD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: B	3-9-C	Batcl	h ID: 5	9056	F	RunNo: 70	6336				
Prep Date:	3/30/2021	Analysis D	Date: 3	3/31/2021	5	SeqNo: 2	703046	Units: mg/K	g		
		Popult		SPK voluo	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	PQL	SFR value	SI K Kei vai	/orceo	LOWLININ	riigiiLiitiit		KFDLIIIII	Qual

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
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- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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- P Sample pH Not In Range
- RL Reporting Limit

2103C45

02-Apr-21

Client: Project:	Lucid Ene Richard K	ergy Delawar	re								
	2103C45-001AMSI	D SampType	e: <b>M</b> \$	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	B-9-C	Batch ID	D: <b>59</b>	056	F	RunNo: 7	6336				
Prep Date:	3/30/2021	Analysis Date	e: 3/	/31/2021	S	SeqNo: 2	703046	Units: mg/K	g		
Analyte		Result F	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	e: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch ID	): <b>59</b>	071	F	RunNo: 7	6336				
Prep Date:	3/30/2021	Analysis Date	e: 3/	/31/2021	S	SeqNo: 2	703502	Units: %Red	•		
Analyte		Result F	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	e: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch ID	): <b>59</b>	071	F	RunNo: 7	6336				
Prep Date:	3/30/2021	Analysis Date	e: 3/	/31/2021	S	SeqNo: 2	703503	Units: %Red	;		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.1		5.000		103	70	130			

Qualifiers:

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2103C45

02-Apr-21

Client:	Lucid En	ergy Delav	vare								
Project:	Richard I	Knob									
Sample ID:	LCS-59040	SampT	ype: LC	S	TestCode: EPA Method 8015D: Gasoline Range						
Client ID:	LCSS	Batch	ID: 59	040	R	unNo: 7	6370				
Prep Date:	3/29/2021	Analysis D	ate: 3/	31/2021	S	eqNo: 2	704669	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge 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: 59	040	R	unNo: 7	6370		_		
Prep Date:	3/29/2021	Analysis D	ate: 4/	1/2021	S	eqNo: 2	704670	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge 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								8015D: Gaso	oline Rang	e	
Sample ID:	2103C45-001ams	Sampl	ype: <b>MS</b>		103		Amethou			•	
Sample ID: Client ID:			ype: MS 1D: 59			lunNo: 7				•	
	B-9-C		n ID: <b>59</b>	040	R		6370	Units: mg/k	-	•	
Client ID:	B-9-C	Batch	n ID: <b>59</b>	040 1/2021	R	RunNo: 70 SeqNo: 2	6370		-	RPDLimit	Qual
Client ID: Prep Date: Analyte	B-9-C	Batch Analysis D	n ID: <b>59</b> ate: <b>4/</b>	040 1/2021	R	RunNo: 70 SeqNo: 27	6370 704672	Units: <b>mg/k</b>	٢g		Qual
Client ID: Prep Date: Analyte	B-9-C 3/29/2021	Batch Analysis D Result	n ID: <b>59</b> ate: <b>4/</b> PQL	040 1/2021 SPK value	R S SPK Ref Val	2unNo: 70 6eqNo: 27 %REC	6370 704672 LowLimit	Units: <b>mg/k</b> HighLimit	٢g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	B-9-C 3/29/2021	Batch Analysis D Result 22 960	n ID: <b>59</b> ate: <b>4/</b> PQL	040 1/2021 SPK value 23.41 936.3	R S SPK Ref Val 0	RunNo: 7 GeqNo: 2 %REC 94.3 102	6370 704672 LowLimit 61.3 70	Units: <b>mg/k</b> HighLimit 114	<b>(g</b> %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	B-9-C 3/29/2021 ge Organics (GRO)	Batch Analysis D Result 22 960 d SampT	n ID: <b>59</b> ate: <b>4/</b> PQL 4.7	040 1/2021 SPK value 23.41 936.3	R S SPK Ref Val 0 Test	RunNo: 7 GeqNo: 2 %REC 94.3 102	6370 704672 LowLimit 61.3 70 PA Method	Units: <b>mg/k</b> HighLimit 114 130	<b>(g</b> %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	B-9-C 3/29/2021 ge Organics (GRO) : 2103C45-001amso B-9-C	Batch Analysis D Result 22 960 d SampT	PQL 4.7 ype: <b>MS</b>	040 1/2021 SPK value 23.41 936.3 SD 040	R S SPK Ref Val 0 Test R	RunNo: 70 GeqNo: 2 %REC 94.3 102 tCode: EF	6370 704672 LowLimit 61.3 70 PA Method 6370	Units: <b>mg/k</b> HighLimit 114 130	Kg %RPD Dine Rang	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	B-9-C 3/29/2021 ge Organics (GRO) : 2103C45-001amso B-9-C	Batch Analysis D Result 22 960 SampT Batch	PQL 4.7 ype: <b>MS</b>	040 1/2021 SPK value 23.41 936.3 SD 040 1/2021	R S SPK Ref Val 0 Test R	RunNo: 70 GeqNo: 23 %REC 94.3 102 Code: EF	6370 704672 LowLimit 61.3 70 PA Method 6370	Units: mg/# HighLimit 114 130 8015D: Gasc	Kg %RPD Dine Rang	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	B-9-C 3/29/2021 ge Organics (GRO) : 2103C45-001amso B-9-C	Batch Analysis D Result 22 960 d SampT Batch Analysis D	PQL 4.7 ype: MS 1D: 59 4.7 ype: MS 1D: 59 ate: 4/	040 1/2021 SPK value 23.41 936.3 SD 040 1/2021	R SPK Ref Val 0 Test R S	RunNo: 7 GeqNo: 2 %REC 94.3 102 Code: EF RunNo: 7 GeqNo: 2	6370 704672 LowLimit 61.3 70 PA Method 6370 704673	Units: <b>mg/k</b> HighLimit 114 130 <b>8015D: Gasc</b> Units: <b>mg/k</b>	Kg %RPD Dine Rang	RPDLimit e	

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- 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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2103C45

02-Apr-21

Client: Lucid E Project: Richard	nergy Dela Knob	ware								
Sample ID: LCS-59040	Samp	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: <b>59</b>	040	R	lunNo: <b>76</b>	6370				
Prep Date: 3/29/2021	Analysis [	Date: 4/	1/2021	S	eqNo: 27	704740	Units: mg/k	٢g		
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	Samp	Гуре: <b>МЕ</b>	BLK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 59	040	R	lunNo: <b>76</b>	6370				
Prep Date: 3/29/2021	Analysis [	Date: 4/	1/2021	S	eqNo: 27	704741	Units: mg/k	۲g		
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										
Campie 12. 2103043-002dill										
Client ID: <b>B-10-C</b>		h ID: 590		R	unNo: <b>76</b>	6370				
		h ID: 59	040		tunNo: 76 SeqNo: 27		Units: <b>mg/k</b>	ζg		
Client ID: B-10-C	Batc	h ID: 59	040 1/2021				Units: <b>mg/k</b> HighLimit	<b>(g</b> %RPD	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte	Batc Analysis [	h ID: <b>59</b> Date: <b>4</b> /	040 1/2021	S	SeqNo: 27	704744 LowLimit 76.3	_	-	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene	Batc Analysis I Result	h ID: <b>59</b> Date: <b>4/</b> PQL	040 1/2021 SPK value	S SPK Ref Val	eqNo: 27 %REC	704744 LowLimit	HighLimit	-	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene	Batc Analysis I Result 0.84	h ID: <b>59</b> Date: <b>4/</b> PQL 0.025	040 1/2021 SPK value 0.9872	SPK Ref Val	SeqNo: 27 %REC 84.6	704744 LowLimit 76.3	HighLimit 120	-	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 0.84 0.86	h ID: <b>59</b> Date: <b>4</b> PQL 0.025 0.049	040 1/2021 SPK value 0.9872 0.9872 0.9872 2.962	SPK Ref Val 0 0	SeqNo: 27 %REC 84.6 86.7	704744 LowLimit 76.3 78.5	HighLimit 120 120	-	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene Ethylbenzene	Batc Analysis I Result 0.84 0.86 0.85	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049	040 1/2021 SPK value 0.9872 0.9872 0.9872	SPK Ref Val 0 0 0	6eqNo: 27 %REC 84.6 86.7 86.2	704744 LowLimit 76.3 78.5 78.1	HighLimit 120 120 124	-	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result 0.84 0.86 0.85 2.5 0.82	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049	040 1/2021 SPK value 0.9872 0.9872 0.9872 2.962 0.9872	SPK Ref Val 0 0 0 0	eqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5	704744 LowLimit 76.3 78.5 78.1 79.3 70	HighLimit 120 120 124 125	%RPD	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Batc Analysis I Result 0.84 0.86 0.85 2.5 0.82 sd Samp	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099	040 1/2021 SPK value 0.9872 0.9872 0.9872 2.962 0.9872 0.9872	SPK Ref Val 0 0 0 0 0 Test	eqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5	704744 LowLimit 76.3 78.5 78.1 79.3 70 PA Method	HighLimit 120 120 124 125 130	%RPD	RPDLimit	Qual
Client ID: <b>B-10-C</b> Prep Date: <b>3/29/2021</b> Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>2103C45-002am</b>	Batc Analysis I Result 0.84 0.86 0.85 2.5 0.82 sd Samp	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Type: <b>MS</b> h ID: <b>59</b>	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 3.09872 3.09872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9872 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.9972 0.997	SPK Ref Val 0 0 0 0 0 Test	REC 84.6 86.7 86.2 85.1 83.5 Code: EF	704744 LowLimit 76.3 78.5 78.1 79.3 70 PA Method 5370	HighLimit 120 120 124 125 130	%RPD	RPDLimit	Qual
Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103C45-002ama Client ID: B-10-C	Batc Analysis I Result 0.84 0.86 0.85 2.5 0.82 sd Samp Batc	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Type: <b>MS</b> h ID: <b>59</b>	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 2.962 0.9872 50 50 50 50 50 50 50 50 50 50	SPK Ref Val 0 0 0 0 0 Test	eqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5 tCode: EF	704744 LowLimit 76.3 78.5 78.1 79.3 70 PA Method 5370	HighLimit 120 120 124 125 130 8021B: Volat	%RPD	RPDLimit	Qual
Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103C45-002am Client ID: B-10-C Prep Date: 3/29/2021	Batc Analysis I Result 0.84 0.85 2.5 0.82 sd Samp Batc Analysis I	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Type: <b>MS</b> h ID: <b>59</b> Date: <b>4</b> /	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 2.962 0.9872 50 50 50 50 50 50 50 50 50 50	SPK Ref Val 0 0 0 0 0 Test R 5	SeqNo:         27           %REC         84.6           86.7         86.2           85.1         83.5           Code:         EF           SunNo:         76           SeqNo:         27	704744 LowLimit 76.3 78.5 78.1 79.3 70 74 Method 5370 704745	HighLimit 120 120 124 125 130 8021B: Volat	%RPD		
Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103C45-002am Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene	Batc Analysis I Result 0.84 0.85 2.5 0.82 sd Samp Batc Analysis I Result	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Type: <b>MS</b> h ID: <b>59</b> Date: <b>4</b> / PQL	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 3.09872 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.	SPK Ref Val 0 0 0 0 0 Tesi R SPK Ref Val	eqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5 tCode: EF cunNo: 76 seqNo: 27 %REC	704744 LowLimit 76.3 78.5 78.1 79.3 70 PA Method 5370 704745 LowLimit	HighLimit 120 120 124 125 130 8021B: Volat Units: mg/k HighLimit	%RPD	RPDLimit	
Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103C45-002am: Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene	Batc Analysis I Result 0.84 0.86 0.85 2.5 0.82 sd Samp Batc Analysis I Result 0.80	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Fype: <b>MS</b> h ID: <b>59</b> Date: <b>4</b> / PQL 0.025	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 0.9872 50 040 1/2021 SPK value 0.9872	SPK Ref Val 0 0 0 0 0 Tesi SPK Ref Val 0	eqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5 Code: EF cunNo: 76 SeqNo: 27 %REC 81.5	704744 LowLimit 76.3 78.5 78.1 79.3 70 PA Method 5370 704745 LowLimit 76.3	HighLimit 120 120 124 125 130 8021B: Volat Units: mg/k HighLimit 120	%RPD tiles %RPD 3.74	RPDLimit 20	
Client ID: B-10-C Prep Date: 3/29/2021 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2103C45-002am Client ID: B-10-C Prep Date: 3/29/2021 Analyte	Batc Analysis I 0.84 0.86 0.85 2.5 0.82 sd Samp Batc Analysis I Result 0.80 0.82	h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049 0.049 0.099 Fype: <b>MS</b> h ID: <b>59</b> Date: <b>4</b> / PQL 0.025 0.049	040 1/2021 SPK value 0.9872 0.9872 2.962 0.9872 0.9872 50 040 1/2021 SPK value 0.9872 0.9872	SPK Ref Val 0 0 0 0 0 Test SPK Ref Val 0 0	SeqNo: 27 %REC 84.6 86.7 86.2 85.1 83.5 tCode: EF 2000: 27 SeqNo: 27 %REC 81.5 83.0	704744 LowLimit 76.3 78.5 78.1 79.3 70 70 70 70 70 70 70 70 70 70	HighLimit 120 120 124 125 130 8021B: Volat Units: mg/k HighLimit 120 120	%RPD tiles 5g %RPD 3.74 4.32	RPDLimit 20 20	

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

WO#:	2103C45

02-Apr-21

Page	83	of	118

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ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-3-	nmental Analysis Labor 4901 Hawkin Albuquerque, NM 8 45-3975 FAX: 505-345- lients.hallenvironmenta	ns NE 87109 <b>San</b> -4107	nple Log-In Cł	Pag neck List
Client Name: Lucid Energy Delaware Work Order N	lumber: 2103C45		RcptNo:	1
Received By: Juan Rojas 3/26/2021 7:35:	00 AM	Hears		
Completed By: Cheyenne Cason 3/26/2021 8:37:				
Reviewed By: SGL 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 $>0^{\circ}$ C to $6.0^{\circ}$ 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 🗹	the second s
10. Were any sample containers received broken?	Yes	No 🗹 🕯	# of preserved	10
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	bottles checked for pH:	3 Z6
12. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
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 🗌	Checked by:	
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: D	ate:	ang		
By Whom: V	ia: 🗌 eMail 🗌 F	Phone 🗌 Fax	In Person	
Regarding: Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact Seal N	lo Seal Date	Signed By		
1 1.9 Good				

Page 1 of 1

Received by OCD: 1/20/2023 9:		Page 84 of 118
HALL ENVIR ANALYSIS L/ www.hallenvironmenta Hawkins NE - Albuquerque 505-345-3975 Fax 505-3 Analysis Requ	8081 Pesticides/8082 PCB's         8081 Pesticides/8082 PCB's         PDB (Method 504.1)         PDB (PDB (PDB (PDB (PDB (PDB (PDB (PDB (	
4901		Remarks:
	Project Manager: Michael Cant Sampler: MC On Ice: BYes # of Coolers: 1 Cooler Temp(Including cF): 1 Cooler Temp(Includin	Time:     Relinquished by:     Received by:     Via:     Date     Time     Remarks:       ICS     IE     IE     IE     IE     IE     IE       Ime:     Repinquished by:     IE     IE     IE     IE       Ime:     Repinquished by:     Received by:     Via:     Date     Time       Ime:     Repindues to Date     Time     Remarks:     Representive to Date     Remarks:       Ime:     Repindues to Date     Time     Remarks:     Remarks:     Repinduestor
	email or Fax#: Mucunt Clucid-energy.com advace Package:           advace Package:       Ievel 4 (Full Validation)         Accreditation:       Az compliance         Instant       Bate         Time       Matrix         Sample Name       Az compliance         Addr       Brito         Addr       Brito         Az contro       Brito         Az cont	Date:     Time:     Relinquished by:       ZASA     IOSS     Anth       Date:     Time:     Relinquished by:       Date:     Relinquished by:     Interestion

I iging



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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**CLIENT:** Lucid Energy Delaware

Richard nop

**Analytical Report** Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: SW.13.N.C Collection Date: 6/24/2021 9:00:00 AM Received Date: 6/26/2021 8:30:00 AM

Lab ID: 2106E40-001	Matrix: SOIL	Received Date: 6/26/2021 8:30:00 AM				
Analyses	Result	RL Q	ual U	nits	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.8	n	ng/Kg	1	6/30/2021 6:37:15 PM
Motor Oil Range Organics (MRO)	ND	49	n	ng/Kg	1	6/30/2021 6:37:15 PM
Surr: DNOP	47.4	70-130	S %	6Rec	1	6/30/2021 6:37:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	n	ng/Kg	1	7/2/2021 5:04:16 PM
Surr: BFB	98.6	70-130	9	6Rec	1	7/2/2021 5:04:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024	n	ng/Kg	1	7/2/2021 5:04:16 PM
Toluene	ND	0.048	n	ng/Kg	1	7/2/2021 5:04:16 PM
Ethylbenzene	ND	0.048	n	ng/Kg	1	7/2/2021 5:04:16 PM
Xylenes, Total	ND	0.096	n	ng/Kg	1	7/2/2021 5:04:16 PM
Surr: 4-Bromofluorobenzene	98.9	70-130	9	6Rec	1	7/2/2021 5:04:16 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	ND	60	n	ng/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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard nop

2106E40-002

Analytical Report Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: SW.14.W.C Collection Date: 6/24/2021 9:02:00 AM

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					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

Matrix: SOIL

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

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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**CLIENT:** Lucid Energy Delaware

**Analytical Report** Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: SW.15.W.C Collection Date: 6/24/2021 9:05:00 AM

<b>Project:</b>	Richard nop	Collection Date: 6/24/2021 9:05:00 AM							
Lab ID:	2106E40-003	Matrix: SOIL	R	Receiv	eceived Date: 6/26/2021 8:30:00 AM				
Analyses		Result	RL	Qual	Units	DF	Date Analyzed		
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst: <b>JME</b>		
Diesel R	ange Organics (DRO)	ND	9.7		mg/Kg	1	6/30/2021 7:25:59 PM		
Motor O	il 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 ME	THOD 8015D: GASOLINE R	ANGE					Analyst: <b>NSB</b>		
Gasoline	e 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 ME	THOD 8021B: VOLATILES						Analyst: NSB		
Benzene	e	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		
Ethylber	nzene	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 ME	THOD 300.0: ANIONS						Analyst: VP		
Chloride	9	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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard nop

2106E40-004

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW.16.S.C Collection Date: 6/24/2021 9:10:00 AM Received Date: 6/26/2021 8:30:00 AM

2100210 001						
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst: <b>JME</b>	
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 RANG	E				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	

Matrix: SOIL

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

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Lucid Energy Delaware

Richard nop

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW.17.S.C Collection Date: 6/24/2021 9:13:00 AM Received Date: 6/26/2021 8:30:00 AM

Lab ID: 2106E40-005	Matrix: SOIL	Received Date: 6/26/2021 8:30:00 AM				
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>JME</b>	
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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**Project:** Richard nop

**CLIENT:** Lucid Energy Delaware

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW.18.E.C Collection Date: 6/24/2021 9:15:00 AM **Descrived Deter** 6/26/2021 9:20:00 AM

Lab ID: 2106E40-006	Matrix: SOIL	Re	021 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	E					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. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard nop

2106E40-007

Analytical Report Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: SW.19.E.C Collection Date: 6/24/2021 9:20:00 AM

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS					Analyst: <b>JME</b>
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

Matrix: SOIL

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

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
   D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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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**Project:** Richard nop

**CLIENT:** Lucid Energy Delaware

**Analytical Report** Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: SW.20.N.C Collection Date: 6/24/2021 9:24:00 AM wed Data, 6/26/2021 8,20,00 AM ъ

Lab ID: 2106E40-008	Matrix: SOIL	<b>Received Date:</b> 6/26/2021 8:30:00 AM				
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>JME</b>	
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 RANG	E				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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

**CLIENT:** Lucid Energy Delaware

Richard nop

2106E40-009

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B.21.N.C Collection Date: 6/24/2021 9:30:00 AM Received Date: 6/26/2021 8:30:00 AM

	Muulin Soll		0/20/2			
Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: <b>JME</b>
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 RANG	E					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

Matrix: SOIL

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

**Qualifiers:** 

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Lucid Energy Delaware

Richard nop

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B.22.S.C Collection Date: 6/24/2021 9:35:00 AM Received Date: 6/26/2021 8:30:00 AM

Lab ID: 2106E40-010	Matrix: SOIL	Rec	021 8:30:00 AM		
Analyses	Result	RL Qu	ual 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. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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**CLIENT:** Lucid Energy Delaware

Richard nop

**Analytical Report** Lab Order 2106E40

Date Reported: 7/6/2021

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B.23.S.C Collection Date: 6/24/2021 9:40:00 AM Received Date: 6/26/2021 8:30:00 AM

Lab ID: 2106E40-011	Matrix: SOIL	Rec	021 8:30:00 AM			
Analyses	Result	RL Q	ual U	nits	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS					Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5	r	ng/Kg	1	6/30/2021 10:40:34 PM
Motor Oil Range Organics (MRO)	ND	47	r	ng/Kg	1	6/30/2021 10:40:34 PM
Surr: DNOP	61.4	70-130	S S	%Rec	1	6/30/2021 10:40:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	r	ng/Kg	1	7/2/2021 9:46:55 PM
Surr: BFB	94.0	70-130	C A	%Rec	1	7/2/2021 9:46:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024	r	ng/Kg	1	7/2/2021 9:46:55 PM
Toluene	ND	0.049	r	ng/Kg	1	7/2/2021 9:46:55 PM
Ethylbenzene	ND	0.049	r	ng/Kg	1	7/2/2021 9:46:55 PM
Xylenes, Total	ND	0.098	r	ng/Kg	1	7/2/2021 9:46:55 PM
Surr: 4-Bromofluorobenzene	95.6	70-130	C,	%Rec	1	7/2/2021 9:46:55 PM
EPA METHOD 300.0: ANIONS						Analyst: VP
Chloride	130	60	r	ng/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. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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

**CLIENT:** Lucid Energy Delaware

Richard nop

**Analytical Report** Lab Order 2106E40

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/6/2021 Client Sample ID: B.24.N.C Collection Date: 6/24/2021 9:45:00 AM Received Date: 6/26/2021 8:30:00 AM

Lab ID: 2106E40-012	Matrix: SOIL	Ree	Received Date: 6/26/2021 8:30:00 AM				
Analyses	Result	RL Q	ual Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>JME</b>		
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 RANG	E				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. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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	Lucid Energy Delaw Richard nop	vare								
Sample ID: MB-610	88 SampT	/pe: <b>ME</b>	BLK	Test	tCode: EF	PA Method	300.0: Anion	s		
Client ID: PBS	Batch	ID: 61	088	R	unNo: <b>7</b> 9	9537				
Prep Date: 7/1/20	21 Analysis D	ate: 7/	2/2021	S	eqNo: 27	798047	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sample ID: LCS-61	088 SampT	/pe: <b>LC</b>	S	Test	tCode: EF	PA Method	300.0: Anion	s		
Client ID: LCSS	Batch	ID: 61	088	R	unNo: <b>7</b> 9	9537				
Prep Date: 7/1/20	21 Analysis D	ate: 7/	2/2021	S	eqNo: 27	798048	Units: mg/K	g		
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 Quanitative 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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2106E40

06-Jul-21

Client: Project:	Lucid Er Richard	nergy Delawar nop	e								
Sample ID:	MB-61004	SampType	e: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch ID	): <b>61(</b>	004	R	unNo: 7	9496				
Prep Date:	6/29/2021	Analysis Date	e: <b>7/</b>	1/2021	S	eqNo: 2	794892	Units: %Red	;		
Analyte		Result F	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	e: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch ID	): 610	007	R	unNo: 7	9496				
Prep Date:	6/29/2021	Analysis Date	e: 6/3	30/2021	S	eqNo: 2	794893	Units: mg/K	g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		9.6		10.00		95.8	70	130			
Sample ID:	LCS-61004	SampType	e: <b>LC</b>	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch ID	): <b>61(</b>	004	R	unNo: 7	9496				
Prep Date:	6/29/2021	Analysis Date	e: <b>7/</b>	1/2021	S	eqNo: 2	794894	Units: %Red	;		
Analyte		Result F	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	e: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch ID	): 610	007	R	lunNo: 7	9496				
Prep Date:	6/29/2021	Analysis Date	e: 6/3	30/2021	S	eqNo: 2	794895	Units: mg/K	g		
Analyte		Result F	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 Quanitative 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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06-Jul-21

WO#:

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	d Energy Delaware ard nop	
Sample ID: mb-61005	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 61005	RunNo: <b>79564</b>
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797787 Units: mg/Kg
Analyte	Result PQL SPK value SPk	K Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	) ND 5.0 1000 1000	101 70 130
	1000 1000	101 70 130
Sample ID: Ics-61005	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 61005	RunNo: <b>79564</b>
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797788 Units: mg/Kg
Analyte	Result PQL SPK value SPK	K Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO		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: <b>79564</b>
Prep Date: 6/29/2021	Analysis Date: 7/3/2021	SeqNo: 2797811 Units: %Rec
Analyte	Result PQL SPK value SPk	K Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	990 1000	99.4 70 130
Sample ID: Ics-61022	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 61022	RunNo: <b>79564</b>
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797812 Units: %Rec
Analyte	Result PQL SPK value SPK	K 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 Quanitative 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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2106E40

06-Jul-21

Client: Project:	Lucid E Richarc	Energy Dela l nop	ware								
Sample ID:	mb-61005	Samp	Гуре: МЕ	BLK	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batc	Batch ID: 61005			RunNo: 7	9564				
Prep Date:	6/29/2021	Analysis [	Date: 7/	2/2021	S	SeqNo: 2	797845	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025			,		g			
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
	ofluorobenzene	1.0		1.000		101	70	130			
Sample ID:	LCS-61005	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch ID: 61005			F	RunNo: 7	9564				
Prep Date:	6/29/2021	Analysis [	Date: 7/	2/2021	S	SeqNo: 2	797846	Units: mg/K	g		
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-Brom	ofluorobenzene	1.0		1.000		103	70	130			
Sample ID:	mb-61022	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	PBS	Batc	h ID: 610	022	F	RunNo: 7	9564				
Prep Date:	6/29/2021	Analysis I	Date: 7/	3/2021	S	SeqNo: 2	797869	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	1.0		1.000		100	70	130			
Sample ID:	LCS-61022	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batc	h ID: 610	022	F	RunNo: 7	9564				
Prep Date:	6/29/2021	Analysis [	Date: 7/	2/2021	S	SeqNo: 2	797870	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	ofluorobenzene	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 Quanitative 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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2106E40

06-Jul-21

ived by OCAL1/20/2023 9:12:33 ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-	ental Analysis Labo 4901 Hawki Albuquerque, NM 3975 FAX: 505-345 its.hallenvironmenta	ns NE 87109 <b>Sar</b> -4107	Page 1 Sample Log-In Check List				
Client Name: Lucid Energy Dela	aware Work Order Nun	nber: 2106E40		RcptNo: 1				
Received By: Juan Rojas	6/26/2021 8:30:00	AM	Heaven					
Completed By: Cheyenne Caso	n 6/28/2021 8:07:13	AM	( Jane					
Reviewed By: SPA 6			and					
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 🗌					
	samples?	res 💌		NA				
4. Were all samples received at a te	mperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌				
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌					
6. Sufficient sample volume for indic	ated test(s)?	Yes 🗹	No 🗌					
7. Are samples (except VOA and ON		Yes 🗹	No 🗌					
8. Was preservative added to bottles	?	Yes	No 🗹	NA 🗌				
9. Received at least 1 vial with heads	space <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹				
10. Were any sample containers rece	ived broken?	Yes	No 🗹	# of preserved				
11. Does paperwork match bottle labe (Note discrepancies on chain of cu		Yes 🗹	No 🗌	bottles checked for pH: (52 or >12 unles	s noted)			
12. Are matrices correctly identified or		Yes 🖌	No 🗌	Adjusted?	s noteu)			
13. Is it clear what analyses were requ		Yes 🗹	No 🗌					
14. Were all holding times able to be r (If no, notify customer for authoriza		Yes 🖌	No 🗌	Checked by: T.C. 6.	20.2)			
Special Handling (if applicabl	<u>e)</u>							
15. Was client notified of all discrepar		Yes	No 🗌	NA 🗹				
Person Notified:	Date	: [	NAME OF SECTOR OF SECTOR OF SECTOR OF SECTOR					
By Whom:	Via:	eMail 🗌 P	hone 🗌 Fax	In Person				
Regarding:								
Client Instructions:				anna na anna anna anna anna anna anna				
16. Additional remarks:								
17. <u>Cooler Information</u> Cooler No Temp °C Cond	lition Seal Intact Seal No	Seal Date	Signed By					
1 0.7 Good			2.9.100 Dy					
2 0.1 Good								

Page 1 of 1

L ENV LYSIS allenvironi - Albuqu 5 Fax	RCRA 8 Metals         RCRA 8 Metals         8260 (VOA)         8260 (VOA)         8270 (Semi-VOA)         1000 (Present/Absent)         1000 (Present/Absent)         1000 (Present/Absent)         1000 (Present/Absent)	Page 103 of
HALL ANAL www.hal 4901 Hawkins NE - Tel. 505-345-3975	X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X       X	
Turn-Around Time:	Project Manager: Michael Cont Sampler: Sampler: Cooler I D_Yes D No # of Coolers: 2 Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0, 7 - 0) Cooler Temp(including CF): (0, 0, 0, 2 - 0) Cooler Temp(including CF): (0, 0, 0, 0, 0) Cooler Temp(including CF): (0, 0, 0, 0) Cooler Temp(including CF): (0, 0, 0) Cooler Temp(including CF): (0, 0, 0) Cooler Temp(including CF): (0, 0, 0) Cooler	Received by: Via: Date Time Date Time Date Time Time Date Time Date Time Date Time Date Time Time Date Time Time Time Date Time Time Time Time Time Time Time Tim
		Receiv
Chain-of-Custody Record LUCID ENERSY g Address: ON CI (e)	Magnet Ce) Level 4 (Full Validation)  Az Compliance  Az Compliance  At Az Compliance  At Sample Name  Sw 14. W.C  Sw 15. W.C  SW 16. S.C	SWI7:SIC SWIRIEIC SWIRIEIC SWIRONIC BUNDONIC BUNDONIC BUNDONIC BUNDONIC BUNDONIC BUNDONIC BUNDONIC Relinguished by:
Client: Chain-of Client: Cold Address: Chain-of Mailing Address: Cold Phone #: 214 3	email or Fax#: <sub>IM</sub> QA/QC Package: Candard Accreditation: NELAC NELAC NELAC Date Time I Date Time I Oq0 0 Oq0 0 Oq1 0	



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	/kg	Analyze	d 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	% 69.9-14	0						
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	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/25/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	07/21/2022	Sampling Date:	07/20/2022
Reported:	07/26/2022	Sampling Type:	Soil
Project Name:	RICHARD KNOB	Sampling Condition:	Cool & Intact
Project Number:	KH227001	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM		

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 42.5-16	1						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **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

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Received by OCD: 1/20/2023 9:12:33 AM R affili ŝ R 1

19	101 (010) 000 - 110	BILL TO		ANALYSIS REQUEST
Joseph	on onie	P.O. #:		
		Company: Drange		
City:	State: Zip:	20		
Phone #: 806-544-9276	Fax #:	Address:		
Project #: KH227001	Project Owner:	City:	)	
Project Name: Richard k	ind	State: Zip:		
Project Location:		Phone #:	_	
Sampler Name:		Fax #:		*
FOR LAB USE ONLY	MATRIX	PRESERV.		
	R		le	
Lab I.D. Sample I.D.	(G)RAB OR (C)C # CONTAINERS GROUNDWATEI WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : ATE	CLIONIA BTEX TPH East	
(5-0) 10H ]	× 6	7-20-22	17:50 X	
-			x	
Howle	6 1 1		×	
SHA5 (05)			×	
6 445 (2-3)	6		ĸ	
TLENSC INVIE: Liaumiy and Learninges. Cadulates including and analyses. All claims including those for negligence and any oth service. In no event shall Cardinal be liable for incidental or con artificates or successors arising out of an related to the performan artificates.	FLCHCK MVLE: Looking and Unitingers, calculates allowing and unders exclusive transmission within a strain or minimum of the applicable analyses. All claims including those for negligence and any other cause what shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for inclental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, afficiency services in services action out of or calculated to the optionmore of services horizontal to consider by Cardinal to consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, afficiency services in services or action out of or calculated to the optionmore of services horizonta by Cardinal to accelere of whother such claim is based into any of the above stated reasons or otherwise.	unact or unit, sitial use initiad to the antiourity base g and received by Cardinal within 30 days after ons, loss of use, or loss of profits incurred by cl size is based upon any of the above stated rea-	completion of the applicable lient, its subsidiaries, sons or otherwise	
shed By:	Date: 1-20-2.2 Received By: Time:	011/1/0	are emailed.	No Add'I Phone #: Please provide Email address:
Relinguished By:	Date: Received By:	a man	REMARKS:	
	Time:			
Delivered By: (Circle One) C Sampler - UPS - Bus - Other: C	Observed Temp. °C     0, l ℓ     Cool     Intact       Corrected Temp. °C     -0, 5 ℓ     □     Yes     Yes       -0, 5 ℓ     □     No     No	ndition CHECKED BV: ct (Initials) Yes 4.0	Turnaround Time: Standard Rush Thermometer ID #113 Correction Factor -0.≹℃ T_C, \2.1/	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes Nc No Corrected Temp. °C
	+ Cardinal cannot accept verbal changes. Please email changes to celey.kee	hanges. Please email char	iges to celey.keene@cardinallabsnm.com	snm.com

# 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:* <u>New Mexico</u> State Land Office

# Nature and Volume of Release

	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf) 5086 MCF	Volume Recovered (Mcf) 0 MCF
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
on the	elease was caused by corrosion in the pip e bottom of the pipe. The large volume los n approximately in early September 2020.	st was due to the timeline of the leak which

	3 9:12:33 AM State of New Mexico		Incident ID	Page 115 o NRM2033835509
e 2	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
				1
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the resp This is considered a major releas			
🗹 Yes 🗌 No				
Immediate notice w	otice given to the OCD? By whom? To as provided to OCD District 2, Iculations were reported.			
	Initial	Response		
The responsible	party must undertake the following actions immedia	ately unless they could cr	reate a safety hazard that wo	uld result in injury
$\checkmark$ The source of the rele	anse has been stonned			
		1.1 .		
	s been secured to protect human health a			
Released materials have	1		1 .1	
	ave been contained via the use of berms o	-		ent devices.
	ecoverable materials have been removed	-		ent devices.
All free liquids and re		and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and re	ecoverable materials have been removed	and managed approp		ent devices.
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach	ecoverable materials have been removed	and managed approp in why: e remediation imme al efforts have been	priately. diately after discovery successfully complete	of a release. If remediation
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	ecoverable materials have been removed d above have <u>not</u> been undertaken, explai AC the responsible party may commence a narrative of actions to date. If remedia	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s	diately after discovery successfully complete aformation needed for c lge and understand that pur rm corrective actions for r re the operator of liability surface water, human hea	of a release. If remediation ad or if the release occurred closure evaluation. ursuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: Michael	Ac the responsible party may commence a narrative of actions to date. If remedia a tarea (see 19.15.29.11(A)(5)(a) NMAC) rmation given above is true and complete to the required to report and/or file certain release n ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator <b>Gant</b>	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s of responsibility for co Title: Enviro	diately after discovery diately after discovery successfully complete formation needed for c lge and understand that pur m corrective actions for r e the operator of liability surface water, human hea ompliance with any other	of a release. If remediation and or if the release occurred closure evaluation. rrsuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: Michael	Ac the responsible party may commence a narrative of actions to date. If remedia a tarea (see 19.15.29.11(A)(5)(a) NMAC) rmation given above is true and complete to the required to report and/or file certain release n ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator <b>Gant</b>	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s of responsibility for co Title: Enviro	diately after discovery diately after discovery successfully complete formation needed for c lge and understand that pur m corrective actions for r e the operator of liability surface water, human hea ompliance with any other	of a release. If remediation ad or if the release occurred closure evaluation. rrsuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: Michael	Ecoverable materials have been removed d above have <u>not</u> been undertaken, explain the acception of actions to date. If remediant anarrative of actions to date. If remediant area (see 19.15.29.11(A)(5)(a) NMAC) required to report and/or file certain release n nent. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s of responsibility for co Title: Enviro	diately after discovery diately after discovery successfully complete formation needed for c lge and understand that pur m corrective actions for r e the operator of liability surface water, human hea ompliance with any other	of a release. If remediation ed or if the release occurred closure evaluation. rrsuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: Michael	Ac the responsible party may commence a narrative of actions to date. If remedia a tarea (see 19.15.29.11(A)(5)(a) NMAC) rmation given above is true and complete to the required to report and/or file certain release n ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator <b>Gant</b>	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s of responsibility for co Title: Enviro	diately after discovery diately after discovery successfully complete formation needed for c lge and understand that pur m corrective actions for r e the operator of liability surface water, human hea ompliance with any other	of a release. If remediation ed or if the release occurred closure evaluation. rrsuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws
All free liquids and ro If all the actions described Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: Michael Signature: Mgant email: MGant@lucid-operators OCD Only	Ac the responsible party may commence a narrative of actions to date. If remedia a tarea (see 19.15.29.11(A)(5)(a) NMAC) rmation given above is true and complete to the required to report and/or file certain release n ment. The acceptance of a C-141 report by the ate and remediate contamination that pose a the f a C-141 report does not relieve the operator <b>Gant</b>	and managed approp in why: e remediation imme al efforts have been ), please attach all in he best of my knowled otifications and perfor e OCD does not reliev hreat to groundwater, s of responsibility for co 	diately after discovery diately after discovery successfully complete aformation needed for c lge and understand that pur m corrective actions for r the operator of liability surface water, human hea ompliance with any other onmental Coordinate (2020	of a release. If remediation ed or if the release occurred closure evaluation. rrsuant to OCD rules and eleases which may endanger should their operations have lth or the environment. In federal, state, or local laws

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1onth Blowdown Occu	rred Noven	nber	Year	202	20
ite	AP-Four Dinkus		Employee Name	Frankie Soto	
	Kn	own (Station) Volumes			
All red fields	s per event must be entered to calculate volu Numbe		should be entered if known for Known Volume (MCF)	increased accurat	
Type of	Blowdown Occura		Blowdown		Volume (MC
		Multiplied by		Equals	
		Multiplied by		Equals	
		Multiplied by		Equals	
	<u>Calcula</u>	ated (Pipeline) Volume	<u>s</u>		
	Blowdown(s)		Purge/Ven		
eference Meter umber	Blowdown (MCF)	Reference Meter Number		Volume Lost (MCF)	<b>5,086.9</b> 2
pe ID (in)	Length (Feet)	Beginning Date & Time	09/01/2020 09:00	Vent Duration (Hours)	1,920.00
egin Press. SIG)	End Press. (PSIG)	Ending Date & Time	11/20/2020 09:00	Gas Temp	
as Temp.	Specific Gravity	Pipe ID (in)	6in Sch. 40	Specific Gravity	
evation (ft)		Orifice Size (in)	0.25	Elevation (ft)	
		Avg Pressure	34.00		
ference Meter umber	Blowdown (MCF)	Reference Meter Number		Volume Lost (MCF)	
pe ID (in)	Length (Feet)	Beginning Date & Time		Vent Duration (Hours)	
gin Press. SIG)	End Press. (PSIG)	Ending Date & Time		Gas Temp	
as Temp.	Specific Gravity	Pipe ID (in)		Specific Gravity	
evation (ft)		Orifice Size (in)		Elevation (ft)	
		Avg Pressure			
eference Meter umber	Blowdown (MCF)	Reference Meter Number		Volume Lost (MCF)	
pe ID (in)	Length	Beginning Date &		Vent Duration	
egin Press.	(Feet) End Press.	Time		(Hours)	
gin Press. SIG)	(PSIG)	Ending Date & Time		Gas Temp	
as Temp.	Specific Gravity	Pipe ID (in)		Specific Gravity	
evation (ft)		Orifice Size (in)		Elevation (ft)	
		Avg Pressure			
			Total Vo	lume (MCF):	5,086.91
	lateral. This leak appears to have	<u>Comments:</u>			

# 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

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

### CONDITIONS

Created By		Condition Date
jharimon	None	1/24/2023

Action 177886