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	NAPP2121158260
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Lucid Energy Delaware, LLC.	OGRID 372422	
Contact Name Michael Gant	Contact Telephone 3143307876	
Contact email MGant@lucid-energy.com	Incident # (assigned by OCD)	
Contact mailing address 201 South 4th Street Artesia NM 88210		

Location of Release Source

Latitude 32.248184°

Longitude -103.972489°

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Juniper 8" Lateral #3	Site Type Natural gas pipeline
Date Release Discovered 7/27/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	3	24S	29E	Eddy

Surface Owner: State V Federal Tribal Private (Name: Bureau of Land Management

Nature and Volume of Release

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

 Crude Oil
 Volume Released (bbls)
 Volume Recovered (bbls)

	volume Released (bbls)	volume Recovered (bbis)
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) >500 MCF	Volume Recovered (Mcf) 0 MCF
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
	Pipeline liquids 5 gal	Pipeline liquids 5 gal
C	alaaaa waa aayaad by birdh lina mraaayra y	which caused a runture at a weld along the
cause of Release The report poly li	ne.	which caused a rupture at a weld along the
cause of Release The report poly li	ne.	which caused a rupture at a weld along the
cause of Release The repoly li	ne.	which caused a rupture at a weld along the
Cause of Release The repoly li	ne.	which caused a rupture at a weld along the

Received by OCD:	2/18/2022 1:00:04 PM	

Page	2
1 ugo	_

Oil Conservation Division

Incident ID	NAPP2121158260
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release due to the total lost volume of natural gas of >500 MCF.
Ves No	
If VES was immediate n	tice given to the OCD? By whom? To whom? When and by what means (nhone email etc)?
II I LS, was inificate in	once given to the OCD. By whom: To whom: When and by what means (phone, eman, etc).
Immediate notice was	s not provided to OCD, as Lucid did not have immediate and accurate volume calculations
of the loss. Once volu	ume loss had been confirmed Lucid EHSR immediately notified OCD and BLM personnel
on 7/30/2021 via ema	ail and OCD online NOR form.

Initial Response

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

 \checkmark The source of the release has been stopped.

 \checkmark The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Drinted Name:	Michael	Gant
Printed Name	1011011001	Cun

Signature: M.Gant

email: MGant@lucid-energy.com

Title: Environmental Coordinator

Date: 7/30/2021 Telephone: 3143307876

OCD Only

Received by:

Ramona Marcus

Date: 8/2/2021

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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:
LUCID ENERGY DELAWARE, LLC	372422
201 S. Fourth Street	Action Number:
Artesia, NM 88210	39032
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/2/2021

CONDITIONS

Page Scof 118

Action 39032

Page 3

Site Assessment/Characterization

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

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

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

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

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

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

Received by OCD: 2/18/2	022 1:00:04 PM			Page 5 of 2
101111 (-141			Incident ID	NAPP2121158260
Page 4	Oil Conservation Divisi	ion	District RP	
			Facility ID	
			Application ID	
regulations all operators a public health or the enviro failed to adequately inves addition, OCD acceptance and/or regulations. Printed Name: Micha Signature: Mga email: Mgant@luci	re required to report and/or file certain release nment. The acceptance of a C-141 report by igate and remediate contamination that poses of a C-141 report does not relieve the operat el Gant ent d-energy.com	e notifications and perform c the OCD does not relieve th a threat to groundwater, surf tor of responsibility for comp Title: Environme Date: 2/18/2022 Telephone: 314-3	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe ental Complianc	eases which may endanger nould their operations have a or the environment. In ederal, state, or local laws e Manager
OCD Only Received by:		Date:		

Oil Conservation Division

Incident ID	NAPP2121158260
District RP	
Facility ID	
Application ID	

Page 6 of 118

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)

 \checkmark 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: Michael Gant Title: Environmental Compliance Manager

Signature:*Mgant*Date:2/18/2022email:Mgant@lucid-energy.comTelephone:314-330-7876

Telephone: 314-330-7876

OCD Only

Received by:

Date:

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:
Printed Name:	Title:

WSP USA

3300 North "A" Street Building 1, Unit 222 Midland, Texas 79705 432.704.5178

January 25, 2022

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: Closure Request Juniper 8 Lateral #3 Incident Numbers nAB1927551697 and nAPP2121158260 Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Lucid Energy Group. (Lucid), is pleased to present the following Closure Request detailing remedial activities at the Juniper 8 Lateral #3 (Site) located in Unit F, Section 3, Township 24 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following a release of natural gas and/or pipeline liquids at the Site. Based on the excavation activities and results of the delineation and confirmation soil sampling event, Lucid is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Numbers nAB1927551697 and nAPP2121158260.

RELEASE BACKGROUND

nAB1927551697

On September 5, 2019, a rupture at a weld on a poly line resulted in the release of 750 thousand cubic feet (MCF) of natural gas at the Site. Lucid reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141 on September 6, 2019 and was assigned Incident Number nAB1927551697. Excavation activities were completed by Lucid. A total of 100 cubic yards of soil was removed and staged onsite on top an impermeable liner. After completion of excavation activities, the excavation areas were secured with fencing.

On September 14, 2021, Mr. Chad Hensley with the NMOCD denied the original Closure Request based on the following reasons:

• A "Right of Way" is considered Off-Pad and is to be treated like it is in the pasture. Roads, Pasture, and "Right of Ways" are all considered Off-Pad and need to meet the strictest closure criteria for soil standards in the top 4' of soil/material (Equivalent: <50' depth to groundwater). wsp

District II Page 2

• Sample points Mist 1, #2 south wall, #3 base do not meet closure criteria.

On September 14, 2021, Lucid communicated with NMOCD that the above requirements would be addressed during upcoming remediation activities associated with Incident Number nAPP2121158260 (described below) as it overlapped the subject release.

nAPP2121158260

On July 27, 2021, high line pressure caused a rupture at a weld along a poly line and resulted in the release of greater than 500 MCF of natural gas and 5 gallons (gal) of pipeline liquid at the Site. Pipeline liquids were not able to be recovered immediately. Lucid reported the release to NMOCD on a Form C-141 on July 26, 2021 and was assigned Incident Number nAPP2121158260.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) through a desktop search of potential sensitive receptors as well as referencing an NMOCD approved site characterization of the Site associated with Incident Number nAB1922059305 which included a groundwater depth determination of greater than 100 feet below ground surface (bgs) based on regional water well data. The Closure Request Report and characterization associated with Incident Number nAB1922059305 was subsequently approved by NMOCD on June 24, 2021.

The closest continuously flowing or significant watercourse to the Site is the Pecos River, located approximately 2.15 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg;

vsp

District II Page 3

- TPH: 2,500 mg/kg; and
- Chloride: 20,000 mg/kg.

A reclamation closure criteria of 100 mg/kg TPH and 600 mg/kg chloride was applied to the top 4 feet of the pasture area impacted by the release, per NMAC 19.15.29.13.D (1) for areas that will be reclaimed immediately following remediation.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

During August 2021, Lucid conducted additional excavation activities to address impacts associated with Incident Number nAPP2121158260 and residual impacts associated with Incident Number nAB1927551697. A total of approximately 150 cubic yards of impacted soil was removed following excavation activities. The impacted soil was staged onsite on top of an impermeable liner. After completion of excavation activities, the excavation area was secured with fencing.

On October 18, 2021, WSP visited to the Site to conduct confirmation sampling activities and verify the absence or presence of any residual impacted and/or waste-containing soil within the excavation area as indicated by field screening. Excavation confirmation soil samples were field screened for volatile aromatic hydrocarbons using a calibrated photoionization detector (PID) and chloride using Hach[®] chloride QuanTab[®] test strips.

WSP collected 5-point composite soil samples to represent at most 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 feet bgs. Soil samples FS01 through FS08 were collected from the floor of the excavation at 5 feet bgs. The excavation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler initials, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Based on laboratory analytical results for sidewall confirmation soil samples SW04 and SW05 exceeding the Closure Criteria for chloride, additional excavation appeared warranted to address residual chloride impacts.

On December 28, 2021 WSP returned to the Site to continue excavation activities in the vicinity of sample locations SW04 and SW05. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride. Following removal of impacted soil, WSP collected



District II Page 4

5-point composite soil samples at least every 200 square feet from the sidewalls of the excavation. Composite soil samples SW07 and SW08 were collected from the extended sidewalls of the excavation from the ground surface to 7 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The final excavation extent and excavation soil sample locations are presented on Figure 3. Photographic documentation is included in Attachment 1.

A total of approximately 150 cubic yards of impacted soil was removed during final excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Landfill Facility under Lucid approved manifests.

DELINEATION AND SOIL SAMPLING ACTIVITIES

nAB1927551697

To address the deficiencies addressed by NMOCD in the September 14, 2021 denial email, WSP personnel conducted delineation activities between December 29 and 30, 2021 to assess the presence or absence of impacts to soil associated with the subject release. Utilizing a hand auger, four delineation soil samples (SS01 through SS04) were advanced in close proximity to the original sample locations¹ to confirm the presence or absence of residual soil impacts from the hydrocarbon mist. Delineation activities were directed by field screening soil samples for volatile aromatic hydrocarbons and chloride. A total of two soil samples were collected from each of the borehole locations: the sample with the highest observed field screening concentrations (approximately 0.5-foot bgs) and the greatest depth (1 foot bgs). The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The delineation sample locations were mapped utilizing a handheld GPS unit and are presented on Figure 3. Field screening results and observations for the delineation soil samples were recorded on lithologic/soil sampling logs and are presented in Attachment 2.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation and final excavation confirmation soil samples indicated concentrations of benzene, BTEX, TPH and chloride were compliant with the Closure Criteria and reclamation standard. Laboratory analytical results are summarized in Table 1 and the laboratory analytical report is included as Attachment 3.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site by Lucid to address the September 5, 2019 and July 27, 2021 release of natural gas and/or pipeline fluid. At the

¹ Samples location correlate with Mist #1 through Mist #4 soil sample location areas presented on Figure 5 in Incident Number nAB1927551697 Closure Request Report.



District II Page 5

completion of remediation activities for the two releases, a total of approximately 400 cubic yards of impacted soil were removed during final excavation activities. Laboratory analytical results for final excavation confirmation and delineation soil samples indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the reclamation and Closure Criteria. Laboratory analytical results for remediation associated with nAPP2121158260 indicated remediation was achieved for nAB1927551697 as it occurred in the same excavation area.

Based on analytical results from the December 2021 confirmation sampling event, portions of the excavation that did not meet the Closure Criteria, specifically #2 south wall and #3 base, have been adequately remediated based on confirmation soil samples SW08 and FS05 and FS06, respectively. Analytical results for soil samples SS01 through SS04 indicate there is an absence of soil impacts in the vicinity of the historically analyzed Mist #1 through Mist #4, therefore no additional remedial activities appear warranted in those locations. During remedial activities that were taken to address soil impacts associated with Incident Number nAPP2121158260, deficiencies identified for Incident Number nAB1927551697 appear to have been rectified.

Based on the soil sample analytical results, Lucid has sufficiently remediated impacted soils and as such, no further remediation appears warranted. Following review and approval of the Closure Request, Lucid will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The subject area will also be reseeded with a Bureau of Land Management (BLM)-approved seed mix. WSP and Lucid believe these remedial actions are protective of human health, the environment, and groundwater. As such, Lucid respectfully requests NFA for Incident Numbers nAPP2121158260 and nAB1927551697.

If you have any questions or comments, please do not hesitate to contact Mr. Daniel Moir at (303) 887-2946.

Sincerely,

WSP USA Inc.

syn S. Holy

Joseph S. Hernandez Consultant, Geologist

Daniel R. Moir, P.G. Sr. Lead Consultant, Geologist



District II Page 6

cc: Michael Gant, Lucid Bureau of Land Management NMOCD

Attachments:

- Figure 1 Site Location Map
- Figure 2 Excavation Soil Sample Locations
- Figure 3 Delineation Soil Sample Locations
- Table 1Soil Analytical Results
- Attachment 1 Photographic Log
- Attachment 2 Lithologic/Soil Sampling Logs
- Attachment 3 Laboratory Analytical Reports

FIGURES

Released to Imaging: 3/21/2022 3:21:33 PM



Released to Imaging: 3/21/2022 3:21:33 PM

C:Users\USJG689584\OneDrive - WSP O365\Documents\31403665.000_JUNIPER 8 LATERAL 3\MXD\31403665.000_FIG01_SL_RECEPTOR_2022.mxd





TABLES

Released to Imaging: 3/21/2022 3:21:33 PM

•

Table 1

Soil Analytical Results Juniper 8'' Lateral #3 Incident Number nAPP2121158260 and nAB1927551697 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Floor Soi	il Samples - nAPP2	121158260								
FS01	10/18/2021	5	< 0.025	< 0.10	<9.8	<5.0	<49	<9.8	<49	300
FS02	10/18/2021	5	< 0.025	< 0.10	<9.1	<4.9	<46	<9.1	<46	110
FS03	10/18/2021	5	< 0.024	<0.10	<9.8	<4.8	<49	<9.8	<49	290
FS04	10/18/2021	5	< 0.024	< 0.09	9.4	<4.7	<46	9.4	9.4	300
FS05	10/18/2021	5	< 0.024	< 0.09	<9.6	<4.7	<48	<9.6	<48	310
FS06	10/18/2021	5	< 0.023	< 0.09	<9.5	<4.7	<48	<9.5	<48	410
FS07	10/18/2021	5	< 0.024	< 0.09	<9.1	<4.7	<46	<9.1	<46	290
FS08	10/18/2021	5	< 0.024	<0.09	13	<4.7	<49	13	13	360
Excavation Sidewall	Soil Samples - nAP	P2121158260								
SW01	10/18/2021	0 - 5	< 0.023	<0.09	<9.0	<4.6	<45	<9.0	<45	250
SW02	10/18/2021	0 - 5	<0.023	<0.09	<9.2	<4.7	<46	<9.2	<46	600
SW03	10/18/2021	0 - 5	< 0.024	<0.10	<9.3	<4.8	<46	<9.3	<46	220

•

Table 1

Soil Analytical Results Juniper 8'' Lateral #3 Incident Number nAPP2121158260 and nAB1927551697 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
SW04	10/18/2021	0 - 5	< 0.023	<0.09	<8.8	<4.7	<44	<8.8	<44	1,100
SW07	12/28/2021	0 - 7	< 0.019	< 0.08	<3.8	<9.3	<47	<9.3	<47	360
SW05	10/18/2021	0 - 5	< 0.023	<0.09	<9.6	<4.6	<48	<9.6	<48	920
SW09	12/28/2021	0 - 7	< 0.020	< 0.08	<4.0	<9.5	<47	<9.5	<47	200
SW06	10/18/2021	0 - 5	< 0.023	<0.09	<9.4	<4.6	<47	<9.4	<47	110
Horizontal Delineati	on Soil Samples - n/	AB1927551697								
SS01	12/29/2021	0.5	< 0.018	< 0.07	<3.6	<9.9	<50	<9.9	<50	350
SS01A	12/29/2021	1	< 0.021	<0.08	<4.2	<10	<50	<10	<50	250
SS02	12/30/2021	0.5	< 0.020	< 0.08	<4.0	<9.2	<46	<9.2	<46	110
SS02A	12/30/2021	1	< 0.017	< 0.07	<3.3	10	<45	10	10	<60

Table 1

Soil Analytical Results Juniper 8'' Lateral #3 Incident Number nAPP2121158260 and nAB1927551697 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
SS03	12/29/2021	0.5	< 0.022	< 0.09	<4.3	<10	<50	<10	<50	<60
SS03A	12/29/2021	1	< 0.016	< 0.06	<3.2	<9.8	<49	<9.8	<49	<60
SS04	12/29/2021	0.5	< 0.017	< 0.07	<3.4	<9.9	<49	<9.9	<49	120
SS04A	12/29/2021	1	< 0.019	< 0.08	<3.9	<9.9	<49	<9.9	<49	75

Notes

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Greyed data represents samples that were excavated

Released to Imaging: 3/21/2022 3:21:33 PM



	PHOTOGRAPHIC LOG	
Lucid Energy Group	Juniper 8 Lateral #3	31403665.000
	Eddy County, New Mexico	

Photo No.	Date
1	October 18, 2021
View of the su during the s	bject excavation ite assessment

Photo No.	Date
2	October 18, 2021
View of the sub	bject release area
during deline.	ation activities.

•

wsp

		PHOTOGRAPHIC LOG	
Lucid Energy	/ Group	Juniper 8 Lateral #3	31403665.000
		Eddy County, New Mexico	

Photo No.	Date	
2	December 28,	
3	2021	
View of the e	xcavation during	and a state of the
additional remo	ediation activities.	

Photo No.	Date	
4	December 28,	
4	2021	
View of the ex	cavation during	
additional reme	diation activities.	

.

-			0 4	
Page	25	n	t 1	78
Iusu	<i>4 0</i>	v		10

		_			WC				SS Name:		Date:	
					VVS	PUSA			SS01		12/29/2021	
				5	08 West S	Stevens S	Street		Site Name: Juniper	8 Late	ral #3	
				Carl	sbad, Ne	w Mexico	88220		RP or Incident Numb	er:	nAB1927551697	
									Job Number:	314	403665.000	
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO	G		Logged By: MR		Method:	Hand Auger
Lat/Lor 32.248	ng: 184°103	3.972489	b		Field Scre	ening: PID			Hole Diameter:		Total Depth:	
Comm	ents:				omonuc,				0			
SAA - S	Same As /	Above										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lith	ology	//Remarks	
Dry Dry	<151.2	1.4 1.0	N/A N/A	SS01 SS01A	0.5'	0.5'	CCHE	Dry light no cohe SAA	tan CALICHE, po siveness, fine-gra	oorly- ained	cemented, no sand with silt r	plasticity, natrix, no odor
,			, / .					Total De	pth: 1'			

73		-		0.1	
Page	1	h	0	t I	18
1 HSC	-	•	v.		10

					WS	PUSA			SS Name: SS02		Date: 12/30/2021	
				5	08 West 9	Stevens S	Street		Site Name: Juniper	8 Late	ral #3	
				Carl	sbad, Ne	w Mexico	88220		RP or Incident Numb	per:	nAB1927551697	
									Job Number:	314	403665.000	
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO	G		Logged By: BB		Method:	Hand Auger
Lat/Lon	ig:	0.70400	0		Field Scre	ening:			Hole Diameter:		Total Depth:	
32.248 Comme	184°, -103 ents:	3.972489			Chloride,	PID			3"		1'	
SAA - S	Same As	Above										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lith	nology	/Remarks	
Dry Dry	<124	0.6	N/A N/A	SS02 SS02A	0.5'	0.5	CCHE	Dry light no cohe SAA	tan CALICHE, po siveness, fine-gra	oorly- ained	cemented, no sand with silt r	plasticity, natrix, no odor
Diy	N147	0.0	1 1/7	JUULA	_			Total De	pth: 1'			

Page	27	0	f 1	18
	_	· · · ·	-	

	• • •	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 LITHOLOGIC / SOIL SAMPLING LOG Field Screening:				SS Na SS03 Site Na RP or I Job Nu Logged	SS Name: Date: SS03 12/29/2021 Site Name: Juniper 8 Lateral #3 RP or Incident Number: nAB1927551697 Job Number: 31403665.000 Logged By: BB Method: Hand Auger					
Lat/Lo 32.24 Comr SAA	ong: 8184°, -103 nents: - Same As	3.972489 Above	D		Field Scre Chloride,	eening: PID		Hole D 3"	liameter:		Total Depth: 1'	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lith	iology	/Remarks	
Dry	<124	1.0	N/A	SS03	0.5'	0.5	CCHE	Dry light tan C. no cohesivene	ALICHE, po ess, fine-gra	oorly- ained	cemented, no sand with silt r	plasticity, natrix, no odor

Dana	20	_	1 1	10
Page	20	0	[]	10

				W/S	Λ2Η Ο			SS Name:		Date:	
				000	r USA			SS04		12/29/2021	
			5	08 West S	Stevens S	Street		Site Name: Juniper	8 Late	ral #3	
			Carl	spad, Ne	wiviexico	88220		RP or Incident Numb	per:	nAB1927551697	
								Job Number:	314	403665.000	
1 4 0	LITH	OLOG	SIC / SOIL	. SAMPL	ING LO	G		Logged By: BB		Method:	Hand Auger
Lat/Long: 32.248184°, -1	03.972489	0		Fleid Scre Chloride,	ening: PID			Hole Diameter: 3"		1 otal Depth: 1'	
Comments:				,				1			
SAA - Same A	s Above	1									
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lith	ology	y/Remarks	
Dry <124	1.2	N/A	SS04	0.5'	0.5	CCHE	Dry light no cohe	tan CALICHE, po siveness, fine-gra	oorly- ained	cemented, no sand with silt r	plasticity, natrix, no odor
Diy \124	0.0	11/7	0004A		1		Total De	pth: 1'			

Released to Imaging: 3/21/2022 3:21:33 PM



November 01, 2021

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.: 2110B24

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 9 sample(s) on 10/23/2021 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

Project:

CLIENT: Lucid Energy Delaware

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS02 Collection Date: 10/18/2021 11:20:00 AM Received Date: 10/23/2021 9:15:00 AM

Lab ID: 2110B24-001	Matrix: SOIL	Received Date: 10/23/2021 9:15:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	10/29/2021 6:05:45 PM			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/29/2021 6:05:45 PM			
Surr: DNOP	113	70-130	%Rec	1	10/29/2021 6:05:45 PM			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/28/2021 11:19:02 PM			
Surr: BFB	101	70-130	%Rec	1	10/28/2021 11:19:02 PM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	0.025	mg/Kg	1	10/28/2021 11:19:02 PM			
Toluene	ND	0.049	mg/Kg	1	10/28/2021 11:19:02 PM			
Ethylbenzene	ND	0.049	mg/Kg	1	10/28/2021 11:19:02 PM			
Xylenes, Total	ND	0.099	mg/Kg	1	10/28/2021 11:19:02 PM			
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	10/28/2021 11:19:02 PM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	110	60	mg/Kg	20	10/29/2021 3:50:05 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 1 of 14

Project:

CLIENT: Lucid Energy Delaware

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS05 Collection Date: 10/18/2021 12:00:00 PM

Lab ID: 2110B24-002 Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 10/29/2021 6:16:56 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/29/2021 6:16:56 PM Surr: DNOP 121 70-130 %Rec 1 10/29/2021 6:16:56 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/28/2021 11:42:20 PM 4.7 mg/Kg 1 Surr: BFB 100 70-130 %Rec 1 10/28/2021 11:42:20 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/28/2021 11:42:20 PM 1 Toluene ND 0.047 mg/Kg 1 10/28/2021 11:42:20 PM Ethylbenzene ND 0.047 mg/Kg 1 10/28/2021 11:42:20 PM Xylenes, Total ND 0.094 mg/Kg 1 10/28/2021 11:42:20 PM Surr: 4-Bromofluorobenzene 85.2 70-130 %Rec 1 10/28/2021 11:42:20 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 310 60 10/29/2021 4:02:29 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 14

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware Client Sample ID: SW01 **Project:** Juniper 8 inch Lateral 3 Collection Date: 10/18/2021 1:00:00 PM Lab ID: 2110B24-003 Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.0 mg/Kg 1 10/29/2021 6:28:05 PM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 10/29/2021 6:28:05 PM Surr: DNOP 70-130 %Rec 1 10/29/2021 6:28:05 PM 119 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/29/2021 12:05:35 AM 4.6 mg/Kg 1 Surr: BFB 98.7 70-130 %Rec 1 10/29/2021 12:05:35 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/29/2021 12:05:35 AM 1 Toluene ND 0.046 mg/Kg 1 10/29/2021 12:05:35 AM Ethylbenzene ND 0.046 mg/Kg 1 10/29/2021 12:05:35 AM Xylenes, Total ND 0.093 mg/Kg 1 10/29/2021 12:05:35 AM Surr: 4-Bromofluorobenzene 84.6 70-130 %Rec 1 10/29/2021 12:05:35 AM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 250 60 10/29/2021 5:04:34 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 3 of 14

CLIENT: Lucid Energy Delaware

Project: Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS04 Collection Date: 10/18/2021 2:00:00 PM

Lab ID: 2110B24-004	Matrix: SOIL	Rece	Received Date: 10/23/2021 9:15:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	9.4	9.1	mg/Kg	1	10/28/2021 11:12:26 AM			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/28/2021 11:12:26 AM			
Surr: DNOP	109	70-130	%Rec	1	10/28/2021 11:12:26 AM			
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/29/2021 12:28:57 AM			
Surr: BFB	100	70-130	%Rec	1	10/29/2021 12:28:57 AM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	0.024	mg/Kg	1	10/29/2021 12:28:57 AM			
Toluene	ND	0.047	mg/Kg	1	10/29/2021 12:28:57 AM			
Ethylbenzene	ND	0.047	mg/Kg	1	10/29/2021 12:28:57 AM			
Xylenes, Total	ND	0.094	mg/Kg	1	10/29/2021 12:28:57 AM			
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	1	10/29/2021 12:28:57 AM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	300	59	mg/Kg	20	10/29/2021 5:16:58 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 4 of 14

Project:

Lab ID:

CLIENT: Lucid Energy Delaware

2110B24-005

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: FS03

 Collection Date: 10/18/2021 2:10:00 PM

 Matrix: SOIL
 Received Date: 10/23/2021 9:15:00 AM

 Result
 RL Qual Units
 DF
 Date Analyzed

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/28/2021 11:22:59 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/28/2021 11:22:59 AM
Surr: DNOP	71.5	70-130	%Rec	1	10/28/2021 11:22:59 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/29/2021 12:52:19 AM
Surr: BFB	99.4	70-130	%Rec	1	10/29/2021 12:52:19 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/29/2021 12:52:19 AM
Toluene	ND	0.048	mg/Kg	1	10/29/2021 12:52:19 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/29/2021 12:52:19 AM
Xylenes, Total	ND	0.096	mg/Kg	1	10/29/2021 12:52:19 AM
Surr: 4-Bromofluorobenzene	84.0	70-130	%Rec	1	10/29/2021 12:52:19 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	290	60	mg/Kg	20	10/29/2021 5:29:22 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 5 of 14

Surr: 4-Bromofluorobenzene

Chloride

Analytical Report Lab Order 2110B24

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/1/2021 **CLIENT:** Lucid Energy Delaware Client Sample ID: FS07 **Project:** Juniper 8 inch Lateral 3 Collection Date: 10/18/2021 2:20:00 PM Lab ID: 2110B24-006 Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.1 mg/Kg 1 10/28/2021 11:33:35 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/28/2021 11:33:35 AM Surr: DNOP 85.7 70-130 %Rec 1 10/28/2021 11:33:35 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/29/2021 1:15:37 AM 4.7 mg/Kg 1 Surr: BFB 97.9 70-130 %Rec 1 10/29/2021 1:15:37 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/29/2021 1:15:37 AM 1 Toluene ND 0.047 mg/Kg 1 10/29/2021 1:15:37 AM Ethylbenzene ND 0.047 mg/Kg 1 10/29/2021 1:15:37 AM Xylenes, Total ND 0.095 mg/Kg 1 10/29/2021 1:15:37 AM

EPA METHOD 300.0: ANIONS 290 60 10/29/2021 5:41:47 PM ma/Ka 20

70-130

%Rec

1

10/29/2021 1:15:37 AM

Analyst: CAS

84.6

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 6 of 14
Project:

Lab ID:

CLIENT: Lucid Energy Delaware

2110B24-007

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS08 Collection Date: 10/18/2021 2:40:00 PM Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	13	9.7	mg/Kg	1	10/28/2021 11:44:12 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/28/2021 11:44:12 AM
Surr: DNOP	114	70-130	%Rec	1	10/28/2021 11:44:12 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/29/2021 1:38:53 AM
Surr: BFB	97.4	70-130	%Rec	1	10/29/2021 1:38:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/29/2021 1:38:53 AM
Toluene	ND	0.047	mg/Kg	1	10/29/2021 1:38:53 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/29/2021 1:38:53 AM
Xylenes, Total	ND	0.094	mg/Kg	1	10/29/2021 1:38:53 AM
Surr: 4-Bromofluorobenzene	83.8	70-130	%Rec	1	10/29/2021 1:38:53 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	360	59	mg/Kg	20	10/29/2021 5:54:11 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 14

Project:

CLIENT: Lucid Energy Delaware

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW06 Collection Date: 10/18/2021 3:00:00 PM Received Date: 10/23/2021 9:15:00 AM

Lab ID: 2110B24-008	Matrix: SOIL	Reco	eived Date:	10/23/	2021 9:15:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/28/2021 11:54:48 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/28/2021 11:54:48 AM
Surr: DNOP	76.3	70-130	%Rec	1	10/28/2021 11:54:48 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/29/2021 2:48:27 AM
Surr: BFB	97.1	70-130	%Rec	1	10/29/2021 2:48:27 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	10/29/2021 2:48:27 AM
Toluene	ND	0.046	mg/Kg	1	10/29/2021 2:48:27 AM
Ethylbenzene	ND	0.046	mg/Kg	1	10/29/2021 2:48:27 AM
Xylenes, Total	ND	0.093	mg/Kg	1	10/29/2021 2:48:27 AM
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	10/29/2021 2:48:27 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	59	mg/Kg	20	10/29/2021 6:06:35 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 8 of 14

Analytical Report Lab Order 2110B24

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware Client Sample ID: SW03 **Project:** Juniper 8 inch Lateral 3 Collection Date: 10/18/2021 3:30:00 PM Lab ID: 2110B24-009 Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 10/28/2021 12:05:23 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/28/2021 12:05:23 PM Surr: DNOP 71.6 70-130 %Rec 1 10/28/2021 12:05:23 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/29/2021 3:11:36 AM 4.8 mg/Kg 1 Surr: BFB 94.5 70-130 %Rec 1 10/29/2021 3:11:36 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/29/2021 3:11:36 AM 1 Toluene ND 0.048 mg/Kg 1 10/29/2021 3:11:36 AM Ethylbenzene ND 0.048 mg/Kg 1 10/29/2021 3:11:36 AM Xylenes, Total ND 0.097 mg/Kg 1 10/29/2021 3:11:36 AM Surr: 4-Bromofluorobenzene 81.0 70-130 %Rec 1 10/29/2021 3:11:36 AM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 220 60 10/29/2021 6:19:01 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 9 of 14

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Lucid I	Energy Delaware r 8 inch Lateral 3									
110jeet.	Jumper										
Sample ID:	MB-63648	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID:	PBS	Batch ID: 63648	RunNo: 82473								
Prep Date:	10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926254	Units: mg/Kg							
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Chloride		ND 1.5									
Sample ID:	LCS-63648	SampType: Ics	TestCode: EPA Method	300.0: Anions							
Client ID:	LCSS	Batch ID: 63648	RunNo: 82473								
Prep Date:	10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926255	Units: mg/Kg							
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Chloride		14 1.5 15.0	0 90.5 90	110							
Sample ID:	MB-63658	SampType: mblk	TestCode: EPA Method	300.0: Anions							
Client ID:	PBS	Batch ID: 63658	RunNo: 82473								
Prep Date:	10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926286	Units: mg/Kg							
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Chloride		ND 1.5									
Sample ID:	LCS-63658	SampType: Ics	TestCode: EPA Method	300.0: Anions							
Client ID:	LCSS	Batch ID: 63658	RunNo: 82473								
Prep Date:	10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926287	Units: mg/Kg							
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Chloride		14 1.5 15.0	0 92.4 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

2110B24

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Lucid Ene	ergy Delav	vare									
Project:	Juniper 8	inch Later	al 3									
Sample ID:	2110B24-004AMS	SampT	ype: MS	6	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	FS04	Batch	ID: 63	615	R	lunNo: 8	2434					
Prep Date:	10/27/2021	Analysis D	ate: 10)/28/2021	S	eqNo: 2	924924	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	41	9.5	47.26	9.412	67.1	39.3	155				
Surr: DNOP		4.3		4.726		91.2	70	130				
Sample ID:	2110B24-004AMS) SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID:	FS04	Batch	ID: 63	615	R	tunNo: 8	2434					
Prep Date:	10/27/2021	Analysis D	ate: 10)/28/2021	S	eqNo: 2	924925	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	43	9.4	47.21	9.412	70.8	39.3	155	4.02	23.4		
Surr: DNOP		4.3		4.721		90.7	70	130	0	0		
Sample ID:	LCS-63615	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID:	LCSS	Batch	ID: 63	615	R	tunNo: 8	2434					
Prep Date:	10/27/2021	Analysis D	ate: 10)/28/2021	S	eqNo: 2	924946	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	50	10	50.00	0	100	68.9	135				
Surr: DNOP		4.7		5.000		94.0	70	130				
Sample ID:	MB-63615	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID:	PBS	Batch	ID: 63	615	R	tunNo: 8	2434					
Prep Date:	10/27/2021	Analysis D	ate: 10)/28/2021	S	eqNo: 2	924948	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	ND	10									
Motor Oil Rang	e Organics (MRO)	ND	50									
Surr: DNOP		9.5		10.00		95.4	70	130				
Sample ID:	LCS-63614	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID:	LCSS	Batch	ID: 63	614	R	tunNo: 8	2441					
Prep Date:	10/27/2021	Analysis D	ate: 10)/29/2021	S	eqNo: 2	926599	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Drganics (DRO)	52	10	50.00	0	104	68.9	135				
Surr: DNOP		5.7		5.000		114	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

Page 11 of 14

2110B24

01-Nov-21

Client: Luci Project: Juni	d Energy Delav per 8 inch Later	ware ral 3								
Sample ID: MB-63614	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 63	614	R	tunNo: 82	2441				
Prep Date: 10/27/2021	Analysis D	ate: 10)/29/2021	S	eqNo: 2	926600	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRC) ND	50								
Surr: DNOP	11		10.00		106	70	130			

- * 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 12 of 14

2110B24

01-Nov-21

Client: Lucid Project: Junip	Energy Delay er 8 inch Later	ware ral 3								
Sample ID: mb-63586	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/29/2021	S	eqNo: 29	924585	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/28/2021	S	eqNo: 29	924586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

- * 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 13 of 14

2110B24

01-Nov-21

PBS	Batcl	h ID: 63	586	R	unNo: 8	2415				
10/26/2021	Analysis Date: 10/29/2021			S	eqNo: 2	924585	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Organics (GRO)	ND	5.0								
	1000		1000		102	70	130			
cs-63586	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
CSS	Batcl	n ID: 63	586	R	unNo: 8	2415				
10/26/2021	Analysis D	Date: 10)/28/2021	S	eqNo: 2	924586	Units: mg/K	g		
				SPK Ref Val %REC LowLimit						- ·
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Client:	Lucid E	nergy Delay	ware								
Project:	Juniper	8 inch Later	ral 3								
Sample ID: mb-63	586	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS		Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/26	6/2021	Analysis D)ate: 10)/29/2021	S	SeqNo: 2	924635	Units: mg/k	٢g		
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-Bromofluorob	enzene	0.87		1.000		87.3	70	130			
Sample ID: LCS-6	3586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS		Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/26	6/2021	Analysis D	ate: 10)/28/2021	S	SeqNo: 2	924636	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.8	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorob	enzene	0.89		1.000		89.0	70	130			

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

Page 14 of 14

2110B24

01-Nov-21

EN	IVIRONMEN IALYSIS BORATORY	TAL	TI V	EL: 505-345- Vebsite: clier	entat Anat 49 Albuquer 3975 FAX tts.hallenv	vsis Labo 01 Hawk que, NM : 505-345 ironmenta	ratory ins NE 87109 5-4107 al.com	Sai	mple Log-In Check Li	st
Client Nam	e: Lucid Ene	ergy Delaware	Worl	c Order Nur	nber: 211	0B24			RcptNo: 1	
Received E	By: Sean Liv	vingston	10/23/2	2021 9:15:0	O AM		5	_/	inst	
Completed	By: Sean Liv	vingston	10/23/3	021 10.49	13 AM		6		/	
Reviewed E	y: 5er	16(23)2	10/20/2				2	~~L	not	
Chain of	Custody									
1. Is Chain	of Custody com	plete?			Yes		N		Not Present	
2. How was	the sample del	ivered?			Cou	rier				
Login										
3. Was an a	ttempt made to	cool the sampl	es?		Yes		No			
4. Were all s	amples receive	d at a temperat	ure of >0° C	to 6.0°C	Yes		No			
-					San	ples no	t frozen		1.1.0	
5. Sample(s) in proper cont	ainer(s)?			Yes	\checkmark	No			
6. Sufficient	sample volume	for indicated te	st(s)?		Yes		No			
7. Are samp	es (except VOA	and ONG) pro	perly preserve	ed?	Yes		No			
8. Was pres	ervative added t	to bottles?			Yes		No		NA 🗌	
9. Received	at least 1 vial w	ith headspace <	:1/4" for AQ \	/OA?	Yes		No		NA 🔽	
10. Were any	sample contair	ners received br	oken?		Yes		No		# of preserved	
11. Does pape (Note disc	erwork match bo	ottle labels?			Yes		No		bottles checked for pH:	. 55
12 Are matric	es correctly ide	ntified on Chain	of Custodu?						(<2 or >12 unless no	oted)
13 Is it clear	what analyses w		of Gustouy?		Yes		NO			-
14 Were all h	olding times abl	le te he met?			Yes		NO		Charling has Sing 1012	26
(If no, noti	fy customer for	authorization.)			Yes		No		Checked by: Jac TOTE	20
Special Ha	ndling (if ap	<u>plicable)</u>								
15. Was clier	t notified of all o	discrepancies w	ith this order?	>	Yes		No		NA 🗹	
Per	son Notified:			Date	1			-		
By	Whom:			Via	eM		Dhono [1 Eav		
Reg	arding:							Jiax		
Clie	nt Instructions:	i			-					
16. Additiona	l remarks									
17. Cooler Ir	formation									
Cooler	No Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signed	Bv		
1	0.6	Good						-1		
2	-1.4	Good				1				
3	4.9	Good								

Page 1 of 1

Chain	-01-0	astony include					1 1 1		1		20
Client:	Lucid	Energy Group	Standard	_ Rush	2000		HAI	L EN	VIRO	NMENTAL	ceived
	Mich	ael Gant	Project Name:					LC 1 - I			l by (
Mailing Address	: 201	S 4th Artesia, NM 88210	Juniper 8" L	ateral #3		4901 Ha	wkins N	F - Albi	Ullerdie	NM 87100	OCD.
			Project #:			Tel 505	-345-30	75 5.	Auciduc,	5.4107	: 2/1
Phone #: 575-81	0-6144		3140366	5.000		10. 10.	20-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	Analysi	is Reques	5-4 10/ st	8/26
email or Fax#: n	ngant@luc	cid-energy.com	Project Manage	Le Le		(0		⁺C	() ()		22]
QA/QC Package:			Ben Belill			1208 에머C 8'S	SV)S '‡	uəso		1:00
□ Standard		Level 4 (Full Validation)				ЬСI / О / s (8	VISC	Юď	1A\†		:04
Accreditation:	□ Az Co	ompliance	Sampler: Ben E	Selill		8M 782 282	3520	' ⁷ 0	uəse		PM
D NELAC	□ Other		On Ice: E	PYes	O No	T / 05/2	. 2 04.	N '	(A) Pre		
DDD (Type)			# of Coolers:	10		BE (GF	01	801 10 ³) ш ОЛ		_
			Cooler Temp(inc	iuding CF): Se	it remarks	MT I5D(1 83		-ime liffor		
Date	Matrix	Sample Name	Container P	reservative	HEAL No.	108:H3 108:H3 108:P9	(d sHA	8 , 7 () 8 , 8 () 9 () 9 () 9 () 9 () 9 () 9 () 9 () 9	270 (Se otal Co		
021) 12/81/0	S	FSoZ		246	200010				8 T		T
0021		FSOS			102	X X		X			
1300		SWOL			500	N N		N			T
0 0 111		FSoll			001	X,X		>>			T
01/10		F503			500	N X		\geq			1.
02h1		FSol			200	XX		$\langle \rangle$			1
ohhi		F508			502	XX		X			
1500		SWOG			203	XX		2			T
V 1530	>	Swo 3			009	XX		X			T
ate: Time:	Relinquishe	.vd be	Received hv.	Via [.]	Date Time			(
	Å	J. Rull	MANAN	, <	10/30 m 1030	Nemarks: Direct bill to Lucid En AFE 300080	ergy -1.	5 th 2	VI	two supers	
ate: Time:	Relinquishe	ad by:	Received by: San Cau	Via: V	Date Time	Prop # 195211000 Company # 860 Send confirmation an	d lab report	ら joe.hernan	Aez@wsp.com	いしてん Suc いってよって」 & ben.belill@wsp.com	Page 46
If necessary	camples subr	mitted to Hell Formered merits	and to other second	interception particular							of



November 01, 2021

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.: 2110B26

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/23/2021 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 2110B26

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy Delaware **Client Sample ID: SW02 Project:** Juniper 8 inch Lateral 3 Collection Date: 10/18/2021 3:15:00 PM Lab ID: 2110B26-001 Matrix: SOIL Received Date: 10/23/2021 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.2 mg/Kg 1 10/28/2021 12:58:42 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/28/2021 12:58:42 PM Surr: DNOP 84.6 70-130 %Rec 1 10/28/2021 12:58:42 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/29/2021 3:34:47 AM 4.7 mg/Kg 1 Surr: BFB 95.3 70-130 %Rec 1 10/29/2021 3:34:47 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/29/2021 3:34:47 AM 1 Toluene ND 0.047 mg/Kg 1 10/29/2021 3:34:47 AM Ethylbenzene ND 0.047 mg/Kg 1 10/29/2021 3:34:47 AM Xylenes, Total ND 0.094 mg/Kg 1 10/29/2021 3:34:47 AM Surr: 4-Bromofluorobenzene 82.2 70-130 %Rec 1 10/29/2021 3:34:47 AM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 600 60 10/29/2021 8:35:33 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 1 of 5

Client: Project:	Lucid Junipe	Energy Delay r 8 inch Later	ware ral 3								
Sample ID:	MB-63658	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 63	658	RunNo: 82473						
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926286	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-63658	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	h ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021)/29/2021	S	SeqNo: 29	926287	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	92.4	90	110			

- * 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

Released to Imaging: 3/21/2022 3:21:33 PM

- 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 2 of 5

2110B26

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: L Project: Ju	ucid Energy Delaward	e 3								
Sample ID: LCS-6361	5 SampType	: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	: 63	615	R	RunNo: 8 2	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	SeqNo: 2	924946	Units: mg/K	(g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) 50	10	50.00	0	100	68.9	135			
Surr: DNOP	4.7		5.000		94.0	70	130			
Sample ID: MB-6361	s SampType	: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID	: 63	615	R	RunNo: 8	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	SeqNo: 2	924948	Units: mg/K	(g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) ND	10								
Motor Oil Range Organics (I	MRO) ND	50								
Surr: DNOP	9.5		10.00		95.4	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

2110B26

01-Nov-21

Client:LucidProject:Juniper	Energy Delay	ware ral 3								
Sample ID: mb-63586	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/29/2021	S	eqNo: 29	924585	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/28/2021	S	eqNo: 29	924586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

- * 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

Released to Imaging: 3/21/2022 3:21:33 PM

- 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 4 of 5

2110B26

01-Nov-21

Client: Project:	Lucid H Juniper	Energy Delav 8 inch Later	ware ral 3								
Sample ID: mb-6	3586	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/29/2021	S	SeqNo: 2	924635	Units: mg/k	g		
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-Bromofluorol	benzene	0.87		1.000		87.3	70	130			
Sample ID: LCS-	63586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	;	Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/28/2021	S	SeqNo: 2	924636	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.8	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorol	benzene	0.89		1.000		89.0	70	130			

- * 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
- Р Sample pH Not In Range

Page 5 of 5

2110B26

01-Nov-21

WO#:

Analyte detected below quantitation limits

RL Reporting Limit

	HALL ENVI ANAL LABO	RONMENT LYSIS DRATORY	AL	Ha TE W	ll Environme L: 505-345-; 'ebsite: clien	ntal Analy 490 Albuquero 8975 FAX: ts.hallenvi	esis Lab DI Hawi que, NM 505-34 ronmen	oratory kins NE 187109 15-4107 tal.com	Sar	mple Log-In Check List
CI	ient Name:	Lucid Ener	gy Delaware	Work	Order Num	ber: 211	0B26			RcptNo: 1
Re	ceived By:	Sean Livi	ngston	10/23/2	021 9:15:00	MA		5	-L	not
Co	mpleted By:	Sean Livi	ngston	10/23/2	021 12:06:	19 PM		5	/	m-t
Re	viewed By:	50 10	123/21					<u>_</u>	~~~	10-
Ch	ain of Cu	<u>stody</u>								
1.	Is Chain of C	Custody comp	lete?			Yes	\checkmark	N		Not Present
2.	How was the	e sample deliv	vered?			Cou	rier			
Lo	og In									지 말
3. 1	was an atter	mpt made to o	cool the samp	es?		Yes		No		
4. 1	Were all sam	ples received	l at a tempera	ture of >0° C	to 6.0°C	Yes		No		
						San	iples n	ot frozen		
5. :	Sample(s) in	proper conta	iner(s)?			Yes	~	No		
6. 5	Sufficient sar	mple volume f	or indicated te	st(s)?		Yes		No		
7. A	Are samples	(except VOA	and ONG) pro	perly preserve	ed?	Yes	\checkmark	No		
8. v	Was preserva	ative added to	bottles?			Yes		No		NA 🗌
9. F	Received at I	east 1 vial wit	h headspace	<1/4" for AQ V	/OA?	Yes		No		NA 🗹
0.1	Were any sa	mple containe	ers received b	roken?		Yes		No		# of preserved
1.0	Does paperw	ork match bot	ttle labels?			Yes		No		bottles checked for pH:
(1	Note discrep	pancies on cha	ain of custody)	9			_		_	(<2 or >12 unless noted)
2. A	Are matrices	correctly iden	tified on Chair	n of Custody?		Yes		No		Adjusted?
3.1	s it clear wha	at analyses we	ere requested	?		Yes		No		
4.V (I	Vere all hold If no, notify c	ing times able customer for a	e to be met? authorization.)			Yes	\checkmark	No		Checked by: Ser 10/21/21
pe	cial Hand	ling (if app	olicable)							
15.1	Was client n	otified of all di	iscrepancies v	with this order?	?	Yes		No		NA 🗹
	Persor	Notified:	1		Date	1			_	
	By Wh	om:	[Via:	eM	ail 🗌	Phone	Fax	In Person
	Regard	ding:	-						-	
	Client I	Instructions:	l							
16.	Additional re	emarks:								
17.	Cooler Info Cooler No	rmation Temp °C	Condition	Seal Intact	Seal No	Seal D	ate	Signed	By	
	1	0.6	Good			Joand		Signed	-,	
	2	-1.4	Good							
	3	4.9	Good							-

Page 1 of 1

Rea	ceivea	l by (CD.	: 2/1	8/20	22 1	1:00	:04	PM	_				-	-												Page 54 o
	IVIRONMENTAL TS I ABOBATODY			aquartan an or oc	sis Request	(11	uəso	JA\tr	sect	(A) Pre) ɯ ᠐᠕᠂	-ime notil	8270 (Vo 15270 (Se 701 Co	3												> Sec WIC3/21	Durf Con & ben.belli@wsp.com
Ì			- Alb	ш	nalys	¢C)S 't	ЪО	' ⁷ 0	N '	² 0 ³	V 'J	а ,न ,IC		1						+	+	+			+3 +	5 the
			NF NF	3975						4	slet	эM	8 AADF	1									101			0 T	U bort to j
1			vkins	345-		1	SV	VISC	225	0L {	10	83	(d sHAc	1				1	-							rgy	lab rep
-			Hav	505	8	-	SC	104	(1)	70	g po	one	EDB (W		+	-	-	_	-	_	-	-	-	1		cid Ene	000 0 ion and
			490	Tel		(0)AM	1/0	280	101	HD)	5D	08:H41	\times	-	-		-	-	-	-	-	-			II to Lu	95211(ly # 860 nfirmat
						(120	8) s'	aM.	L /	BE	TM	ATEX /	X				-		-	-				-	Rema	trop # 1 compan
	1			Γ											-							-	1				
	sh uny									ON D		ce amares	HEAL No.	E	3											Date Time Ishuha 1035	Date Time 10(23)21 911
l Time:	d 🗆 Rus	ë	Lateral #3	0.25.20	65.000	ager:			n Belill	⊠/Yes	n	(including CF); So	Preservative Tvpe) > , Via: 5	Viai
Turn-Around	B Standard	Project Nam	Juniper 8"	Project #:	314036	Project Mana	Ben Belill		Sampler: Ber	On Ice:	# of Coolers:	Cooler Temp	Container Type and #													Received by:	Received by:
stody Record	Energy Group	lel Gant	3 4th Artesia, NM 88210			d-energy.com		Level 4 (Full Validation)	npliance				Sample Name	SINOZ	2											ST. Bally	1 by:
-of-Cu	Lucid E	Micha	s: 201 S		10-6144	ngant@lucic		1	□ Az Con	□ Other			Matrix	S													Relinquíshed
hain			Addres		575-8	Fax#:r	ackage:	lard	ation:	C	(Type)		Time	1515													ime:
U	Client:		Mailing ,		Phone #	email or	QA/QC P	□ Stanc	Accredit	D NELA			Date	10/18/21	1.1.										+	nale.	Date: T



November 01, 2021

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.: 2110B27

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/23/2021 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

Project: Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B27

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/1/2021 Client Sample ID: SW05 Collection Date: 10/18/2021 4:00:00 PM

Lab ID: 2110B27-001	Matrix: SOIL	Reco	eived Date:	10/23/	2021 9:15:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/28/2021 1:09:25 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/28/2021 1:09:25 PM
Surr: DNOP	80.3	70-130	%Rec	1	10/28/2021 1:09:25 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/29/2021 3:57:52 AM
Surr: BFB	97.1	70-130	%Rec	1	10/29/2021 3:57:52 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	10/29/2021 3:57:52 AM
Toluene	ND	0.046	mg/Kg	1	10/29/2021 3:57:52 AM
Ethylbenzene	ND	0.046	mg/Kg	1	10/29/2021 3:57:52 AM
Xylenes, Total	ND	0.091	mg/Kg	1	10/29/2021 3:57:52 AM
Surr: 4-Bromofluorobenzene	83.4	70-130	%Rec	1	10/29/2021 3:57:52 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	920	61	mg/Kg	20	10/29/2021 8:47:57 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. 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 5

.

Client: Project:	Lucid Junipe	Energy Delay r 8 inch Later	ware ral 3								
Sample ID:	MB-63658	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926286	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-63658	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	h ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926287	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	92.4	90	110			

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

Page 2 of 5

2110B27

01-Nov-21

WO#:

Value above quantitation range

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Lucid Energy Dela	aware								
Project:	Jumper 8 men Lat	eral 5								
Sample ID: LCS-63	615 Samp	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Bat	ch ID: 63	615	F	unNo: 82	2434				
Prep Date: 10/27/	2021 Analysis	Date: 10	0/28/2021	S	eqNo: 29	924946	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 50	10	50.00	0	100	68.9	135			
Surr: DNOP	4.7		5.000		94.0	70	130			
Sample ID: MB-636	i 15 Samp	Type: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Bat	ch ID: 63	615	F	unNo: 82	2434				
Prep Date: 10/27/	2021 Analysis	Date: 10	0/28/2021	S	eqNo: 29	924948	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) ND	10								
Motor Oil Range Organic	s (MRO) ND	50								
Surr: DNOP	9.5		10.00		95.4	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

Page 3 of 5

2110B27

01-Nov-21

WO#:

age 5 01 5

Client: Lucid Project: Junip	Energy Delay er 8 inch Later	ware ral 3								
Sample ID: mb-63586	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis D	Date: 10)/29/2021	S	eqNo: 29	924585	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/28/2021	S	eqNo: 29	924586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

- 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
- Р Sample pH Not In Range

Page 4 of 5

2110B27

01-Nov-21

WO#:

J Analyte detected below quantitation limits

RL Reporting Limit

Client: I Project: J	Lucid Energy Dela uniper 8 inch Lat	aware eral 3								
Sample ID: mb-6358	6 Samp	oType: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Bat	ch ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/26/2	021 Analysis	Date: 10)/29/2021	S	SeqNo: 2	924635	Units: mg/k	٢g		
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-Bromofluorobenz	ene 0.87		1.000		87.3	70	130			
Sample ID: LCS-635	86 Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Bat	ch ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/26/2	021 Analysis	Date: 10)/28/2021	S	SeqNo: 2	924636	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.8	80	120			
Toluene	0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorobenz	ene 0.89		1.000		89.0	70	130			

- * 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 5

WO#: 2110B27

01-Nov-21

Page	61	of	F 11	8
I usv	U.L	y		

Client Nar Received Completed Reviewed Chain of 1. Is Chair 2. How wa <u>Log In</u> 3. Was an 4. Were all 5. Sampled 6. Sufficien 7. Are sam 8. Was pre 9. Received 10. Were an	me: Lucid Ene By: Sean Liv By: Sean Liv By: Sean Liv By: Sean Liv Custody Custody of Custody com as the sample deli attempt made to	rgy Delaware ingston いてコーてい plete? vered?	Work 10/23/20 10/23/20	Order Num 021 9:15:00 021 12:09:5	ber: 211) AM 55 PM	0B27	5.	_L	RcptNo: 1	
Received Completed Reviewed 1. Is Chair 2. How wa <u>Log In</u> 3. Was an 4. Were all 5. Sampled 6. Sufficien 7. Are sam 8. Was pre 9. Received 10. Were an	By: Sean Liv By: Sean Liv Coustody Sean Coustody Sean Liv Coustody Sean Liv Coustody Sean Liv Sean Liv Coustody Sean Liv Sean Liv S	ingston ingston いたったい plete? vered?	10/23/20 10/23/20	021 9:15:00 021 12:09:5) AM 55 PM		5.	_L	John	
Completed Reviewed Chain of 1. Is Chair 2. How wa Log In 3. Was an 4. Were all 5. Sampled 6. Sufficien 7. Are sam 8. Was pre 9. Received 10. Were an 11 Door po	By: Sean Liv By: Sean Liv C <u>Custody</u> n of Custody com as the sample deli attempt made to	ingston しくこうてい plete? vered?	10/23/20	021 12:09:5	55 PM		~			
Reviewed <u>Chain of</u> 1. Is Chair 2. How wa <u>Log In</u> 3. Was an 4. Were all 5. Sampled 6. Sufficien 7. Are sam 8. Was pre 9. Received 10. Were an	By: 5 - (Custody n of Custody com as the sample deli attempt made to	plete? vered?						1		
Chain of 1. Is Chair 2. How wa Log In 3. Was an 4. Were all 5. Sampled 6. Sufficien 7. Are sam 8. Was pre 9. Received 10. Were an	Custody n of Custody com as the sample deli attempt made to	plete? vered?						-0.	John	
 Is Chair How wa Log In Was an Was an Ware all Sampled Sufficien Are sam Was pre Received Were ar 	n of Custody com as the sample deli attempt made to	plete? vered?								
 How wa Log In Was an Was an Were all Sampled Sufficien Are sam Was pre Received Were ar Were ar 	is the sample deli attempt made to	vered?			Yes		No		Not Present	
Log In 3. Was an 4. Were all 5. Sampled 5. Sufficien 7. Are sam 3. Was pre 9. Received 0. Were an 1. Dece pe	attempt made to				Cou	rier				
 Was an Were all Sampled Sufficien Are sam Was pre Received Were an 	attempt made to		6							
 Were all Sampled Sufficien Are sam Was pre Received Were ar Deec pa 		cool the sampl	es?		Yes		No		NA 🛄	
 Sampler Sufficient Are sam Was pre Was pre Received Were ar Dees part 	samples receive	d at a temperat	ure of >0° C t	to 6.0°C	Yes		No	\checkmark		
 Samplei Sufficien Are sam Was pre Received Were ar 					San	nples n	ot frozen			
5, Sufficien 7, Are sam 3. Was pre 9. Received 0. Were ar	(s) in proper conta	ainer(s)?			Yes		No			
7, Are sam 3. Was pre 9. Received 0. Were ar	nt sample volume	for indicated te	st(s)?		Yes		No			
 Was pre Received Nere ar 	ples (except VOA	and ONG) pro	perly preserve	ed?	Yes	V	No			
9. Received 0. Were ar	servative added t	o bottles?			Yes		No	~	NA 🗌	
0. Were an	d at least 1 vial wi	ith headspace <	<1/4" for AQ V	'OA?	Yes		No		NA 🔽	
1 Door no	ny sample contain	ners received br	oken?		Yes	U.	No	V	# of preserved	
1 1000 00									bottles checked	
(Note dis	perwork match bo screpancies on ch	ottle labels?			Yes	V	No		for pH:	ss noted)
2 Are matr	rices correctly ide	ntified on Chair	of Custody?		Voc		No		Adjusted?	so noted)
3 Is it clear	r what analyses w		o ouslouy!		Voc		No		/	
	holding times ab	le to be met?			Ves		No		Checked by: Star (0/27/21
(If no, no	otify customer for	authorization.)			res		NO		Uncered by Bar	
pecial H	andling (if ap	plicable)				_		ŝ.		
5. Was clie	ent notified of all o	discrepancies w	vith this order?	,	Yes		No	Ц	NA 🗹	
Pe	erson Notified:	-		Date	-			-		
Ву	y Whom:			Via:	□eM	lail	Phone	Fax	In Person	
Re	egarding:	[
CI	lient Instructions:	1						-		
6. Addition	nal remarks:									
17 Costs	Information									
Cooler	Information	Condition	Seal Intent	Soci Na	Cool	ate	Classed	Dur		
1	0.6	Good	Sear mact	Seal NO	SearL	ale	Signed	БУ		
2	-1.4	Good								
3	- 1.4	Good								

Page 1 of 1

Received by OCD: 2/18/2022 1:00:04 PM

net	TAL			. 4/ 1				.07												200	
	HALL ENVIRONMENT		Hawkins NE - Albumertine NM 87109		Analysis Request	, p.C.	uəso DS ⁽¹	MI20 AOA	0 ²⁺	04. 01 б 3 10 3 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	m (10 ³	etho 83 Me 7, <i>N</i> M (AC M M M M M M M M M	EDB (Md 2AHs b) 3C6A 8 3260 (Vd 3270 (Se 70al Co							dieto Sangola not frontide La formada	00 り・チナン ひんしょ Americandez@wsp.com & ben.belil@wsp.com
			4901	Tel	5	(0	120 NRC	8) s,	8M 80	1 O	38 BE	MT 5D(X 278 108:H91 1808	XX	,					Remarks: Direct bill to Luc AFE 300080	Prop # 1952110 Company # 860 Send confirmati
/	Shorts									O No		C rementes	HEAL No.		Š					Date Time ¹⁰ /みわ 10ろの	Date Time シ/2.3)ひ マッS
Time:	□ Rush	ä	Lateral #3		35.000	ger:			I Belil	El Yes	n	(including CF): 566	Preservative Type							Via:	Via: curr 10
Turn-Around	B Standard	Project Name	Juniper 8"	Project #:	314036	Project Mana	Ben Belill		Sampler: Ber	On Ice:	# of Coolers:	Cooler Temp	Container Type and #							Received by:	Received by:
stody Record	Energy Group	el Gant	4th Artesia, NM 88210			1-energy.com		Level 4 (Full Validation)	npliance				Sample Name	SWOS						T. all	by:
-of-Cu	Lucid E	Micha	s: 201 S		10-6144	ngant@lucic		1	□ Az Con	□ Other			Matrix	S		7				Relinquished	
Chain			g Addres:		; #: 575-8	or Fax#: r	: Package.	Indard	ditation:	LAC	D (Type)		Time	11600						ime:	1900
Dal	Client		Mailin		Phone	email	QAVQC	□ Sta	Accret				Date	10/18/6						Date:	volution polyn



November 01, 2021

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.: 2110B28

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/23/2021 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

Project:

CLIENT: Lucid Energy Delaware

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B28

Date Reported: 11/1/2021

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: FS06 Collection Date: 10/18/2021 12:15:00 PM Received Date: 10/23/2021 9:15:00 AM

Lab ID: 2110B28-001	Matrix: SOIL	Received Date: 10/23/2021 9:15:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: SB				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/28/2021 1:20:12 PM				
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/28/2021 1:20:12 PM				
Surr: DNOP	85.6	70-130	%Rec	1	10/28/2021 1:20:12 PM				
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/29/2021 4:20:57 AM				
Surr: BFB	95.6	70-130	%Rec	1	10/29/2021 4:20:57 AM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.023	mg/Kg	1	10/29/2021 4:20:57 AM				
Toluene	ND	0.047	mg/Kg	1	10/29/2021 4:20:57 AM				
Ethylbenzene	ND	0.047	mg/Kg	1	10/29/2021 4:20:57 AM				
Xylenes, Total	ND	0.094	mg/Kg	1	10/29/2021 4:20:57 AM				
Surr: 4-Bromofluorobenzene	82.0	70-130	%Rec	1	10/29/2021 4:20:57 AM				
EPA METHOD 300.0: ANIONS					Analyst: CAS				
Chloride	410	60	mg/Kg	20	10/29/2021 9:25:12 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 1 of 5

Client: Project:	Lucid Junipe	Energy Delay r 8 inch Later	ware ral 3								
Sample ID:	MB-63658	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926286	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-63658	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	h ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926287	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	92.4	90	110			

- * 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 2 of 5

I uge

2110B28

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: L Project: Ju	ucid Energy Delaward	e 3								
Sample ID: LCS-6361	5 SampType	: LC	s	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	63	615	R	unNo: 82	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	eqNo: 2	924946	Units: mg/K	g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) 50	10	50.00	0	100	68.9	135			
Surr: DNOP	4.7		5.000		94.0	70	130			
Sample ID: MB-63615	s SampType	: MB	BLK	Tes	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID	63	615	R	unNo: 82	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	eqNo: 29	924948	Units: mg/K	g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) ND	10								
Motor Oil Range Organics (I	MRO) ND	50								
Surr: DNOP	9.5		10.00		95.4	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

2110B28

01-Nov-21

Client: Lucid Project: Junipe	Energy Delay r 8 inch Later	ware ral 3								
Sample ID: mb-63586	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batcl	h ID: 63	586	F	RunNo: 82	2415				
Prep Date: 10/26/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	924585	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampT	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batcl	h ID: 63	586	F	RunNo: 82	2415				
Prep Date: 10/26/2021	Analysis D	Date: 10)/28/2021	S	SeqNo: 29	924586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

- 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

2110B28

01-Nov-21

WO#:

Page 4 of 5

Client:	Lucid En	ergy Delav	ware								
Project:	Juniper 8	inch Later	ral 3								
Sample ID: mb-63	586	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS		Batcl	h ID: 63	586	F	unNo: 8	2415				
Prep Date: 10/26	6/2021	Analysis D	Date: 10	/29/2021	S	eqNo: 2	924635	Units: mg/k	٢g		
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-Bromofluorobe	enzene	0.87		1.000		87.3	70	130			
Sample ID: LCS-6	3586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS		Batcl	h ID: 63	586	F	unNo: 8	2415				
Prep Date: 10/26	/2021	Analysis D	Date: 10	/28/2021	S	eqNo: 2	924636	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.8	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorobe	enzene	0.89		1.000		89.0	70	130			

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
- Reporting Limit RL

Page 5 of 5

WO#:	2110	B28
	01.11	

Dana	60	-	£ 1 1	0
rage	09	U	11	0

	VVIRONME VALYSIS ABORATOR	NTAL 2Y	Ha TI V	all Environm EL: 505-345- Vebsite: clier	ental Analy 490 Albuquero 3975 FAX: nts.hallenvi	rsis Labo 11 Hawk 10e, NM 505-34: ronment	oratory ins NE 87109 Sai 5-4107 al.com	mple Log-In Check	List
Client Nar	ne: Lucid E	Energy Delaware	Wor	Order Nur	nber: 211	0B28		RcptNo: 1	
Received	By: Sean	Livingston	10/23/2	2021 9:15:0	0 AM		S-L	not	
Completed	By: Sean	Livingston	10/23/2	2021 12:12:	30 PM		< 1		
Reviewed	By: Ser	10/27/21					Jack	not	
Chain of	Custody								
1. Is Chair	of Custody co	omplete?			Yes	~	No 🗌	Not Present	
2. How wa	s the sample o	delivered?			Cou	ier			
l og In									
3. Was an	attempt made	to cool the sampl	les?		Yes		No 🗌		
4. Were all	samples recei	ived at a temperat	ture of >0° C	to 6.0°C	Yes		No 🔽		
5 Complet	•) := ======				Sam	ples no	ot frozen		
J. Sample(s) in proper co	ontainer(s)?			Yes	\checkmark	No 🗌		
6. Sufficien	sample volun	ne for indicated te	st(s)?		Yes		No 🗌		
7. Are sam	oles (except V	OA and ONG) pro	perly preserv	ed?	Yes	~	No 🗌		
8. Was pres	servative adde	d to bottles?			Yes		No 🗹		
9. Received	at least 1 vial	with headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🗹	
10. Were an	y sample cont	ainers received br	roken?		Yes		No 🗹	# of preserved	/
11 0	Sec. Car					_	_	bottles checked	
Note dis	erwork match	bottle labels?			Yes		No 🛄	for pH:	
12 Are matri	ces correctly i	dentified on Chain	of Custodu?		No.			Adjusted?	s noted
12 Is it clear	what analyses	s were requested?	o Custouy?		res				
14 Were all	holding times	able to be mot?			res			Chocked by See	177-
(If no, no	ify customer f	or authorization.)			res			/ checked by. Jec (c	5 (2) (
Special Ha	ndling (if a	applicable)							
15. Was clie	nt notified of a	II discrepancies w	vith this order	?	Yes		No 🗌	NA 🗹	
Pe	rson Notified:	-		Date	-				
By	Whom:	1		Via:	eMa	a m	Phone T Fax	In Person	
Re	garding:								
Cli	ent Instruction	s:							
16. Addition	al remarks:								
17 Cooler	nformation								
Coole	r No Temp	°C Condition	Seal Intact	Seal No.	Seal De	to	Signed Du		
1	0.6	Good	Sour maol	ocarno	Jear Da	ile i	Signed by		
2	-1.4	Good				-			
2	10	Cood							

Page 1 of 1

Client. Lucid Energy Group # sandard Ruth Milling Address. 2015 44 Amale String Michael Gant Project Hame: Milling Address. 2015 44 Amale String Michael Gant Project Hame: Multipler 8'L Lateral #3 Milling Address. 2015 44 Amale String Michael Gant Project Hame: Multipler 8'L Lateral #3 Milling Address. 2015 44 Fouget Hame: 2015 44 Amale String Michael Gant Phone #: 575 510-6744 Project Hamage: 2010 54 Amale String Michael Gant Multipler 8'L Lateral #3 Phone #: 575 510-6744 Date 1340 555.000 Project Hamage: Amale String Michael Gant Multipler 8'L Lateral #3 Amale Totak 3140 555.000 Ben Beili 3140 555.000 Project Hamage: Amale String Michael Project Hamage: Amale	Chain	1-of-CI	ustody Record	Turn-Around	Time:									ne
Michael Gant Project Name: Model Cant Project Name: Model Cant Model Cant <th< td=""><td>Client:</td><td>Lucid</td><td>Energy Group</td><td>Standard</td><td></td><td>ų</td><td></td><td></td><td>HAL</td><td>Ш ў Ц -</td><td>IN SU</td><td>IRO!</td><td>NMENTA</td><td></td></th<>	Client:	Lucid	Energy Group	Standard		ų			HAL	Ш ў Ц -	IN SU	IRO!	NMENTA	
Mailing Address: 2015 4th Artesia, NM 88210 Jurniper 8' Lateral #3 Project #: 2015 4th Artesia, NM 88210 Jurniper 8' Lateral #3 Project #: Project #: 2015 4th Artesia, NM 88210 Jurniper 8' Lateral #3 Project #: Project #: Project #: 2015 4th Artesia, NM 88210 Jurniper 8' Lateral #3 Project #: Project #: Project #: Project #: Project #: Jurniper 9' Lateral #3 QUOC Padage: Distribution Project Manage: Project Manage: Project #: Jurniper 9' Lateral #3 QUOC Padage: Distribution Project Manage: Project Manage: Project #: Jurniper 9' Lateral #3 QUOC Padage: Distribution Project Manage: Project Manage: Project #: Jurniper 9' Lateral #3 Accorditation: Distribution Project Manage: Project Manage: Project #: Jurniper 9' Lateral #3 Accorditation: Distribution Distribution Project Manage: Project Manage: Project Manage: Jurniper 9' Lateral #3 Accorditation: Distribution Distriper 9' Lateral #1' Project Manage: <td></td> <td>Mich</td> <td>ael Gant</td> <td>Project Name</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>510</td> <td></td> <td>SUKAIOK</td> <td>5</td>		Mich	ael Gant	Project Name							510		SUKAIOK	5
Project #: Index 57510-5144 Project #: Fail 1403655.000 Tel 505-3054 Tel 505-3054<	Mailing Addres	's: 201	S 4th Artesia, NM 88210	Juniper 8"	Lateral #3		490	WeH 1	www.	nallen	VIronm	iental.co		
Phone #: 575-810-6144 31403665.000 Analysis Request email of Feak mgart@uid-energy.com Project Manager: □ 23ander Project Manager: email of Feak mgart@uid-energy.com Project Manager: □ Analysis Request Project Manager: Accreditation: □ Az Compliance □ 128nder □ Analysis Request Accreditation: □ Az Compliance □ 0nics: □ VRLVC □ 0nics: ○ Vies				Project #:				EDE S	02 34			u 'anhi	EU 101 103	• ##/ 1
email of Taskt mgart@luctd-energy.com Project Marager. D ACC Probage: C ACC	Phone #: 575-8	10-6144		314036	35.000			-conc -	P0-04	Anal	vsis R	eduest	-410/	
OMOC Postege: OMOC Postege: OMOC Postege: Date Time District: Date Time District: Date Time District: District: District: Distr: Di	email or Fax#: I	mgant@luc	cid-energy.com	Project Mana	ger:		(0	-		Þ((1		
□ Standard □ Level 4 Full Validation) Accreditation: □ A Compliance Sampler: Ben Belili Accreditation: □ A Compliance Sampler: Ben Belili □ EDE/AC □ Other > Mortication □ EDE/AC □ EDE/AC □ EDE/AC □	QA/QC Package			Ben Belill			NBC	S,	S	os '		uəs		
Accreditation: 日本 Compliance Sampler Ben Bellil □ RELO (Type) □ EED (Type) □ EED (Type) □ EED (Type) ■ EEL IN □ EED (Type) ■ EEL IN □ EED (Type) ■ EEL IN □ EEL IN □ EEL IN □ EEEL IN	□ Standard		Level 4 (Full Validation)				8) s,	ЬСЕ	MIS	₽O₄		dA\t		
□ DRELAC □ ORLAC □ ORLAC □ Clifer □ Drest □ VRELAC □ Drest	Accreditation:	D Az Co	mpliance	Sampler: Ben	Belill		am I	1)	0728	' ⁷ 0	-	uəs		
	D NELAC	□ Other		On Ice:	⊠'Yes	ON D	/ 01 1 /	.40	8 JC	N		Pre V		
Date Time Matrix Sample Name Coolar Templowative enrice Container Preservative HEAL No. MT	EDD (Type)			# of Coolers:	~		GR 3E	g p səp	010	0 ³	OA) u		
Date Time Matrix Sample Name Container Preservative HEAL No. X Second for the second fo				Cooler Temp(ncluding CF): Sc	e remerres	ITM)D2	etho	.83	N ⁴	(AC	-mi		
P(A)AL TLS FSOb PC	Date Time	Matrix	Sample Name	Container Tvpe and #	Preservative Tvne	HEAL No.	/ X3T8 108:H9	99 180	vd sHA	a), F, Br	50 (75 50 (76	otal Col		
Image: Second	5121 178 you	S	F506		246	100		3	4		8	I		
Date: Time: Relinquished by: Received by: Via: Date Time Remarks: O. L. C. C. C. C. C. Date: Time: Relinquished by: Received by: Nail						5)			-	\$	+			
Date: Time: Reinquished by: Date Time Received by: Current (1/2/4)									-		-			
Date: Time: Relinquished by: Received by: Via: Date Time Remarks: O. C. ± O.								-	-		1			_
Date: Time: Reinquisbed by: Na: Date Time Remarks: O. C. T.														
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$									1		-			
Date: Time: Relinquished by: Na: Date Time Date: Time: Relinquished by: Na: Date Nate Date: Time: Relinquished by: Na: Date Nate Date: Time: Relinquished by: Nate Nate Nate Nate Date Time: Relinquished by: Nate Nate Nate Nate Date Time: Relinquished by: Nate Nate Nate Nate Date Time: Relindutished by:											-			
Date: Time: Relinquished by: Image: Time: Relinquished by: Image: Remarks: O. C. $2 O. C. 2 O. C. 2 C. C. M. Image: Image: Image: Image: Image: $											+			
Date: Time: Relinquisped by: Received by: Via: Date Time Reinquisped by: Received by: Via: Date Time Remarks: O.C. ±o ±d. * Date: Time: Reinquisped by: Received by: Via: Date Time Date: Time: Reinquisped by: Received by: Via: Date Time Date: Time: Reinquished by: Received by: Via: Date Time Date: Time: Reinquished by: Nate Nate Nate Nate Date: Time: Reinquished by: Nate Nate Nate Nate Date: Time: Reinquished by: Nate Nate Nate Nate Date Time: Received by: Via: Date Nate Nate Date Time: Received by: Via: Date Nate Nate <											-			
Date: Time: Relinquished by: Received by: Via: Date Time Remarks: O. c to z d. c to z											-			
Date: Time: Relinquished by: Received by: Via: Date Time Remarks: O. C = O. C = C = C = C = C = C = C = C = C = C														
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Date: Time:	Relinquisbe	d bv:	Received hv.	Via:	Deto	-		-					
Date: Time: Relinquished by: Received by: Via: Date Time Prop # 19521000 4.9 20. 24.9 2 Scull Miles Manual and Interpreted by: No. 1900 2000 4.9 20.000 A.9 20.000 A.		R	Sill	CUNUL		10 (20) (020)	Direct bill to Lu	Icid Energ	0.7	わった	010	10°C	Samples of	to
Send confirmation and lab report to joe.hermandez@wsp.com & ben.belill@wsp.com	Date: Time:	Relinquishe	d by:	Received by:	Via:	Date Time	Prop # 195211 Company # 86	000	Ĵ.	T	5-54.	205	Sci wie	12/2
		くころ)	-	<u>}</u>	Send confirma	tion and la	b report to	joe.herr	andez@v	vsp.com &	ben.belill@wsp.com	00



November 01, 2021

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.: 2110B29

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/23/2021 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

Project:

Lab ID:

CLIENT: Lucid Energy Delaware

2110B29-001

Juniper 8 inch Lateral 3

Analytical Report Lab Order 2110B29

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/1/2021 Client Sample ID: FS01 Collection Date: 10/18/2021 11:00:00 AM

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/28/2021 1:30:58 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/28/2021 1:30:58 PM
Surr: DNOP	94.5	70-130	%Rec	1	10/28/2021 1:30:58 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/29/2021 4:44:01 AM
Surr: BFB	96.7	70-130	%Rec	1	10/29/2021 4:44:01 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	10/29/2021 4:44:01 AM
Toluene	ND	0.050	mg/Kg	1	10/29/2021 4:44:01 AM
Ethylbenzene	ND	0.050	mg/Kg	1	10/29/2021 4:44:01 AM
Xylenes, Total	ND	0.099	mg/Kg	1	10/29/2021 4:44:01 AM
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	10/29/2021 4:44:01 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	300	60	mg/Kg	20	10/29/2021 9:37:37 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

Page 1 of 5
Client: Project:	Lucid Junipe	Energy Delay r 8 inch Later	ware ral 3								
Sample ID:	MB-63658	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926286	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-63658	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	h ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926287	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	92.4	90	110			

- * 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

2110B29

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Lucid Energy De Juniper 8 inch L	elaware ateral 3								
Sample ID: LCS-63	6 15 Sar	npType: LO	cs	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	В	atch ID: 63	8615	F	RunNo: 82	2434				
Prep Date: 10/27/	2021 Analys	is Date: 1	0/28/2021	S	SeqNo: 29	924946	Units: mg/#	(g		
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 5	0 10	50.00	0	100	68.9	135			
Surr: DNOP	4.	7	5.000		94.0	70	130			
Sample ID: MB-630	S15 Sar	npType: M	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	В	atch ID: 63	8615	F	RunNo: 82	2434				
Prep Date: 10/27	2021 Analys	is Date: 1	0/28/2021	S	SeqNo: 29	924948	Units: mg/k	íg		
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) NI	D 10								
Motor Oil Range Organic	s (MRO) NI	D 50								
Surr: DNOP	9.	5	10.00		95.4	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

Page 3 of 5

2110B29

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Lucie Project: Junip	l Energy Delawa er 8 inch Lateral	ure I 3								
Sample ID: mb-63586	SampTy	be: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batch I	D: 63	586	R	RunNo: 82	2415				
Prep Date: 10/26/2021	Analysis Dat	te: 10)/29/2021	S	SeqNo: 29	924585	Units: mg/#	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampTy	be: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batch I	D: 63	586	R	RunNo: 8 2	2415				
Prep Date: 10/26/2021	Analysis Dat	te: 10)/28/2021	S	SeqNo: 29	924586	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

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 4 of 5

.

2110B29

01-Nov-21

Client: Project:	Lucid H Juniper	Energy Delav 8 inch Later	ware ral 3								
Sample ID: mb-6	3586	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/29/2021	S	SeqNo: 2	924635	Units: mg/k	g		
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-Bromofluorol	benzene	0.87		1.000		87.3	70	130			
Sample ID: LCS-	63586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	;	Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/28/2021	S	SeqNo: 2	924636	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.8	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorol	benzene	0.89		1.000		89.0	70	130			

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

Page 5 of 5

2110B29

01-Nov-21

WO#:

Value above quantitation range

	Page	77	of	⁻ 118	8
--	------	----	----	------------------	---

	ANAL LABO	RONMEN [.] Ysis Ratory	TAL	На TE И	ui Environme EL: 505-345 Vebsite: clien	ental Analy 490 Albuquerg 3975 FAX: ts.hallenvü	sis Labord 1 Hawkin ue, NM 8 505-345 conmental	s NE 7109 Sar 4107 .com	nple Log-In Check Lis	st
С	lient Name:	Lucid Ene	ergy Delaware	Work	Order Num	nber: 211)B29		RcptNo: 1	
Re	eceived By:	Sean Liv	vingston	10/23/2	2021 9:15:0	0 AM		S-L	not	
Co	ompleted By:	Sean Liv	ingston	10/23/2	2021 12:14:	20 PM		< 1		
Re	eviewed By:	Suc	10127/21					JAL	130t	
Ch	ain of Cus	stody								
1.	Is Chain of C	ustody com	plete?			Yes	~	No 🗌	Not Present	
2.	How was the	sample del	ivered?			Cou	ier			
L	og In									
3.	Was an atten	npt made to	cool the sampl	les?		Yes		No 🗌		
4.	Were all sam	ples receive	d at a tempera	ture of >0° C	to 6.0°C	Yes		No 🗹		
5.	Sample(s) in	proper cont	ainer(s)?			Sam	ples not	frozen		
0.	oumpic(3) in	proper com	aller(s)?			res				
6.	Sufficient sam	nple volume	for indicated te	est(s)?		Yes	~	No 🗌		
7.	Are samples (except VOA	and ONG) pro	perly preserve	ed?	Yes	V	No 🗆		
 Sam Suffi Ares Was Rece Wer 	Was preserva	tive added	to bottles?			Yes		No 🗹	NA 🗌	
 6. Suff 7. Are 8. Was 9. Rec 10. We 	Received at le	east 1 vial w	ith headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🔽	
10.	Were any sar	nple contair	ners received b	roken?		Yes		No 🗹	# of preserved	-
11.I	Does paperwo Note discrepa	ork match be ancies on cl	ottle labels? nain of custody))		Yes		No 🗌	for pH:	otec
12.	Are matrices of	correctly ide	ntified on Chair	n of Custody?		Yes	~	No 🗌	Adjusted?	
13.1	s it clear wha	t analyses v	vere requested'	?		Yes	~	No 🗌		
14.\ (Were all holdi (If no, notify c	ng times ab ustomer for	le to be met? authorization.)			Yes	V	No 🗆	Checked by: 562 10123	3/2
Spe	cial Handl	ling (if ap	plicable)							
15.	Was client no	otified of all of	discrepancies w	with this order?	?	Yes		No 🗌	NA 🗹	
	Person	Notified:	1		Date	:				
	By Who	om:	1		Via:	□ eMa		hone 🗌 Fax	In Person	
	Regard	ing:	-							
	Client In	nstructions:	-							
16.	Additional re	marks:								
17.	Cooler Infor	mation Temp %	Condition	Seal Intact	Seal No.	Seel D	te	Signed Pu	1	
	1	0.6	Good	ocarmitaul	Ucar NU	Jear Da	iic	oigned by		
	2	-1.4	Good							
	3	4.9	Good							

dy Record Turn-Around Time: gy Group E Standard Rush gy Group E Standard Rush ant Project Name: Mall St Is Lateral #3 Arresia, NM 88210 Unriper of Lateral #3 Arresia, NM 88210 Project Name: Jurniper of Lateral #3 Arresia, NM 88210 Project Name: Analysis Requestue Project # Sampler of Collor (Freesent/Absent) Project # Collor (Freesent/Absent) Ben Belill Ben Belill Collor (Freesent/Absent) Ben Belill Collor (Freesent/Absent) Analysis Raquast Sample Name Container F501 Ben Belill Container Preservative F501 Ben Belill Referention Ben Belill Referention Container F501 Ben Belill Referention Referention Referention Referention Ben Belill Ben Belill Referention Referention Referention Referention Referention Referention Referention Referention Referention Referention		UMENTAL	ORATORY	M 87109	201 10 M	-4107															tin the	Former
dy Record Turn-Around Time: gy Group B standard Rush Project Name: Artesia, NM 88210 Project Manager: Project #: Bampler 8" Lateral #3 Project #: Bampler: Ben Belill Benellill Bate Time Bate Time Bate Time Bate Time Bate Time Bate Time Bate Bate<td></td><td>HALL ENVIRON</td><td></td><td>www.riaiienvironmentai.com 4901 Hawkins NF - Albunierone NN</td><td>Tel 505-345-3075 Eav 505 345</td><td>Analysis Request</td><td>() ()</td><td>¹, S(3's 021</td><td>e (8 PO₄ PCE</td><td>260,0 20,1 25,1 25,2 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,2</td><td>/ T / 7 0 / 5/80 5/80 04. 04. 04. 04. 04. 04.</td><td>203' 003' 10 0 10 0 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2</td><td>MTE 5D((5D() 83° 83° 93° 93° 93° 91° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90</td><td>PH:801 PH:801 PB (Me PHs by PHs by PHs by PF, Br PF, Br PS (VC Se0 (VC</td><td></td><td></td><td></td><td></td><td></td><td></td><td> </td><td>The 80080</td>		HALL ENVIRON		www.riaiienvironmentai.com 4901 Hawkins NF - Albunierone NN	Tel 505-345-3075 Eav 505 345	Analysis Request	() ()	¹ , S(3's 021	e (8 PO₄ PCE	260,0 20,1 25,1 25,2 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,1 20,2 20,2	/ T / 7 0 / 5/80 5/80 04. 04. 04. 04. 04. 04.	203' 003' 10 0 10 0 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2	MTE 5D((5D() 83° 83° 93° 93° 93° 91° 90° 90° 90° 90° 90° 90° 90° 90° 90° 90	PH:801 PH:801 PB (Me PHs by PHs by PHs by PF, Br PF, Br PS (VC Se0 (VC								The 80080
dy Record Turn-Arou gy Group B stands Project Na Project Ma Project Ma Project Ma Ben Beli Ben Beli Cooler Ter Container Container Container Container Container Container NULL 	nd Time:	ard 🗆 Rush	me:	8" Lateral #3		665.000	inager:			en Belill	d'Yes D No	S: 52	np(including CF): See concordes	Preservative HEAL No.	i ype cli OCA	8					Via: Date Time F	1920 [19417 1950 1
	dy Record Turn-Arou	gy Group	ant Project Na	Artesia, NM 88210 Juniper 8	Project #:	31403	gy.com	Ben Beli	vel 4 (Full Validation)	Ice Sampler: B	On Ice:	# of Cooler	Cooler Ten	Container Samnle Name		LOCI					Received by:	REC WUNNA



November 01, 2021

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.: 2110B30

RE: Juniper 8 inch Lateral 3

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/23/2021 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

Analytical Report Lab Order 2110B30

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/1/2021 Client Sample ID: SW04 Collection Date: 10/18/2021 3:45:00 PM

Project:	Juniper 8 inch Lateral 3		Collec	ction Date:	10/18/	2021 3:45:00 PM
Lab ID:	2110B30-001	Matrix: SOIL	Rece	eived Date:	10/23/	2021 9:15:00 AM
Analyses		Result	RL Qu	al Units	DF	Date Analyzed
EPA ME	THOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: SB
Diesel R	ange Organics (DRO)	ND	8.8	mg/Kg	1	10/28/2021 1:41:46 PM
Motor O	il Range Organics (MRO)	ND	44	mg/Kg	1	10/28/2021 1:41:46 PM
Surr:	DNOP	85.5	70-130	%Rec	1	10/28/2021 1:41:46 PM
EPA ME	THOD 8015D: GASOLINE RAN	IGE				Analyst: NSB
Gasoline	e Range Organics (GRO)	ND	4.7	mg/Kg	1	10/29/2021 10:56:33 AM
Surr:	BFB	103	70-130	%Rec	1	10/29/2021 10:56:33 AM
EPA ME	THOD 8021B: VOLATILES					Analyst: NSB
Benzene	9	ND	0.023	mg/Kg	1	10/29/2021 10:56:33 AM
Toluene		ND	0.047	mg/Kg	1	10/29/2021 10:56:33 AM
Ethylber	izene	ND	0.047	mg/Kg	1	10/29/2021 10:56:33 AM
Xylenes	, Total	ND	0.094	mg/Kg	1	10/29/2021 10:56:33 AM
Surr:	4-Bromofluorobenzene	87.4	70-130	%Rec	1	10/29/2021 10:56:33 AM
EPA ME	THOD 300.0: ANIONS					Analyst: CAS
Chloride		1100	60	mg/Kg	20	10/29/2021 9:50:02 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

Client: Project:	Lucid Junipe	Energy Delav r 8 inch Later	ware ral 3								
Sample ID:	MB-63658	SampT	ype: mt	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926286	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-63658	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	h ID: 63	658	F	RunNo: 82	2473				
Prep Date:	10/29/2021	Analysis D	Date: 10)/29/2021	S	SeqNo: 29	926287	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	92.4	90	110			

- * 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

Released to Imaging: 3/21/2022 3:21:33 PM

- 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 2 of 5

2110B30

01-Nov-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: L Project: Ju	ucid Energy Delaward	e 3								
Sample ID: LCS-6361	5 SampType	: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID	: 63	615	R	RunNo: 8 2	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	SeqNo: 2	924946	Units: mg/K	(g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) 50	10	50.00	0	100	68.9	135			
Surr: DNOP	4.7		5.000		94.0	70	130			
Sample ID: MB-6361	s SampType	: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID	: 63	615	R	RunNo: 8	2434				
Prep Date: 10/27/20	21 Analysis Date	: 10	0/28/2021	S	SeqNo: 2	924948	Units: mg/K	(g		
Analyte	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	0) ND	10								
Motor Oil Range Organics (I	MRO) ND	50								
Surr: DNOP	9.5		10.00		95.4	70	130			

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
- RL Reporting Limit

2110B30

01-Nov-21

- Sample pH Not In Range

Client:LucidProject:Juniper	Energy Delay	ware ral 3								
Sample ID: mb-63586	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/29/2021	S	eqNo: 29	924585	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		102	70	130			
Sample ID: Ics-63586	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 63	586	R	unNo: 82	2415				
Prep Date: 10/26/2021	Analysis E	Date: 10)/28/2021	S	eqNo: 29	924586	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

- * 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 4 of 5

2110B30

01-Nov-21

Client: Project:	Lucid H Juniper	Energy Delav 8 inch Later	ware ral 3								
Sample ID: mb-6	3586	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/29/2021	S	SeqNo: 2	924635	Units: mg/k	g		
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-Bromofluorol	benzene	0.87		1.000		87.3	70	130			
Sample ID: LCS-	63586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	;	Batch	n ID: 63	586	F	RunNo: 8 2	2415				
Prep Date: 10/2	6/2021	Analysis D	ate: 10)/28/2021	S	SeqNo: 2	924636	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.8	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total		2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorol	benzene	0.89		1.000		89.0	70	130			

- * 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 5

2110B30

01-Nov-21

	LL VIRONMEN ALYSIS BORATORY	FAL	Ha TE W	ll Environmei L: 505-345-3 'ebsite: client.	ntal Analysis Lai 4901 Haw Albuquerque, NI 975 FAX: 505-3 s.hallenvironmer	boratory kins NE M 87109 45-4107 ntal.com	Sample Log-In Check List			
Client Nam	e: Lucid Ene	ergy Delaware	Work	Order Num	ber: 2110B30			RcptNo: 1		
Received E	y: Sean Liv	vingston	10/23/2	021 9:15:00	AM	< -	S-L	- John		
Completed	By: Sean Liv	vingston	10/23/2	021 12:16:2	9 PM	<	5 /			
Reviewed E	y: Su	10123121				4		100-		
Chain of	Custody									
1. Is Chain	of Custody com	plete?			Yes 🗹	1	No 🗌	Not Present 🗌		
2. How was	the sample del	livered?			Courier					
Log In										
3. Was an a	ittempt made to	cool the sample	s?		Yes 🗹	1	No 🗌			
4. Were all	samples receive	ed at a temperatu	re of >0° C	to 6 0°C	Yes 🗌	1	No 🔽			
					Samples	not froze	n			
5. Sample(s) in proper cont	tainer(s)?			Yes 🗹	1	No 🗆			
6. Sufficient	sample volume	for indicated tes	it(s)?		Yes 🗹	Ν	10 🗆			
7. Are samp	les (except VO/	A and ONG) prop	erly preserve	ed?	Yes 🔽	N	10 🗌			
8. Was pres	ervative added	to bottles?			Yes 🗌	Ν	lo 🗹	NA 🗌		
9. Received	at least 1 vial w	vith headspace <	1/4" for AQ \	/OA?	Yes 🗌	N	10 🗆	NA 🗹		
10. Were any	sample contai	ners received bro	oken?		Yes 🗆	1	No 🔽	# of proponed		
							_	bottles checked		
11. Does pap	erwork match b	ottle labels?			Yes 🗹	N	10 LI	for pH:		
12 Are matri	res correctly ide	antified on Chain	of Custody?		Voc 🖌	Ν		Adjusted?		
13. Is it clear	what analyses v	were requested?	of ouslody?		Ves V	N				
14. Were all I	olding times at	ble to be met?			Ves V	N		Checked by: SEAL 10/23/-		
(If no, not	fy customer for	authorization.)								
Special Ha	ndling (if ap	oplicable)								
15. Was clie	nt notified of all	discrepancies wi	th this order'	?	Yes 🗌	1	No 🗌	NA 🗹		
Pe	son Notified:	1		Date:	1					
By	Whom:			Via:	eMail	Phone	🗌 Fax	In Person		
Re	garding:	1.1								
Cli	ent Instructions:	1								
16. Addition	al remarks:									
17. Cooler	nformation		Sec. 10	1 Consuma	al and a second	No.				
Coole	r No Temp °(C Condition	Seal Intact	Seal No	Seal Date	Signe	ed By			
2	-1.4	Good				-				
				1						

	TOPY		0	5															nut frown	mos.com
	TS I ABODA	ronmental com	uquerque. NM 8710	ax 505-345-4107	sis Request	(Jr	Jəsc	1A\ti	uəse	A) Pre) ш. ОЛ:	(AC ime Iofil	250 (V) 8270 (Sd 701 Co	-					Scimpler	andez@wsp.com & ben.belill@
	ALL EN	www.hallenvi	kins NE - Alb	45-3975 F	Analys	*0	s '*	PO,	0 ^{5'}	01 8	10 ³ 10 ³	v 83 We	РАНs b) RCRA 8 СI, F, B	X					0.43.0 1212	어.여 土스
			4901 Haw	Tel. 505-3		(0	8's	DCI 0 \ 1 8) s,	1) 282 282	L / 0) 8/s	abd Sebi (GR	TM 5D 5tic	втех / тен:801 9081 Ре 6081 Ре	X X					Remarks: Rect bill to Lucid Energ	rop # 195211000 company # 860 end confirmation and I
										No		Remerks	HEAL No. 200030	194					Date Time F	Date Time 23/な 75よ
Time:	□ Rush		Lateral #3	A LANGE	35.000	ger:			Belill	⊡ Yes □	6	including CF): Sec	Preservative Type						Via:	via: 20 cul-
Turn-Around	Standard	Project Name	Juniper 8"	Project #:	314036	Project Mana	Ben Belill		Sampler: Ben	On Ice:	# of Coolers:	Cooler Temp(Container Type and #						Received by:	Received by:
tody Record	nergy Group	Gant	4th Artesia, NM 88210			energy.com		Level 4 (Full Validation)	oliance				Sample Name	St. Jot					T. allel) (
I-of-Cus	Lucid E	Michae	s: 201 S		10-6144	mgant@lucid-	24		□ Az Comp	□ Other			Matrix	S					Relinquished b	Relinquished b
Chair	Client:		Mailing Addres		Phone #: 575-6	email or Fax#:	QA/QC Package	□ Standard	Accreditation:	D NELAC	□ EDD (Type)		Date Time	1751 12/01					Date: Time:	Date: Time:



January 07, 2022

Joseph S. Hernandez Lucid Energy 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.: 2201036

RE: Juniper 8 Lateral 3

Dear Joseph S. Hernandez:

Hall Environmental Analysis Laboratory received 6 sample(s) on 1/4/2022 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

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy		C	Client Sample ID: SS01
Project:	Juniper 8 Lateral 3			Collection Date: 12/29/2021 12:16:00 PM
Lab ID:	2201036-001	Matrix:]	MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: SB				
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/4/2022 6:49:40 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/4/2022 6:49:40 PM
Surr: DNOP	80.9	70-130	%Rec	1	1/4/2022 6:49:40 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	1/4/2022 10:03:53 AM
Surr: BFB	92.8	70-130	%Rec	1	1/4/2022 10:03:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.018	mg/Kg	1	1/4/2022 10:03:53 AM
Toluene	ND	0.036	mg/Kg	1	1/4/2022 10:03:53 AM
Ethylbenzene	ND	0.036	mg/Kg	1	1/4/2022 10:03:53 AM
Xylenes, Total	ND	0.072	mg/Kg	1	1/4/2022 10:03:53 AM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	1/4/2022 10:03:53 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	350	60	mg/Kg	20	1/4/2022 8:27:31 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 interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	(Client Sample ID: SS01A
Project:	Juniper 8 Lateral 3		Collection Date: 12/29/2021 12:20:00 PM
Lab ID:	2201036-002	Matrix: MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE ORG	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/4/2022 7:20:55 PM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/4/2022 7:20:55 PM		
Surr: DNOP	89.7	70-130	%Rec	1	1/4/2022 7:20:55 PM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	1/4/2022 10:27:25 AM		
Surr: BFB	92.1	70-130	%Rec	1	1/4/2022 10:27:25 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.021	mg/Kg	1	1/4/2022 10:27:25 AM		
Toluene	ND	0.042	mg/Kg	1	1/4/2022 10:27:25 AM		
Ethylbenzene	ND	0.042	mg/Kg	1	1/4/2022 10:27:25 AM		
Xylenes, Total	ND	0.084	mg/Kg	1	1/4/2022 10:27:25 AM		
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	1/4/2022 10:27:25 AM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	250	60	mg/Kg	20	1/4/2022 8:39:55 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 interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	Client Sample ID: SS03				
Project:	Juniper 8 Lateral 3		Collection Date: 12/29/2021 12:32:00 PM			
Lab ID:	2201036-003	Matrix: MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM			

Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/4/2022 7:31:20 PM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/4/2022 7:31:20 PM		
Surr: DNOP	76.1	70-130	%Rec	1	1/4/2022 7:31:20 PM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	1/4/2022 10:51:16 AM		
Surr: BFB	90.6	70-130	%Rec	1	1/4/2022 10:51:16 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.022	mg/Kg	1	1/4/2022 10:51:16 AM		
Toluene	ND	0.043	mg/Kg	1	1/4/2022 10:51:16 AM		
Ethylbenzene	ND	0.043	mg/Kg	1	1/4/2022 10:51:16 AM		
Xylenes, Total	ND	0.087	mg/Kg	1	1/4/2022 10:51:16 AM		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	1/4/2022 10:51:16 AM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	1/4/2022 8:52:19 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

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 interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	(Client Sample ID: SS03A
Project:	Juniper 8 Lateral 3		Collection Date: 12/29/2021 12:40:00 PM
Lab ID:	2201036-004	Matrix: MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/4/2022 7:41:45 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/4/2022 7:41:45 PM
Surr: DNOP	79.3	70-130	%Rec	1	1/4/2022 7:41:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	1/4/2022 11:14:50 AM
Surr: BFB	91.9	70-130	%Rec	1	1/4/2022 11:14:50 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.016	mg/Kg	1	1/4/2022 11:14:50 AM
Toluene	ND	0.032	mg/Kg	1	1/4/2022 11:14:50 AM
Ethylbenzene	ND	0.032	mg/Kg	1	1/4/2022 11:14:50 AM
Xylenes, Total	ND	0.065	mg/Kg	1	1/4/2022 11:14:50 AM
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	1/4/2022 11:14:50 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	1/4/2022 9:29:32 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

- 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 interference

B Analyte detected in the associated Method Blank

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

Page 4 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	Client Sample ID: SS04			
Project:	Juniper 8 Lateral 3		Collection Date: 12/29/2021 1:27:00 PM		
Lab ID:	2201036-005	Matrix: MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM		

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/4/2022 7:52:12 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/4/2022 7:52:12 PM
Surr: DNOP	82.1	70-130	%Rec	1	1/4/2022 7:52:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	1/4/2022 11:38:25 AM
Surr: BFB	94.0	70-130	%Rec	1	1/4/2022 11:38:25 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	1/4/2022 11:38:25 AM
Toluene	ND	0.034	mg/Kg	1	1/4/2022 11:38:25 AM
Ethylbenzene	ND	0.034	mg/Kg	1	1/4/2022 11:38:25 AM
Xylenes, Total	ND	0.069	mg/Kg	1	1/4/2022 11:38:25 AM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	1/4/2022 11:38:25 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	120	60	mg/Kg	20	1/4/2022 9:41:57 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 10

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201036

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	0	Client Sample ID: SS04A
Project:	Juniper 8 Lateral 3		Collection Date: 12/29/2021 1:30:00 PM
Lab ID:	2201036-006	Matrix: MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/4/2022 8:02:39 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/4/2022 8:02:39 PM
Surr: DNOP	80.2	70-130	%Rec	1	1/4/2022 8:02:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	1/4/2022 12:01:58 PM
Surr: BFB	96.5	70-130	%Rec	1	1/4/2022 12:01:58 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	1/4/2022 12:01:58 PM
Toluene	ND	0.039	mg/Kg	1	1/4/2022 12:01:58 PM
Ethylbenzene	ND	0.039	mg/Kg	1	1/4/2022 12:01:58 PM
Xylenes, Total	ND	0.078	mg/Kg	1	1/4/2022 12:01:58 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	1/4/2022 12:01:58 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	75	60	mg/Kg	20	1/4/2022 9:54:21 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 10

Client: Project:	Lucid Er Juniper 8	nergy 3 Lateral 3									
Sample ID:	MB-64847	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 64	847	R	unNo: 8 4	1950				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	S	eqNo: 29	988853	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-64847	SampT	ype: Ics	;	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 64	847	R	unNo: 8 4	1950				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	S	eqNo: 29	88854	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	95.3	90	110			

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 10

2201036

07-Jan-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Page	95	of 118	;

WO#:	2201036

07-Jan-22

Client:	Lucid Ene	ergy									
Project:	Juniper 8	Lateral 3									
Sample ID:	2201036-001AMS	SampT	ype: M	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	SS01	Batch	n ID: 64	835	F	RunNo: 8	4921				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	S	SeqNo: 2	988427	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	44	9.9	49.60	6.205	76.3	39.3	155			
Surr: DNOP		4.2		4.960		84.6	70	130			
Sample ID:	2201036-001AMS) SampT	ype: M S	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	SS01	Batch	n ID: 64	835	F	RunNo: 8	4921				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	5	SeqNo: 2	988428	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	48	9.8	48.83	6.205	86.5	39.3	155	9.49	23.4	
Surr: DNOP		3.8		4.883		78.5	70	130	0	0	
Sample ID:	LCS-64835	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	n ID: 64	835	F	RunNo: 8	4921				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	5	SeqNo: 2	988438	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	42	10	50.00	0	84.1	68.9	135			
Surr: DNOP		4.1		5.000		82.3	70	130			
Sample ID:	MB-64835	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 64	835	F	RunNo: 8	4921				
Prep Date:	1/4/2022	Analysis D	ate: 1/	4/2022	5	SeqNo: 2	988439	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Motor Oil Rang	je Organics (MRO)	ND	50								
Surr: DNOP		8.4		10.00		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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Client:	Lucid Energy										
Project:	Juniper 8 Lateral 3										
Sample ID: mb-648	22 SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	ID: 64	822	R	lunNo: 8 4	4937					
Prep Date: 1/3/202	22 Analysis D	ate: 1/	4/2022	S	eqNo: 29	988058	Units: mg/k	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics	(GRO) ND	5.0									
Surr: BFB	920		1000		92.1	70	130				
Sample ID: Ics-64822 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range											
Client ID: LCSS	Batch	ID: 64	822	R	unNo: 8 4	4937					
Prep Date: 1/3/202	22 Analysis D	ate: 1/	4/2022	S	eqNo: 29	988059	Units: mg/k	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics	(GRO) 23	5.0	25.00	0	92.0	78.6	131				
Surr: BFB	1100		1000		106	70	130				

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 10

2201036

07-Jan-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Lucio Project: Junip	l Energy per 8 Lateral 3										
Sample ID: mb-64822	Samp	Гуре: МЕ	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: 64	822	F	RunNo: 8	4937	7				
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	5	SeqNo: 2	988080	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130				
Sample ID: LCS-64822	Samp	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batc	h ID: 64	822	F	RunNo: 8	4937					
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	5	SeqNo: 2	988081	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.90	0.025	1.000	0	90.5	80	120				
Toluene	0.91	0.050	1.000	0	90.8	80	120				
Ethylbenzene	0.91	0.050	1.000	0	91.1	80	120				
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120				
Surr: 4-Bromofluorobenzene	1.1		1.000		106	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2201036

07-Jan-22

ANALYSIS LABORATORY	Alt TEL: 505-345-397 Website: clients.h	49 buquer 5 FAX callenv	01 Hawkin que. NM & : 505-345- ironmenta	ns NE 87109 -4107 rl.com	Sar	mple Log-In Check List
Client Name: Lucid Energy	Work Order Numbe	r: 220	1036			RcptNo: 1
Received By: Isaiah Ortiz	1/4/2022 7:28:00 AM			1	-	24
Completed By: Isaiah Ortiz	1/4/2022 7:45:22 AM			7	_2	22
Reviewed By: DAD 1/4/2-2	-					27 C
Chain of Custody						
1. Is Chain of Custody complete?		Yes		N	• 🗆	Not Present
2. How was the sample delivered?		Cou	irier			
Log In						
3. Was an attempt made to cool the sa	mples?	Yes		No		
4. Were all samples received at a temp	erature of >0° C to 6.0°C	Yes		No		
5. Sample(s) in proper container(s)?		Yes		No		
6. Sufficient sample volume for indicate	d 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 headspa	ce <1/4" for AQ VOA?	Yes		No		NA 🔽
10. Were any sample containers receive	d broken?	Yes		No		
11. Does paperwork match bottle labels?		Yes	~	No		# of preserved bottles checked for pH:
2 Are matrices correctly identified on C	ody)	Vee			Π	(<2 or >12 unless noted) Adjusted?
3 Is it clear what analyses were reques	ted?	Yes		No		
 Were all holding times able to be mel (If no, notify customer for authorizatio) 	? n.)	Yes		No		Checked by: 31 1/4/22
Special Handling (if applicable)						
15. Was client notified of all discrepancie	es with this order?	Yes		No		
Person Notified:	Date:			_		
By Whom:	Via: [eM	ail 🗌 P	hone] Fax	In Person
Regarding:						
Client Instructions:						
10. Additional remarks:						
17. Cooler Information						
Cooler No Temp °C Conditio	on Seal Intact Seal No S	Seal D	ate	Signed	By	

Cha	in-of-	Custody Record	Turn-Around	Time:						
Client:	Luc	cid Energy Group	Standard	Rust	124HR		ANA	L EN	VIRON	MENTAL
	Mi	chael Gant	Project Nam							JKALUKT
Mailing Addi	ess: 2(01 S 4th Artesia, NM 88210	Juniper 8"	Lateral #3		4901 5	Hawkins NF		IIIIeniai.com	187100
			Project #:		1	Tal 5	15-345-307	hnow	L EDE 37E A	107
Phone #: 57!	-810-614	4	314036	65.000				Analysis	Request	101
email or Fax	#; mgant@	Ølucid-energy.com	Project Mana	iger:		((*C	(1	
QA/QC Packs	ge:		Joseph He	ernandez		120 NRC 8's	SI)s ''	uəs	
Standard		Level 4 (Full Validation)				ьсе 1/0 8) s	NIS	₽Од	dA\t	
Accreditatior	I: D Az	Compliance	Sampler: Ber	n Belill		88 DB	1)	^{'7} 0	uəs	
D NELAC		her	On Ice:	Yes	ON D	1 / 1 0 / 0	.40 9 10	N	Pre 919	
C EDD (Typ	e)		# of Coolers:	1		I Sebi Sebi	2 b 0 1 0 c	^{'E} OI) ω ΌΛ	
			Cooler Temp	(including CF): 1.1	±O	MT 5D(etho 9M	N .	-ime lifor	
Date Tirr	e Matr	ix Sample Name	Container Type and #	Preservative Type	HEAL No.	87EX / 108:H91 8081 Pe	BDB (Me PAHs by CRA 8	3560 (∧C CI) E, Bi	s2) 0728 Dotal Co	
12/24/21 12.	6 S	SS01	JAR/0.5'	N/A	In		1	3	L	
12/21/21 122	S O	SS01A	JAR/1'	N/A	200					
12 /29/ 123	32 S	SS03	JAR/0.5'	N/A	200 200					
12/29/21 124	S O	SS03A	JAR/1'	N/A	500					
12/29/21 132	S L	SS04	JAR/0.5'	N/A	005					
12/20/21 133	S 0	SS04A	JAR/1'	N/A	006					
	_									
Date: Time:	Relinqui	ished by:	Received by:	Via:	Date Time	Remarks:	_			
15/23 1100	J.	CALS OF	Callaure	un	1 3 33- 1100	Direct bill to Lucid I AFE 300080	Energy			
13/33 1900	A M. L	ished by:	Received by:	Via:	Date Time	Prop # 195211000 Company # 860 Send confirmation	and lab report to	joe.hemande:	z@wsp.com & be	n.beliil@wsp.com
If necess	ary, samples	submitted to Hall Environmental may be subco	ontracted to other ac	credited laboratories	s. This serves as notice of this	e noccibility Any cu	at between the	Take Land		and the second

Received by OCD: 2/18/2022 1:00:04 PM



January 07, 2022

Joseph S. Hernandez Lucid Energy 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.: 2201037

RE: Juniper 8 Lateral 3

Dear Joseph S. Hernandez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/4/2022 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

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201037

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	Client Sample ID: SS02
Project:	Juniper 8 Lateral 3	Collection Date: 12/30/2021 11:30:00 AM
Lab ID:	2201037-001	Matrix: MEOH (SOIL) Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	1/4/2022 8:13:06 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/4/2022 8:13:06 PM
Surr: DNOP	81.4	70-130	%Rec	1	1/4/2022 8:13:06 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/4/2022 12:25:35 PM
Surr: BFB	91.3	70-130	%Rec	1	1/4/2022 12:25:35 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.020	mg/Kg	1	1/4/2022 12:25:35 PM
Toluene	ND	0.040	mg/Kg	1	1/4/2022 12:25:35 PM
Ethylbenzene	ND	0.040	mg/Kg	1	1/4/2022 12:25:35 PM
Xylenes, Total	ND	0.080	mg/Kg	1	1/4/2022 12:25:35 PM
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	1/4/2022 12:25:35 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	110	60	mg/Kg	20	1/4/2022 10:06:45 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 interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201037

Date Reported: 1/7/2022

CLIENT: Lucid Energy	Client Sample ID: SS02A
Project: Juniper 8 Lateral 3	Collection Date: 12/30/2021 11:40:00 AM
Lab ID: 2201037-002	Matrix: MEOH (SOIL) Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	10	9.0	mg/Kg	1	1/4/2022 8:23:34 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	1/4/2022 8:23:34 PM
Surr: DNOP	79.4	70-130	%Rec	1	1/4/2022 8:23:34 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	1/4/2022 12:49:17 PM
Surr: BFB	94.7	70-130	%Rec	1	1/4/2022 12:49:17 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	1/4/2022 12:49:17 PM
Toluene	ND	0.033	mg/Kg	1	1/4/2022 12:49:17 PM
Ethylbenzene	ND	0.033	mg/Kg	1	1/4/2022 12:49:17 PM
Xylenes, Total	ND	0.066	mg/Kg	1	1/4/2022 12:49:17 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	1/4/2022 12:49:17 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	1/4/2022 10:19:10 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

- 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Client: Project:	Lucid Er Juniper 8	nergy 3 Lateral 3									
Sample ID:	MB-64847	SampT	ype: m k	olk	Tes	tCode: EP	PA Method	300.0: Anion	S		
Client ID:	PBS	Batch	ID: 64	847	R	unNo: 84	1950				
Prep Date:	1/4/2022	Analysis Da	ate: 1/	4/2022	S	eqNo: 29	88853	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-64847	SampT	ype: Ics	;	Tes	tCode: EF	A Method	300.0: Anion	S		
Client ID:	LCSS	Batch	ID: 64	847	R	unNo: 84	1950				
Prep Date:	1/4/2022	Analysis Da	ate: 1/	4/2022	S	eqNo: 29	88854	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	95.3	90	110			

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

.

2201037

07-Jan-22

Client: Project:	Lucid Energy Juniper 8 Lateral 3										
Sample ID: LCS-648	35 Samp	Type: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		٦
Client ID: LCSS	Bato	ch ID: 64	835	F	RunNo: 84	4921			: g=		
Prep Date: 1/4/202	2 Analysis	Date: 1/	4/2022	S	SeqNo: 2	988438	Units: mg/#	íg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) 42	10	50.00	0	84.1	68.9	135				_
Surr: DNOP	4.1		5.000		82.3	70	130				
Sample ID: MB-6483	35 Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		٦
Client ID: PBS	Bato	ch ID: 64	835	F	RunNo: 8 4	4921					
Prep Date: 1/4/202	2 Analysis	Date: 1/	4/2022	S	SeqNo: 2	988439	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) ND	10									
Motor Oil Range Organics	(MRO) ND	50									
Surr: DNOP	8.4		10.00		84.1	70	130				

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

2201037

07-Jan-22

Client:	Lucid Energy									
Project:	Juniper 8 Lateral	3								
Sample ID: mb-648	322 Sam	рТуре: М	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Range	e	
Client ID: PBS	Bat	tch ID: 64	822	F	RunNo: 8 4	4937				
Prep Date: 1/3/20	Analysis	Date: 1/	4/2022	S	SeqNo: 29	988058	Units: mg/k	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) ND	5.0								
Surr: BFB	920		1000		92.1	70	130			
Sample ID: Ics-648	Sam	pType: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Range	e	
Client ID: LCSS	Bat	tch ID: 64	822	F	RunNo: 8 4	1937				
Prep Date: 1/3/20	Analysis	Date: 1/	4/2022	S	SeqNo: 29	988059	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	es (GRO) 23	5.0	25.00	0	92.0	78.6	131			
Surr: BFB	1100		1000		106	70	130			

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 3/21/2022 3:21:33 PM

07-Jan-22

2201037

Client: Lu Project: Jui	cid Energy niper 8 Lateral 3									
Sample ID: mb-64822	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 64	822	F	RunNo: 8	4937				
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	S	SeqNo: 2	988080	Units: mg/k	٢g		
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-Bromofluorobenzen	e 1.0		1.000		103	70	130			
Sample ID: LCS-64822	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 64	822	F	RunNo: 8	4937				
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	S	SeqNo: 2	988081	Units: mg/#	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120			
Surr: 4-Bromofluorobenzen	e 1.1		1.000		106	70	130			

- * 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

2201037

07-Jan-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmen TEL: 505-345-3 Website: client	ntal Analy 49(Albuquera 975 FAX: s.hallenvi	sis Laborator 11 Hawkins N 1ue, NM 8710 505-345-410 ronmental.com	73 7E 199 197 107	San	nple Log-In Check List
Client Name: Lucid Energy	Work Order Num	ber: 220	1037			RcptNo: 1
Received By: Isaiah Ortiz	1/4/2022 7:28:00 A	м		T	20	2×
Completed By: Isaiah Ortiz	1/4/2022 7:52:22 A	м		I	20	24
Reviewed By: OAD 12/4/	122					
Chain of Custody	1 lldt					
1. Is Chain of Custody complete?		Yes	V	No		Not Present
2. How was the sample delivered?		Cou	rier			
Log In				46		
 was an attempt made to cool the 	samples?	Yes		NO		
4. Were all samples received at a te	mperature of >0° C to 6.0°C	Yes		No		
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	IG) properly preserved?	Yes		No		
8. Was preservative added to bottles	\$?	Yes		No	\checkmark	NA 🗌
9. Received at least 1 vial with head	space <1/4" for AQ VOA?	Yes		No		NA 🗹
0. Were any sample containers rece	vived broken?	Yes		No		# of preserved
1. Does paperwork match bottle labe (Note discrepancies on chain of c	els? ustody)	Yes		No		for pH: (<2 or >12 unless_noted)
2. Are matrices correctly identified of	n Chain of Custody?	Yes	V	No		Adjusted?
3. Is it clear what analyses were requ	uested?	Yes		No		
4. Were all holding times able to be (If no, notify customer for authoriz	met? ation.)	Yes		No		Checked by: JR 1 H 22
Special Handling (if applicab	le)					
15. Was client notified of all discrepa	ncies with this order?	Yes		No		NA 🗹
Person Notified:	Date:	1		-	-	
By Whom:	Via:	eM	ail 🗌 Pho	ne 🗌] Fax	In Person
Regarding: Client Instructions:				_		
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp ºC Con	dition Seal Intact Seal No	Seal D	ate Si	gned	Ву	

Chain-o	-1 -1	stody kecord					A H			TRON	MENTAL	
_	ucid E	Energy Group	□ Standarc	i 👼 Rust	124HR		A			I ARC	DRATODY	
ď	Micha	el Gant	Project Nam	ë			VUV	alled w		nental con		
Address:	201 S	4th Artesia, NM 88210	Juniper 8"	Lateral #3		4901 1	Jawkins	NF -			1 87100	
			Project #:			Tel. 5	05-345-	3975	Fax	505-345-4	107	
t: 575-810-6	144		314036	65.000				Ana	lysis F	Request		
Fax#: mgar	nt@lucic	l-energy.com	Project Mana	ager:		(0		VC		()		T
ackage:			Joseph He	ernandez		12021 MRC 8'S	SV	DS		uəso		
lard	_	Level 4 (Full Validation)				ьсғ о / I s,	NISC	ЪО		dA\ti		
ation:	Az Con	npliance	Sampler: Ber	n Belill		8M 782	۶52٤ ۱)	0		uəsi		
C D	Other		On Ice:	Yes	ON D)8/9 / 0 / 1	.40 9 10	N		Pre Pre		
(Type)			# of Coolers:	1		E Seb Seb	9 01 9 P	slst 603) w		
			Cooler Temp	(including CF): 1.1	Q∓,	MT 5D(ethc	θM.	(AC	-ime lifor		
Time	atrix	Sample Name	Container Type and #	Preservative Type	7 7 OLO 3 1	BTEX / TPH:801 9981 Pe	M) 803 (M 2HA9	8 AADA CI, F, Bi	0A) 0928	o) 0/28		
1130	S	SS02	JAR/0.5'	N/A	8					-		
1140	S	SS02A	JAR/1'	N/A	200							
												-
												П
												1
ime: Relir	nquished	by:	Received by:	Via:	Date Time	Remarks:						T
100	DU	Sele	Where	Llero	13/28 1100	Direct bill to Lucid AFE 300080	Energy					
me: Relir	nquished	by:	Received by:	Via: 👔	Date Time	Prop # 195211000 Company # 860						
AN NAM	1184	2 2 2 1	C	POINNA	2500 75/mli	Send confirmation	and lab rep	ort to joe.h	emandez(@wsp.com & be	en.belill@wsp.com	-

Received by OCD: 2/18/2022 1:00:04 PM


January 07, 2022

Joseph S. Hernandez Lucid Energy 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.: 2201038

RE: Juniper 8 Lateral 3

Dear Joseph S. Hernandez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/4/2022 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

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201038

Date Reported: 1/7/2022

CLIENT:	Lucid Energy		C	Client Sample ID: SW07
Project:	Juniper 8 Lateral 3			Collection Date: 12/28/2021 2:35:00 PM
Lab ID:	2201038-001	Matrix: N	MEOH (SOIL)	Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/4/2022 8:34:08 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/4/2022 8:34:08 PM
Surr: DNOP	80.6	70-130	%Rec	1	1/4/2022 8:34:08 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	1/4/2022 1:36:46 PM
Surr: BFB	94.6	70-130	%Rec	1	1/4/2022 1:36:46 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	1/4/2022 1:36:46 PM
Toluene	ND	0.038	mg/Kg	1	1/4/2022 1:36:46 PM
Ethylbenzene	ND	0.038	mg/Kg	1	1/4/2022 1:36:46 PM
Xylenes, Total	ND	0.075	mg/Kg	1	1/4/2022 1:36:46 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	1/4/2022 1:36:46 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	360	60	mg/Kg	20	1/4/2022 10:31:35 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 interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2201038

Date Reported: 1/7/2022

CLIENT:	Lucid Energy	Client Sample ID: SW08
Project:	Juniper 8 Lateral 3	Collection Date: 12/28/2021 2:45:00 PM
Lab ID:	2201038-002	Matrix: MEOH (SOIL) Received Date: 1/4/2022 7:28:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/4/2022 8:44:47 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/4/2022 8:44:47 PM
Surr: DNOP	79.4	70-130	%Rec	1	1/4/2022 8:44:47 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/4/2022 2:00:39 PM
Surr: BFB	98.8	70-130	%Rec	1	1/4/2022 2:00:39 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.020	mg/Kg	1	1/4/2022 2:00:39 PM
Toluene	ND	0.040	mg/Kg	1	1/4/2022 2:00:39 PM
Ethylbenzene	ND	0.040	mg/Kg	1	1/4/2022 2:00:39 PM
Xylenes, Total	ND	0.079	mg/Kg	1	1/4/2022 2:00:39 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	1/4/2022 2:00:39 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	200	60	mg/Kg	20	1/5/2022 12:23:14 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 interference S

в Analyte detected in the associated Method Blank

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 6

.

Client ID:

Analyte

Analyte

Chloride

Chloride

PBS

Prep Date: 1/4/2022

Sample ID: LCS-64852

Prep Date: 1/4/2022

Client ID: LCSS

Page	<i>112</i>	of 118

Hall Envi	Hall Environmental Analysis Laboratory, Inc. WO#:										
Client: Project:	Lucio Junip	l Energy ber 8 Lateral 3									
Sample ID: ME	3-64847	SampT	ype: m t	olk	Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID: PBS Batch ID: 64847 Prep Date: 1/4/2022 Analysis Date: 1/4/2022			RunNo: 84950 SeqNo: 2988853 Units: mg/Kg								
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LC	S-64847	SampT Batch	ype: Ics	s 847	Tes	tCode: EF	PA Method	300.0: Anion	S		
Prep Date: 1/	/4/2022	Analysis D	vate: 1/	4/2022	S	SeqNo: 2	988854	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: ME	3-64852	14 SampT	1.5	15.00	U Tes	95.3 tCode: Ef	90 PA Method	300.0: Anion	s		

RunNo: 84950

RunNo: 84950

%REC

SeqNo: 2988890

SPK value SPK Ref Val %REC LowLimit

SeqNo: 2988889

TestCode: EPA Method 300.0: Anions

LowLimit

Units: mg/Kg

Units: mg/Kg

HighLimit

%RPD

%RPD

RPDLimit

RPDLimit

Qual

Qual

HighLimit

14 1.5 15.00 0 95.7 90 110

SPK value SPK Ref Val

Batch ID: 64852

Analysis Date: 1/4/2022

SampType: Ics

Batch ID: 64852

PQL

Analysis Date: 1/5/2022

PQL

1.5

Result

Result

ND

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 6

Client:	Lucid Energy Juniper 8 Lateral 3										
Sample ID: LCS-648	35 Samo	Type: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		Ī
Client ID: LCSS	Bato	Batch ID: 64835			RunNo: 84921						
Prep Date: 1/4/202	2 Analysis	Date: 1/	4/2022	S	SeqNo: 2	988438	Units: mg/H	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) 42	10	50.00	0	84.1	68.9	135				
Surr: DNOP	4.1		5.000		82.3	70	130				
Sample ID: MB-6483	5 Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		1
Client ID: PBS	Bato	ch ID: 64	835	F	RunNo: 8 4	4921					
Prep Date: 1/4/202	2 Analysis	Date: 1/	4/2022	S	SeqNo: 2	988439	Units: mg/k	ſg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (D	RO) ND	10									_
Motor Oil Range Organics	(MRO) ND	50									
Surr: DNOP	8.4		10.00		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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

2201038

07-Jan-22

WO#:

Client:	Lucid Energy									
Project:	Juniper 8 Lateral 3									
Sample ID: mb-64822 SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Bato	h ID: 64	822	R	RunNo: 8 4	1937				
Prep Date: 1/3/20	22 Analysis	Date: 1/	4/2022	S	SeqNo: 29	988058	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) ND	5.0								
Surr: BFB	920		1000		92.1	70	130			
Sample ID: Ics-648	22 Samp	Туре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	9	
Client ID: LCSS	Bato	h ID: 64	822	R	RunNo: 8 4	1937				
Prep Date: 1/3/20	22 Analysis	Date: 1/	4/2022	S	SeqNo: 29	988059	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organic	s (GRO) 23	5.0	25.00	0	92.0	78.6	131			
Surr: BFB	1100		1000		106	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Released to Imaging: 3/21/2022 3:21:33 PM

WO#: 2201038 07-Jan-22

Client: Lu Project: Jui	cid Energy niper 8 Lateral 3									
Sample ID: mb-64822	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 64	822	F	RunNo: 8	4937				
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	S	SeqNo: 2	988080	Units: mg/k	٢g		
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-Bromofluorobenzen	e 1.0		1.000		103	70	130			
Sample ID: LCS-64822	Samp	Гуре: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: 64	822	F	RunNo: 8	4937				
Prep Date: 1/3/2022	Analysis [Date: 1/	4/2022	S	SeqNo: 2	988081	Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.4	80	120			
Surr: 4-Bromofluorobenzen	e 1.1		1.000		106	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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

2201038

07-Jan-22

WO#:

ANALYSIS LABORATORY	L.	4901 Hawkins NE 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com					Sample Log-In Check Lis				
Client Name: Lucid Energ	у	Work Order Numbe	er: 22(01038			RcptNo: 1				
Received By: Isaiah Ortiz	z	/4/2022 7:28:00 AM			T	- 6	2-16				
Completed By: Isaiah Ortiz	z	/4/2022 8:01:33 AM			1	1	24				
Reviewed By: DAD	1/4/21										
Chain of Custody											
1. Is Chain of Custody comple	te?		Yes		No		Not Present				
2. How was the sample delive	red?		<u>Co</u>	urier							
Log In											
3. Was an attempt made to co	ol the samples?		Yes		No						
4. Were all samples received a	at a temperature of	>0° C to 6.0°C	Yes		No						
5. Sample(s) in proper contain	er(s)?		Yes		No						
6. Sufficient sample volume for	indicated test(s)?		Yes		No						
7, Are samples (except VOA ar	nd ONG) properly p	eserved?	Yes		No						
8. Was preservative added to b	oottles?		Yes		No		NA 🗌				
9. Received at least 1 vial with	headspace <1/4" fo	r AQ VOA?	Yes		No						
0. Were any sample containers	s received broken?		Yes		No		# of processed				
1. Does paperwork match bottle (Note discrepancies on chair	e labels? i of custody)		Yes		No		bottles checked for pH:	unless noted)			
2. Are matrices correctly identif	ied on Chain of Cus	tody?	Yes		No		Adjusted?				
3. Is it clear what analyses were	e requested?		Yes		No			1.1			
 Were all holding times able to (If no, notify customer for aut) 	o be met? horization.)		Yes	1	No		Checked by:	14/22			
pecial Handling (if appli	cable)										
5. Was client notified of all disc	repancies with this	order?	Yes		No		NA 🗹				
Person Notified:		Date:			-						
By Whom:		Via:	eMa	ail 🗌 Phone		Fax	In Person				
Regarding: Client Instructions:					_						
6. Additional remarks:											
7. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal I	ntact Seal No S	eal Da	ate Signe	ed E	Зу					

Page 1 of 1

Received by OCD: 2/18/2022 1:00:04 PM

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:			
LUCID ENERGY DELAWARE, LLC	372422			
201 S. Fourth Street	Action Number:			
Artesia, NM 88210	82688			
	Action Type:			
	[C-141] Release Corrective Action (C-141)			

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	3/21/2022

CONDITIONS

Page 118 of 118

Action 82688

.