WSP USA

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

May 9, 2022

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

RE: Closure Request Seinfield 10-inch pipeline Incident Number NAPP2201459944 Lea County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of Lucid Energy Delaware, LLC (Lucid) presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Seinfield 10-inch pipeline (Site) in Unit I, Section 33, Township 24 South, Range 35 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following the release of pipeline liquid from a Natural Gas line at the Site. Based on the excavation activities and soil sample laboratory analytical results, Lucid is submitting this Closure Request, and requesting no further action (NFA) for Incident Number nAPP2201459944.

RELEASE BACKGROUND

On January 06, 2022, corrosion on a 10-inch main line resulted in a pinhole leak leading to the volume release of 1,904 MCF of natural gas and 10 gallons (gal) of pipeline liquid onto the pipeline Right of Way (ROW). From the total release volume, 8 gals of pipeline liquid were recovered. Immediate notice was not provided to New Mexico Oil Conservation Division (NMOCD), until an accurate volume calculation of the loss could be provided. Lucid reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on January 14, 2022. The release was assigned Incident Number nAPP2201459944.

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). Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321031103211501, located approximately 0.8 miles northeast of the Site. The groundwater well has a reported depth to groundwater of 98 feet bgs and a total depth of 112 bgs. The referenced well records are included

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District II Page 2

in Attachment 1. The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 3,067 feet southwest 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 (low 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
- TPH: 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On February 10, 2022, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Two boreholes were advanced and collected within the release extent from a depth of 8 feet bgs to assess the lateral extent of impacted soil. Soil from the borehole soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. Based on field screenings, clean lateral depth was determined to be at 8 ft bgs. Based on visual observations and, field screening activities, for the two borehole samples, excavation activities were warranted to remove impacted soil to a total depth of 8 ft bgs.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On February 28 and March 1, 2022, WSP personnel returned to the Site to oversee additional excavation and completion of activities. Based on visual observations and, field screening activities, for the borehole soil samples, delineation and excavation were completed to remove impacted soil in the area surrounding the release extent. Excavation activities were performed using a track hoe. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach[®] chloride QuanTab[®] test strips, respectively. The excavation was completed to an approximate depth of 8-foot bgs.



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Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor 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. Composite soil samples FS01 through FS06 were collected from the floor of the excavation, from a depth of 8-feet bgs. Due to the depth of the excavation, soil samples were taken for the sidewalls (SW) of the excavation. The excavation SW soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation was completed during the Site visits and a photographic log is included in Attachment 3.

Laboratory analytical results for excavation soil samples FS01 through FS06 and SW01-SW09 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

The excavation area measured approximately 1,104 square feet. A total of approximately 981 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land disposal in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the January 06, 2022, release of natural gas pipeline liquid. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Lucid backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. Depth to groundwater has been determined to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and Lucid believe these remedial actions are protective of human health, the environment, and groundwater. As such, Lucid respectfully requests no further action for Incident Number NAPP2201459944. A signed C141 Closure Request is included in Attachment 5.

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If you have any questions or comments, please do not hesitate to contact Mr. Travis Casey at (575) 689-5949.

Sincerely,

WSP USA Inc.

pbenner

Payton Benner

Tigolog

Travis Casey Senior Consultant, Environmental Scientist

cc:

Bureau of Land Management Michael Grant, Lucid Energy Delaware, LLC.

Attachments:

Figure 1 Site Location Map

Assistant Consultant, Geologist

- Figure 2 Excavation Soil Sample Locations
- Table 1Soil Analytical Results
- Attachment 1 Referenced Well Records
- Attachment 2 Lithologic/Sampling Logs
- Attachment 3 Photographic Log
- Attachment 4 Laboratory Analytical Reports
- Attachment 5 C141 Closure Request



Released to Imaging: 6/2/2022 2:58:25 PM



TABLE

Table 1

Soil Analytical Results Seinfeld 10 inch pipeline Incident Number NAPP2201459944 Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Cl	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Excavation Floor Sa	amples									
FS01	02/28/2022	8	< 0.12	< 0.49	<9.6	<24	<48	<24	<48	<60
FS02	02/28/2022	8	< 0.12	<50.0	280	<25	120	280	400	240
FS02A	05/02/2022	8	ND	ND	29	ND	ND	29	29	ND
FS03	02/28/2022	8	< 0.12	<0.50	28	<25	<45	28	28	<60
FS04	02/28/2022	8	<0.12	<0.48	45	<24	<47	45	45	<60
FS05	03/01/2022	8	< 0.12	<0.48	72	<24	<47	72	72	180
FS06	02/28/2022	8	< 0.12	<0.50	<9.5	<25	<48	<25	<48	<60
Excavation Sidewal	l Samples									
SW01	02/28/2022	0 - 8	< 0.12	<0.49	<9.9	<24	<49	<49	<49	<60
SW02	02/28/2022	0 - 8	< 0.12	<0.49	<9.1	<25	<46	<46	<46	<60
SW03	02/28/2022	0 - 8	< 0.025	<0.10	<9.7	<5.0	<48	<48	<48	<60
SW04	02/28/2022	0 - 8	< 0.025	< 0.10	<9.8	<5.0	<49	<49	<49	<60
SW05	03/01/2022	0 - 8	< 0.025	<0.10	<9.6	<4.9	<48	<48	<48	<60
SW06	03/01/2022	0 - 8	< 0.025	< 0.10	<8.9	<4.9	<45	<45	<45	<60
SW07	03/01/2022	0 - 8	< 0.12	< 0.50	<9.9	<25	<49	<49	<49	<60
SW08	03/01/2022	0 - 8	< 0.025	< 0.10	<9.6	<4.9	<48	<48	<48	<60
SW09	03/01/2022	0 - 9	< 0.12	<0.50	<9.9	<25	<49	<49	<49	<60

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 - oil range organics

ND - Not Detected

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



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data	Category:
Site	Information

Geographic Area: United States

GO

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- Explore the NEW USGS National Water Dashboard interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News <a>[

USGS 321031103211501 24S.35E.34.14100

Available data for this site SUMMARY OF ALL AVAILABLE DATA ✔ GO

Well Site

DESCRIPTION:

Latitude 32°10'31", Longitude 103°21'15" NAD27 Lea County, New Mexico , Hydrologic Unit 13070007 Well depth: 112 feet Land surface altitude: 3,264 feet above NAVD88. Well completed in "Other aquifers" (N9999OTHER) national aquifer. Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1965-10-21	1965-10-21	1
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to New Mexico Water Science Center Water-Data **Inquiries**

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips **Explanation of terms**

<u>Subscribe for system changes</u> <u>News</u>

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=321031103211501

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2022-05-05 10:17:05 EDT 0.28 0.25 caww01



Received by OCD: 5/26/2022 1:02:47 PM



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	Contact:	DYLA	N VAN B	RUNT						
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WATER RIGHT SUMMARY



New Mexico Office of the State Engineer Point of Diversion Summary

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Well Tag	POD Number	Q64 Q16 Q4 S	Sec Tws F	Rng X	Y			
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Driller Na	me: W.E. BAIRD							
Drill Start	Date:	Drill Finish Date	: 12/	31/1920 P	lug Date:			
Log File D	ate:	PCW Rcv Date:		S	ource:			
Pump Typ	e:	Pipe Discharge S	ize:	E	stimated Yield:	5 GPM		
Casing Siz	e: 6.00	Depth Well:	190) feet D	epth Water:	165 feet		

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/5/22 8:23 AM

POINT OF DIVERSION SUMMARY

ATTACHIMENT 2: PHOTOGRAPHIC LOG

wsp

PHOTOGRAPHIC LOG							
LUCID ENERGY	SEINFELD 10 INCH PIPELINE	NAPP2201459944					
DELAWARE, LLC.	Lea County, New Mexico						

Photo No.	Date
1	February 28, 2022
North facing pho	oto of excavation.



ATTACHIVIENT 3: LABORATORY ANALYTICAL RESULTS



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

March 15, 2022

Joseph S. Hernandez Lucid Energy 201 South 4th St. Artesia, NM 88210 TEL: FAX:

RE: Seinfeld 10 inch Pipeline NAPP2201459944

OrderNo.: 2203197

Dear Joseph S. Hernandez:

Hall Environmental Analysis Laboratory received 15 sample(s) on 3/3/2022 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Analytical Report
Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW01@0-8' Collection Date: 2/28/2022 10:45:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-001	Matrix: SOIL	Received Date: 3/3/2022 8:10:00 AM					
Analyses	Result	RL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/8/2022 9:55:42 PM		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/8/2022 9:55:42 PM		
Surr: DNOP	54.2	51.1-141	%Rec	1	3/8/2022 9:55:42 PM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/8/2022 12:22:14 AM		
Surr: BFB	110	70-130	%Rec	5	3/8/2022 12:22:14 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.12	mg/Kg	5	3/8/2022 12:22:14 AM		
Toluene	ND	0.24	mg/Kg	5	3/8/2022 12:22:14 AM		
Ethylbenzene	ND	0.24	mg/Kg	5	3/8/2022 12:22:14 AM		
Xylenes, Total	ND	0.49	mg/Kg	5	3/8/2022 12:22:14 AM		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	3/8/2022 12:22:14 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	ND	60	mg/Kg	20	3/9/2022 8:17:45 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

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2203197-002

Project: Lab ID: **Analytical Report** Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW02@0-8' Collection Date: 2/28/2022 10:50:00 AM Received Date: 3/3/2022 8:10:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/8/2022 10:06:20 PM			
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/8/2022 10:06:20 PM			
Surr: DNOP	59.9	51.1-141	%Rec	1	3/8/2022 10:06:20 PM			
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB			
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/8/2022 12:45:31 AM			
Surr: BFB	108	70-130	%Rec	5	3/8/2022 12:45:31 AM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	0.12	mg/Kg	5	3/8/2022 12:45:31 AM			
Toluene	ND	0.25	mg/Kg	5	3/8/2022 12:45:31 AM			
Ethylbenzene	ND	0.25	mg/Kg	5	3/8/2022 12:45:31 AM			
Xylenes, Total	ND	0.49	mg/Kg	5	3/8/2022 12:45:31 AM			
Surr: 4-Bromofluorobenzene	99.8	70-130	%Rec	5	3/8/2022 12:45:31 AM			
EPA METHOD 300.0: ANIONS					Analyst: JMT			
Chloride	ND	60	mg/Kg	20	3/9/2022 8:30:09 PM			

Matrix: SOIL

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded ND

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S

% Recovery outside of range due to dilution or matrix interference

- 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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW03@0-8' Collection Date: 2/28/2022 10:55:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-003	Matrix: SOIL	Received Date: 3/3/2022 8:10:00 AM					
Analyses	Result	RL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/8/2022 10:17:01 PM		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2022 10:17:01 PM		
Surr: DNOP	58.5	51.1-141	%Rec	1	3/8/2022 10:17:01 PM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/8/2022 1:08:47 AM		
Surr: BFB	107	70-130	%Rec	1	3/8/2022 1:08:47 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	3/8/2022 1:08:47 AM		
Toluene	ND	0.050	mg/Kg	1	3/8/2022 1:08:47 AM		
Ethylbenzene	ND	0.050	mg/Kg	1	3/8/2022 1:08:47 AM		
Xylenes, Total	ND	0.10	mg/Kg	1	3/8/2022 1:08:47 AM		
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	3/8/2022 1:08:47 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	ND	59	mg/Kg	20	3/9/2022 8:42:34 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
- S % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW04@0-8' Collection Date: 2/28/2022 10:57:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-004	Matrix: SOIL	Received Date: 3/3/2022 8:10:00 AM					
Analyses	Result	RL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/8/2022 10:27:42 PM		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/8/2022 10:27:42 PM		
Surr: DNOP	58.5	51.1-141	%Rec	1	3/8/2022 10:27:42 PM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/8/2022 1:32:02 AM		
Surr: BFB	107	70-130	%Rec	1	3/8/2022 1:32:02 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	3/8/2022 1:32:02 AM		
Toluene	ND	0.050	mg/Kg	1	3/8/2022 1:32:02 AM		
Ethylbenzene	ND	0.050	mg/Kg	1	3/8/2022 1:32:02 AM		
Xylenes, Total	ND	0.099	mg/Kg	1	3/8/2022 1:32:02 AM		
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	3/8/2022 1:32:02 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	ND	60	mg/Kg	20	3/9/2022 8:54:58 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
- S % Recovery outside of range due to dilution or matrix interference
- 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

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2203197-005

Project: Lab ID: **Analytical Report** Lab Order 2203197 Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW05@0-8' Collection Date: 3/1/2022 9:10:00 AM Received Date: 3/3/2022 8:10:00 AM

240 220 2200 177 000						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2022 10:38:23 PM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2022 10:38:23 PM	
Surr: DNOP	58.0	51.1-141	%Rec	1	3/8/2022 10:38:23 PM	
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2022 1:55:22 AM	
Surr: BFB	107	70-130	%Rec	1	3/8/2022 1:55:22 AM	
EPA METHOD 8021B: VOLATILES					Analyst: NSB	
Benzene	ND	0.025	mg/Kg	1	3/8/2022 1:55:22 AM	
Toluene	ND	0.049	mg/Kg	1	3/8/2022 1:55:22 AM	
Ethylbenzene	ND	0.049	mg/Kg	1	3/8/2022 1:55:22 AM	
Xylenes, Total	ND	0.098	mg/Kg	1	3/8/2022 1:55:22 AM	
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	3/8/2022 1:55:22 AM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	ND	60	mg/Kg	20	3/10/2022 5:11:11 AM	

Matrix: SOIL

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

Qualifiers:

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

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Project:

Analytical Report Lab Order 2203197 Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW06@0-8' Collection Date: 3/1/2022 9:12:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-006	Matrix: SOIL	Recei	ved Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	3/8/2022 10:49:07 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/8/2022 10:49:07 PM
Surr: DNOP	53.7	51.1-141	%Rec	1	3/8/2022 10:49:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2022 2:41:51 AM
Surr: BFB	110	70-130	%Rec	1	3/8/2022 2:41:51 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	3/8/2022 2:41:51 AM
Toluene	ND	0.049	mg/Kg	1	3/8/2022 2:41:51 AM
Ethylbenzene	ND	0.049	mg/Kg	1	3/8/2022 2:41:51 AM
Xylenes, Total	ND	0.098	mg/Kg	1	3/8/2022 2:41:51 AM
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/8/2022 2:41:51 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	3/10/2022 6:38:02 AM

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

Qualifiers:

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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW07@0-8' Collection Date: 3/1/2022 9:15:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-007	Matrix: SOIL	Rece	eived Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/8/2022 10:59:51 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/8/2022 10:59:51 PM
Surr: DNOP	63.8	51.1-141	%Rec	1	3/8/2022 10:59:51 PM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/8/2022 3:05:04 AM
Surr: BFB	106	70-130	%Rec	5	3/8/2022 3:05:04 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.12	mg/Kg	5	3/8/2022 3:05:04 AM
Toluene	ND	0.25	mg/Kg	5	3/8/2022 3:05:04 AM
Ethylbenzene	ND	0.25	mg/Kg	5	3/8/2022 3:05:04 AM
Xylenes, Total	ND	0.50	mg/Kg	5	3/8/2022 3:05:04 AM
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	5	3/8/2022 3:05:04 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	3/10/2022 6:50:26 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 S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report Lab Order 2203197 Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW08@0-8' Collection Date: 3/1/2022 9:17:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-008	Matrix: SOIL	Rece	Received Date: 3/3/2022 8:10:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2022 11:10:43 PM		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2022 11:10:43 PM		
Surr: DNOP	58.0	51.1-141	%Rec	1	3/8/2022 11:10:43 PM		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/8/2022 3:28:18 AM		
Surr: BFB	104	70-130	%Rec	1	3/8/2022 3:28:18 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	3/8/2022 3:28:18 AM		
Toluene	ND	0.049	mg/Kg	1	3/8/2022 3:28:18 AM		
Ethylbenzene	ND	0.049	mg/Kg	1	3/8/2022 3:28:18 AM		
Xylenes, Total	ND	0.099	mg/Kg	1	3/8/2022 3:28:18 AM		
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	3/8/2022 3:28:18 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	ND	60	mg/Kg	20	3/10/2022 7:02:50 AM		

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

Qualifiers:

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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: SW09@0-9' Collection Date: 3/1/2022 9:20:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-009	Matrix: SOIL	Recei	ved Date:	3/3/20	22 8:10:00 AM
Analyses	Result RL Qual Units		l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/8/2022 11:21:37 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/8/2022 11:21:37 PM
Surr: DNOP	60.1	51.1-141	%Rec	1	3/8/2022 11:21:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/8/2022 3:51:31 AM
Surr: BFB	105	70-130	%Rec	5	3/8/2022 3:51:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.12	mg/Kg	5	3/8/2022 3:51:31 AM
Toluene	ND	0.25	mg/Kg	5	3/8/2022 3:51:31 AM
Ethylbenzene	ND	0.25	mg/Kg	5	3/8/2022 3:51:31 AM
Xylenes, Total	ND	0.50	mg/Kg	5	3/8/2022 3:51:31 AM
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	5	3/8/2022 3:51:31 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	3/10/2022 2:26:12 AM

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

Qualifiers:

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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS01@8' Collection Date: 2/28/2022 10:25:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-010	Matrix: SOIL	Rec	eived Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/8/2022 11:32:30 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/8/2022 11:32:30 PM
Surr: DNOP	66.0	51.1-141	%Rec	1	3/8/2022 11:32:30 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/8/2022 4:14:42 AM
Surr: BFB	107	70-130	%Rec	5	3/8/2022 4:14:42 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.12	mg/Kg	5	3/8/2022 4:14:42 AM
Toluene	ND	0.24	mg/Kg	5	3/8/2022 4:14:42 AM
Ethylbenzene	ND	0.24	mg/Kg	5	3/8/2022 4:14:42 AM
Xylenes, Total	ND	0.49	mg/Kg	5	3/8/2022 4:14:42 AM
Surr: 4-Bromofluorobenzene	99.8	70-130	%Rec	5	3/8/2022 4:14:42 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	3/10/2022 3:27:55 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
- Holding times for preparation or analysis exceeded
- Н ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS02@8' Collection Date: 2/28/2022 10:34:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-011	Matrix: SOIL	Reco	eived Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	280	9.5	mg/Kg	1	3/8/2022 11:43:19 PM
Motor Oil Range Organics (MRO)	120	48	mg/Kg	1	3/8/2022 11:43:19 PM
Surr: DNOP	64.6	51.1-141	%Rec	1	3/8/2022 11:43:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/8/2022 4:37:53 AM
Surr: BFB	107	70-130	%Rec	5	3/8/2022 4:37:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.12	mg/Kg	5	3/8/2022 4:37:53 AM
Toluene	ND	0.25	mg/Kg	5	3/8/2022 4:37:53 AM
Ethylbenzene	ND	0.25	mg/Kg	5	3/8/2022 4:37:53 AM
Xylenes, Total	ND	0.50	mg/Kg	5	3/8/2022 4:37:53 AM
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	5	3/8/2022 4:37:53 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	240	59	mg/Kg	20	3/10/2022 3:40:15 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
- Holding times for preparation or analysis exceeded
- Н ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS03@8' Collection Date: 2/28/2022 10:38:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-012	Matrix: SOIL	Rece	Received Date: 3/3/2022 8:10:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	28	9.0	mg/Kg	1	3/7/2022 3:01:07 PM			
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/7/2022 3:01:07 PM			
Surr: DNOP	103	51.1-141	%Rec	1	3/7/2022 3:01:07 PM			
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/7/2022 11:48:00 AM			
Surr: BFB	107	70-130	%Rec	5	3/7/2022 11:48:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.12	mg/Kg	5	3/7/2022 11:48:00 AM			
Toluene	ND	0.25	mg/Kg	5	3/7/2022 11:48:00 AM			
Ethylbenzene	ND	0.25	mg/Kg	5	3/7/2022 11:48:00 AM			
Xylenes, Total	ND	0.50	mg/Kg	5	3/7/2022 11:48:00 AM			
Surr: 4-Bromofluorobenzene	91.9	70-130	%Rec	5	3/7/2022 11:48:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	ND	60	mg/Kg	20	3/10/2022 3:52:36 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
- Holding times for preparation or analysis exceeded
- Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report
Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS04@8' Collection Date: 2/28/2022 12:33:00 PM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-013	Matrix: SOIL	Received Date: 3/3/2022 8:10:00 AM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	45	9.3	mg/Kg	1	3/7/2022 3:11:41 PM		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/7/2022 3:11:41 PM		
Surr: DNOP	93.3	51.1-141	%Rec	1	3/7/2022 3:11:41 PM		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA		
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/7/2022 12:08:00 PM		
Surr: BFB	109	70-130	%Rec	5	3/7/2022 12:08:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: RAA		
Benzene	ND	0.12	mg/Kg	5	3/7/2022 12:08:00 PM		
Toluene	ND	0.24	mg/Kg	5	3/7/2022 12:08:00 PM		
Ethylbenzene	ND	0.24	mg/Kg	5	3/7/2022 12:08:00 PM		
Xylenes, Total	ND	0.48	mg/Kg	5	3/7/2022 12:08:00 PM		
Surr: 4-Bromofluorobenzene	91.2	70-130	%Rec	5	3/7/2022 12:08:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	3/10/2022 4:04:57 AM		

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

Qualifiers:

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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS05@8' Collection Date: 3/1/2022 9:55:00 AM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-014	Matrix: SOIL	Receiv	ved Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	72	9.4	mg/Kg	1	3/7/2022 3:22:17 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/7/2022 3:22:17 PM
Surr: DNOP	120	51.1-141	%Rec	1	3/7/2022 3:22:17 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/7/2022 12:28:00 PM
Surr: BFB	109	70-130	%Rec	5	3/7/2022 12:28:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.12	mg/Kg	5	3/7/2022 12:28:00 PM
Toluene	ND	0.24	mg/Kg	5	3/7/2022 12:28:00 PM
Ethylbenzene	ND	0.24	mg/Kg	5	3/7/2022 12:28:00 PM
Xylenes, Total	ND	0.48	mg/Kg	5	3/7/2022 12:28:00 PM
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	5	3/7/2022 12:28:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	180	60	mg/Kg	20	3/10/2022 4:17:18 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
- Holding times for preparation or analysis exceeded
- Н ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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Project:

Analytical Report Lab Order 2203197

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459

Client Sample ID: FS06@8' Collection Date: 2/28/2022 12:50:00 PM Received Date: 3/3/2022 8:10:00 AM

Lab ID: 2203197-015	Matrix: SOIL	Rece	eived Date:	3/3/20	22 8:10:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/7/2022 3:32:53 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/7/2022 3:32:53 PM
Surr: DNOP	102	51.1-141	%Rec	1	3/7/2022 3:32:53 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/7/2022 12:48:00 PM
Surr: BFB	105	70-130	%Rec	5	3/7/2022 12:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.12	mg/Kg	5	3/7/2022 12:48:00 PM
Toluene	ND	0.25	mg/Kg	5	3/7/2022 12:48:00 PM
Ethylbenzene	ND	0.25	mg/Kg	5	3/7/2022 12:48:00 PM
Xylenes, Total	ND	0.50	mg/Kg	5	3/7/2022 12:48:00 PM
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	5	3/7/2022 12:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	3/10/2022 4:29:38 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 S
 - % Recovery outside of range due to dilution or matrix interference
- 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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

15-Mar-22

Client: Project:	Lucid Energy Seinfeld 10 inch P	ipeline NAP	P22014	59944							
Sample ID: MB-6	6065 Samp	Type: mblk		Tes	tCode: El	PA Method	300.0: Anions	5			
Client ID: PBS	Bate	ch ID: 66065		F	lunNo: 8	6379					
Prep Date: 3/9/2	022 Analysis	Date: 3/9/20	22	S	SeqNo: 3	046504	Units: mg/K	9			
Analyte Chloride	Result ND	PQL SP 1.5	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Sample ID: LCS-6	6065 Samp	Type: Ics		Tes	tCode: El	PA Method	300.0: Anions	5			
Client ID: LCSS	Bate	ch ID: 66065	F	lunNo: 8	6379						
Prep Date: 3/9/2	022 Analysis	Date: 3/9/20	22	S	SeqNo: 3	046505	Units: mg/K	9			
Analyte Chloride	Result 14	PQL SP 1.5	K value 15.00	SPK Ref Val 0	%REC 92.0	LowLimit 90	HighLimit 110	%RPD	RPDLimit	Qual	
Sample ID: MB-6	6 071 Samp	Type: mblk		Tes	tCode: El	PA Method	300.0: Anions	;			
Client ID: PBS	Bate	Batch ID: 66071			RunNo: 86379						
Prep Date: 3/9/2	022 Analysis	Date: 3/9/20	22	S	SeqNo: 3	046536	Units: mg/K	9			
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									
Sample ID: LCS-6	6071 Samp	Type: Ics		Tes	tCode: El	PA Method	Method 300.0: Anions				
Client ID: LCSS	Bate	ch ID: 66071		F	lunNo: 8	6379					
Prep Date: 3/9/2	022 Analysis	Date: 3/9/20	22	S	eqNo: 3	046537	Units: mg/K	9			
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	92.6	90	110				
Sample ID: MB-6	S072 Samp	Type: mblk		Tes	tCode: El	PA Method	300.0: Anions	5			
Client ID: PBS	Bate	ch ID: 66072		F	lunNo: 8	6381					
Prep Date: 3/9/2	022 Analysis	Date: 3/10/2	022	S	SeqNo: 3	046822	Units: mg/K	9			
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									
Sample ID: LCS-6	6072 Samp	Type: Ics		Tes	tCode: El	PA Method	300.0: Anions	5			
Client ID: LCSS	Bate	ch ID: 66072		F	lunNo: 8	6381					
Prep Date: 3/9/2	022 Analysis	Date: 3/10/2	022	S	SeqNo: 3	046823	Units: mg/K	9			
Analyte	Result			SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	92.0	90	110				

Qualifiers:

D

Н

ND

* Value exceeds Maximum Contaminant Level.

Not Detected at the Reporting Limit

Sample Diluted Due to Matrix

PQL Practical Quanitative Limit

- 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

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

Holding times for preparation or analysis exceeded

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QC SUMMARY REPORT Hall Envi

		PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDL
ge Organics (DRO)	100	8.9	44.56	28.01	164	36.1	154	33.9	3
P	5.5		4.456		123	51.1	141	0	
D: LCS-65997	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Orgar
LCSS	Batch	n ID: 659	997	F	RunNo: 8	6343			
e: 3/7/2022	Analysis D	ate: 3/	8/2022	S	SeqNo: 30	045215	Units: mg/K	٤g	
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDL
ge Organics (DRO)	44	10	50.00	0	88.2	68.9	135		
OP	4.6		5.000		92.2	51.1	141		
:									
: ae exceeds Maximum Contam	inant Level.			B Analyte det	tected in the as	ssociated Method	Blank		
e exceeds Maximum Contam ple Diluted Due to Matrix				E Estimated	value				
e exceeds Maximum Contam ple Diluted Due to Matrix ling times for preparation or a	analysis exceeded			E Estimated J Analyte det	value tected below q	uantitation limits			Page
e exceeds Maximum Contam ple Diluted Due to Matrix ling times for preparation or a Detected at the Reporting Lir tical Quanitative Limit	analysis exceeded mit			E Estimated J Analyte det	value tected below q Not In Range	uantitation limits			Page
te exceeds Maximum Contam ple Diluted Due to Matrix ling times for preparation or a Detected at the Reporting Lir	analysis exceeded mit	interference		E Estimated J Analyte der P Sample pH	value tected below q Not In Range	uantitation limits			Page
	DP D: LCS-65997 : LCSS e: 3/7/2022 ge Organics (DRO)	DP 5.5 D: LCS-65997 SampT : LCSS Batch e: 3/7/2022 Analysis D Result Result ge Organics (DRO) 44	DP 5.5 D: LCS-65997 SampType: LC : LCSS Batch ID: 659 e: 3/7/2022 Analysis Date: 3/1 Result PQL ge Organics (DRO) 44	DP 5.5 4.456 D: LCS-65997 SampType: LCS : LCSS Batch ID: 65997 e: 3/7/2022 Analysis Date: 3/8/2022 Result PQL SPK value ge Organics (DRO) 44 10 50.00	DP 5.5 4.456 D: LCS-65997 SampType: LCS Tes : LCSS Batch ID: 65997 F e: 3/7/2022 Analysis Date: 3/8/2022 S Result PQL SPK value SPK Ref Val ge Organics (DRO) 44 10 50.00 0	DP 5.5 4.456 123 D: LCS-65997 SampType: LCS TestCode: EF : LCSS Batch ID: 65997 RunNo: 80 e: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 30 Result PQL SPK value SPK Ref Val %REC ge Organics (DRO) 44 10 50.00 0 88.2	DP 5.5 4.456 123 51.1 D: LCS-65997 SampType: LCS TestCode: EPA Method : LCSS Batch ID: 65997 RunNo: 86343 e: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3045215 Result PQL SPK value SPK Ref Val %REC LowLimit ge Organics (DRO) 44 10 50.00 0 88.2 68.9	DP 5.5 4.456 123 51.1 141 D: LCS-65997 SampType: LCS TestCode: EPA Method 8015M/D: Diversion of the second seco	DP 5.5 4.456 123 51.1 141 0 D: LCS-65997 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range : LCSS Batch ID: 65997 RunNo: 86343 e: 3/7/2022 Analysis Date: 3/8/2022 SeqNo: 3045215 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ge Organics (DRO) 44 10 50.00 0 88.2 68.9 135

rironmental Analysis Laboratory, Inc.	15-Mar-22
WO#:	2203197

Client: Project:	Lucid Ene Seinfeld 1		eline N	IAPP22014	59944							
Sample ID: I	LCS-65968	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: I	LCSS	Batch ID: 65968			RunNo: 86279							
Prep Date:	3/4/2022	Analysis Date: 3/7/2022		SeqNo: 3042147		Units: mg/K	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Or	rganics (DRO)	45	10	50.00	0	89.4	68.9	135				
Surr: DNOP		3.8		5.000		76.2	51.1	141				
Sample ID:	MB-65968	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	PBS	Batch	ID: 659	968	RunNo: 86279							
Prep Date:	3/4/2022	Analysis D	ate: 3/	7/2022	S	SeqNo: 3(042149	Units: mg/K	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Or	rganics (DRO)	ND	10									
•	Organics (MRO)	ND	50									
Surr: DNOP		11		10.00		106	51.1	141				
Sample ID: 2	2203197-012AMS	SampT	ype: MS	5	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	FS03@8'	Batch ID: 65968			RunNo: 86279							
Prep Date:	3/4/2022	Analysis Date: 3/7/2022			SeqNo: 3043446 U			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Or	rganics (DRO)	72	9.1	45.29	28.01	96.4	36.1	154				
Surr: DNOP		4.5		4.529		98.4	51.1	141				
Sample ID: 2	2203197-012AMSD	SampT	ype: MS	D	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	FS03@8'	Batch ID: 65968			RunNo: 86279							
Prep Date:	3/4/2022	Analysis Date: 3/7/2022			SeqNo: 3043447 Units: mg/K				g			
											• •	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	rganics (DRO)	Result 100	PQL 8.9	SPK value 44.56	SPK Ref Val 28.01	%REC 164	LowLimit 36.1	HighLimit 154	%RPD 33.9	RPDLimit 33.9	Qual S	
-	rganics (DRO)							-				
Diesel Range Or		100 5.5		44.56 4.456	28.01	164 123	36.1 51.1	154	33.9 0	33.9 0		
Diesel Range Or Surr: DNOP	LCS-65997	100 5.5 SampT	8.9	44.56 4.456 S	28.01 Tes	164 123	36.1 51.1 PA Method	154 141	33.9 0	33.9 0		
Diesel Range Or Surr: DNOP Sample ID: I	LCS-65997 LCSS	100 5.5 SampT	8.9 ype: LC	44.56 4.456 S 997	28.01 Tes	164 123 tCode: EF	36.1 51.1 PA Method 6343	154 141	33.9 0 sel Range	33.9 0		
Diesel Range Or Surr: DNOP Sample ID: I Client ID: I	LCS-65997 LCSS	100 5.5 SampT Batch	8.9 ype: LC	44.56 4.456 S 997 8/2022	28.01 Tes	164 123 tCode: EF RunNo: 86	36.1 51.1 PA Method 6343	154 141 8015M/D: Die	33.9 0 sel Range	33.9 0		
Diesel Range Or Surr: DNOP Sample ID: I Client ID: I Prep Date:	LCS-65997 LCSS 3/7/2022	100 5.5 SampT Batch Analysis D	8.9 ype: LC 1D: 659 ate: 3/	44.56 4.456 S 997 8/2022	28.01 Tes F	164 123 tCode: EF RunNo: 86 SeqNo: 30	36.1 51.1 PA Method 6343 045215	154 141 8015M/D: Die Units: mg/K	33.9 0 sel Range g	33.9 0 e Organics	S	

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Lucid Energy

Client:

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459944

					0
				WO#:	2203197 15-Mar-22
					15-Mar-22
Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
unNo: 8	6343				
eqNo: 30	045221	Units: mg/K	g		
%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID:	MB-65997	SampTy	/pe: MI	RI K	Tes	tCode: F	PA Method	8015M/D· Die	sel Range	Organics	
Client ID:			ID: 65		TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 86343						
Prep Date:	-	Analysis Da				SeqNo: 30		Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	•		HighLimit	%RPD	RPDLimit	Qual
,	Organics (DRO)	ND	10								
Motor Oil Range	e Organics (MRO)	ND	50								
Surr: DNOP		10		10.00		100	51.1	141			
Sample ID:	MB-66066	SampTy	/pe: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	PBS	Batch	ID: 66	066	F	RunNo: 86	6377				
Prep Date:	3/9/2022	Analysis Da	ate: 3/	10/2022	S	SeqNo: 30	046493	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		9.7		10.00		97.1	51.1	141			
Sample ID:	LCS-66066	SampTy	/pe: LC	:S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	organics	
Client ID:	LCSS	Batch	ID: 66	066	F	RunNo: 86	6377				
Prep Date:	3/9/2022	Analysis Da	ate: 3/	10/2022	S	SeqNo: 3(046494	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.5		5.000		90.9	51.1	141			
Sample ID:	2203261-001AMS	SampTy	/pe: M \$	3	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	• Organics	
Client ID:	BatchQC	Batch	ID: 65	997	F	RunNo: 86	6377				
Prep Date:	3/7/2022	Analysis Da	ate: 3/	10/2022	5	SeqNo: 30	046589	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	rganics (DRO)	35	9.5	47.57	16.85	39.2	36.1	154			
Diesel Range C Surr: DNOP	Organics (DRO)	35 3.9	9.5	47.57 4.757	16.85	39.2 81.5	36.1 51.1	154 141			
Surr: DNOP	Drganics (DRO) 2203261-001AMSD	3.9		4.757		81.5	51.1		sel Range	• Organics	
Surr: DNOP	2203261-001AMSD	3.9 SampTy		4.757	Tes	81.5	51.1 PA Method	141	esel Range	• Organics	
Surr: DNOP Sample ID:	2203261-001AMSD BatchQC	3.9 SampTy	/pe: M \$ ID: 65	4.757 SD 997	Tes	81.5 stCode: EF	51.1 PA Method	141	C	• Organics	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	2203261-001AMSD BatchQC 3/7/2022	3.9 SampTy Batch	/pe: M\$ ID: 65 ate: 3/ PQL	4.757 SD 997 (10/2022	Tes	81.5 stCode: EF RunNo: 86 SeqNo: 30	51.1 PA Method 6377 046590	141 8015M/D: Die	g %RPD	e Organics	Qual
Sample ID: Client ID: Prep Date: Analyte Diesel Range C	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO)	3.9 SampTy Batch Analysis Da Result 35	/pe: M \$ ID: 65 ate: 3/	4.757 5D 997 10/2022 <u>SPK value</u> 47.26	Tes F S	81.5 stCode: EF RunNo: 86 SeqNo: 30 %REC 37.6	51.1 PA Method 5377 046590 LowLimit 36.1	141 8015M/D: Die Units: mg/K HighLimit 154	g <u>%RPD</u> 2.49	RPDLimit 33.9	Qual
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO)	3.9 SampTy Batch Analysis Da Result	/pe: M\$ ID: 65 ate: 3/ PQL	4.757 5D 997 110/2022 SPK value	Tes F S SPK Ref Val	81.5 stCode: EF RunNo: 86 SeqNo: 30 %REC	51.1 PA Method 5377 046590 LowLimit	141 8015M/D: Die Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range C Surr: DNOP	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO)	3.9 SampTy Batch Analysis Da Result 35	/pe: MS ID: 65 : ate: 3/ PQL 9.5	4.757 5D 997 10/2022 SPK value 47.26 4.726	Tes F S SPK Ref Val 16.85	81.5 stCode: EF RunNo: 86 SeqNo: 30 %REC 37.6 80.4	51.1 PA Method 5377 046590 LowLimit 36.1 51.1	141 8015M/D: Die Units: mg/K HighLimit 154	g %RPD 2.49 0	RPDLimit 33.9 0	Qual
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range C Surr: DNOP	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO) 2203356-008AMS	3.9 SampTy Batch Analysis Da Result 35 3.8 SampTy	/pe: MS ID: 65 : ate: 3/ PQL 9.5	4.757 SD 997 10/2022 <u>SPK value</u> 47.26 4.726 S	Tes F SPK Ref Val 16.85 Tes	81.5 stCode: EF RunNo: 86 SeqNo: 30 %REC 37.6 80.4	51.1 PA Method 5377 046590 LowLimit 36.1 51.1 PA Method	141 8015M/D: Die Units: mg/K HighLimit 154 141	g %RPD 2.49 0	RPDLimit 33.9 0	Qual
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range C Surr: DNOP Sample ID:	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO) 2203356-008AMS BatchQC	3.9 SampTy Batch Analysis Da Result 35 3.8 SampTy	/pe: MS ID: 65 ate: 3/ PQL 9.5 /pe: MS ID: 66	4.757 5D 997 10/2022 SPK value 47.26 4.726 3 066	Tes F SPK Ref Val 16.85 Tes F	81.5 etCode: EF RunNo: 86 SeqNo: 30 %REC 37.6 80.4 etCode: EF	51.1 PA Method 5377 046590 LowLimit 36.1 51.1 PA Method 5377	141 8015M/D: Die Units: mg/K HighLimit 154 141	g %RPD 2.49 0 esel Range	RPDLimit 33.9 0	Qual
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range C Surr: DNOP Sample ID: Client ID:	2203261-001AMSD BatchQC 3/7/2022 Drganics (DRO) 2203356-008AMS BatchQC	3.9 SampTy Batch Analysis Da Result 35 3.8 SampTy Batch	/pe: MS ID: 65 ate: 3/ PQL 9.5 /pe: MS ID: 66	4.757 SD 997 10/2022 SPK value 47.26 4.726 3. 066 10/2022	Tes F SPK Ref Val 16.85 Tes F	81.5 etCode: EF RunNo: 86 SeqNo: 30 %REC 37.6 80.4 etCode: EF RunNo: 86 SeqNo: 30	51.1 PA Method 5377 046590 LowLimit 36.1 51.1 PA Method 5377	141 8015M/D: Die Units: mg/K HighLimit 154 141 8015M/D: Die	g %RPD 2.49 0 esel Range	RPDLimit 33.9 0	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level. D

- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded
- Н 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 18 of 23

Surr: DNOP

4.2

4.682

Client: Project:	Lucid Ene Seinfeld 1	2.	e NAPP22014	159944					
Sample ID:	2203356-008AMSD	SampType:	MSD	TestCode	EPA Method	d 8015M/D: Die	sel Range	e Organics	
Client ID:	BatchQC	Batch ID:	66066	RunNo	86377				
Prep Date:	3/9/2022	Analysis Date:	3/10/2022	SeqNo	3046592	Units: %Rec			
Analyte		Result PC	L SPK value	SPK Ref Val %R	C LowLimit	HighLimit	%RPD	RPDLimit	Qual

89.7

141

0

51.1

- * 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
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix interference S

Released to Imaging: 6/2/2022 2:58:25 PM

- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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2203197

15-Mar-22

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WO#:

QC SUMMARY REPORT Hall Environm

AKY KEPUKI	WO#:	2203197
mental Analysis Laboratory, Inc.		15-Mar-22

Client: Lucid En Project: Seinfeld		ne NAPP22014	59944						
Sample ID: mb-65945	SampType	MBLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	9	
Client ID: PBS	Batch ID:	65945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis Date:	3/7/2022	S	SeqNo: 30	042386	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1100	5.0 1000		115	70	130			
Sample ID: Ics-65945	SampType	LCS	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	e	
Client ID: LCSS	Batch ID:	65945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis Date:	3/7/2022	S	SeqNo: 30	042388	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0 25.00	0	105	78.6	131			
Surr: BFB	1300	1000		126	70	130			
Sample ID: 2203193-055ams	SampType	MS	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	9	
Client ID: BatchQC	Batch ID:	65945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis Date:	3/7/2022	S	SeqNo: 30	042390	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		5.0 24.83	0	97.1	70	130			
Surr: BFB	1300	993.0		129	70	130			
Sample ID: 2203193-055amsd	I SampType:	MSD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: BatchQC	Batch ID:	65945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis Date:	3/7/2022	5	SeqNo: 30	042391	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		4.8 24.25	0	87.5	70	130	12.8	20	
Surr: BFB	1200	969.9		124	70	130	0	0	
Sample ID: Ics-65952	SampType	LCS	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	9	
Client ID: LCSS	Batch ID:	65952	F	RunNo: 86	6295				
Prep Date: 3/4/2022	Analysis Date:	3/7/2022	S	SeqNo: 30	042759	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		5.0 25.00	0	110	78.6	131			
Surr: BFB	1100	1000		114	70	130			
Sample ID: mb-65952	SampType	MBLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	е	
Client ID: PBS	Batch ID:	65952	F	RunNo: 86	6295				
Prep Date: 3/4/2022	Analysis Date:	3/7/2022	5	SeqNo: 30	042760	Units: mg/K	g		
Analyte	Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

- В
- 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
- 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 20 of 23

Released to Imaging: 6/2/2022 2:58:25 PM

QC SUMMARY REPORT Hall

	WO#:	2203197
l Environmental Analysis Laboratory, Inc.		15-Mar-22

	cid Energy									
Project: Sei	nfeld 10 inch P	ipeline N	APP22014	59944						
Sample ID: mb-65952	Samp	туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Bate	ch ID: 65	952	F	RunNo: 8	6295				
Prep Date: 3/4/2022	Analysis	Date: 3/	7/2022	5	SeqNo: 30	042760	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	RO) ND	5.0								
Surr: BFB	1100		1000		106	70	130			
Sample ID: 2203198-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range										
Client ID: BatchQC	Bate	ch ID: 65	952	F	RunNo: 8	6295				
Prep Date: 3/4/2022	Analysis	Date: 3/	7/2022	S	SeqNo: 30	042767	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	RO) 26	24	24.18	0	107	70	130			
Surr: BFB	5200		4836		108	70	130			
Sample ID: 2203198-00	1amsd Samp	туре: МS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: BatchQC	Bate	ch ID: 65	952	F	RunNo: 8	6295				
Prep Date: 3/4/2022	Analysis	Date: 3/	7/2022	S	SeqNo: 30	042768	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	RO) 24	19	24.11	0	98.2	70	130	9.24	20	
Surr: BFB	5100		4822		107	70	130	0	0	

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

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Released to Imaging: 6/2/2022 2:58:25 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

XI	WO#:	2203197	
is Laboratory, Inc.		15-Mar-22	

Client: Lucid Ene Project: Seinfeld 1		peline N	APP22014	59944						
Sample ID: mb-65945	Samp	Туре: МВ	LK	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 659	945	RunNo: 86283						
Prep Date: 3/3/2022	Analysis [Date: 3/	7/2022	S	SeqNo: 3(042428	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	1.1		1.000		106	70	130			
Sample ID: LCS-65945	Samp	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: 659	945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis [Date: 3/	7/2022	S	SeqNo: 3(042429	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.2	80	120			
Toluene	0.96	0.050	1.000	0	96.0	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			
Sample ID: 2203193-056ams	Samp	Type: MS	;	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: BatchQC	Batc	h ID: 659	945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis [Date: 3/	7/2022	S	SeqNo: 3(042432	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	0.9852	0	83.7	68.8	120			
Toluene	0.88	0.049	0.9852	0	89.2	73.6	124			
Ethylbenzene	0.91	0.049	0.9852	0	92.2	72.7	129			
Xylenes, Total	2.7	0.099	2.956	0	92.2	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		0.9852		106	70	130			
Sample ID: 2203193-056amsd	Samp	Type: MS	D	Tes	tCode: EF	PA Method	8021B: Volat	tiles		
Client ID: BatchQC	Batc	h ID: 659	945	F	RunNo: 86	6283				
Prep Date: 3/3/2022	Analysis [Date: 3/	7/2022	Ś	SeqNo: 30	042433	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9950	0	84.0	68.8	120	1.35	20	
Toluene	0.89	0.050	0.9950	0	89.7	73.6	124	1.58	20	
Ethylbenzene	0.92	0.050	0.9950	0	92.0	72.7	129	0.805	20	
Ethylbenzene Xylenes, Total	0.92 2.8	0.050 0.10	0.9950 2.985	0 0	92.0 92.2	72.7 75.7	129 126	0.805 1.05	20 20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Released to Imaging: 6/2/2022 2:58:25 PM

B Analyte detected in the associated Method Blank

Lucid Energy

Client:

Project:

Sample ID: Ics-65952

3/4/2022

Client ID: LCSS

Prep Date:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Seinfeld 10 inch Pipeline NAPP2201459944

Batch ID: 65952

Analysis Date: 3/7/2022

SampType: LCS

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.4	80	120			
Toluene	0.91	0.050	1.000	0	90.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		92.0	70	130			
Sample ID: mb-65952	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 659	952	F	RunNo: 8	6295				
Prep Date: 3/4/2022	Analysis I	Date: 3/	7/2022	S	SeqNo: 30	042806	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-Bromofluorobenzene	0.91		1.000		91.1	70	130			
Sample ID: 2203226-001ams	Samp	Гуре: МS	5	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: BatchQC	Batc	h ID: 659	952	F	RunNo: 80	6295				
Prep Date: 3/4/2022	Analysis [Date: 3/	7/2022	5	SeqNo: 30	042813	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9588	0	97.0	68.8	120			
Toluene	1.0	0.048	0.9588	0.09262	97.6	73.6	124			
Ethylbenzene	1.0	0.048	0.9588	0.03097	102	72.7	129			
Xylenes, Total	3.4	0.096	2.876	0.4292	102	75.7	126			
Surr: 4-Bromofluorobenzene	0.92		0.9588		96.1	70	130			
Sample ID: 2203226-001amsd	Samp	Гуре: МS	D	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: BatchQC	Batc	h ID: 659	952	F	RunNo: 8	6295				
Prep Date: 3/4/2022	Analysis [Date: 3/	7/2022	S	SeqNo: 30	042814	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Benzene		PQL 0.024	SPK value 0.9615	SPK Ref Val 0	%REC 86.7	LowLimit 68.8	HighLimit 120	%RPD 10.9	RPDLimit 20	Qual
	Result						3			Qual
Benzene	Result 0.83	0.024	0.9615	0	86.7	68.8	120	10.9	20	Qual
Benzene Toluene	Result 0.83 0.89	0.024 0.048	0.9615 0.9615	0 0.09262	86.7 82.7	68.8 73.6	120 124	10.9 14.6	20 20	Qual

TestCode: EPA Method 8021B: Volatiles

Units: mg/Kg

RunNo: 86295

SeqNo: 3042805

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

Analyte detected below quantitation limits J Р Sample pH Not In Range

Reporting Limit RL

Page 23 of 23

WO#: 2203197

15-Mar-22

Received by O	CD:	5/26/2022	2 1:02:47	PM
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		Hall Environme TEL: 505-345-, Website: clien	4901 1 Albuquerque, 3975 FAX: 50	lawkins NE NM 87109 5-345-4107	Sample Log-In Check List				
Client Name:	Lucid Energy	Work Order Num	iber: 220319	97		Rcp	tNo: 1		
Received By:	Sean Livingston	3/3/2022 8:10:00 F	M	5	L	not			
Completed By:	Sean Livingston	3/3/2022 9:17:28 A	M	5	/	noto			
Reviewed By: J	n3/3/22				~~~	1) Jon-			
Chain of Custo	ody								
1. Is Chain of Cus	stody complete?		Yes 🗸	N	o □	Not Present			
2. How was the sa	ample delivered?		<u>Courier</u>						
<u>Log In</u>									
3. Was an attemp	t made to cool the samples	?	Yes 🔽] No		na [
4. Were all sample	es received at a temperature	e of >0° C to 6.0°C	Yes 🔽] No		na [
5. Sample(s) in pr	oper container(s)?		Yes 🗸] No					
6. Sufficient sampl	e volume for indicated test(5)?	Yes 🔽	No					
7. Are samples (ex	cept VOA and ONG) prope	rly preserved?	Yes 🔽	No					
8. Was preservativ	e added to bottles?		Yes 🗌	No	\checkmark	NA 🗌]		
9. Received at leas	t 1 vial with headspace <1/	4" for AQ VOA?	Yes 🗌	No		NA 🗹	•]		
10. Were any samp	le containers received brok	en?	Yes 🗌	No	✓	# of preserved		/	
11. Does paperwork	match bottle labels?		Yes 🔽	No		bottles checked for pH:			
	cies on chain of custody)					(<:	2 or 12 1	inless noted)	
	rectly identified on Chain of	Custody?	Yes 🗸	No		Adjusted?			
	nalyses were requested?		Yes 🗸	No			0.000		
	times able to be met? omer for authorization.)		Yes 🗸	No		Checked by	Cm	3/3/20	
Special Handlin	g (if applicable)								
15. Was client notifi	ed of all discrepancies with	this order?	Yes	No		NA 🔽			
Person No	otified:	Date:	The second se		energian an				
By Whom		Via:	⊧ ∏ eMail	Phone	Fax	In Person			
Regarding		The foreign descent of a finite field of the gas interest and attack to be gas			lannerane.				
Client Inst	ructions:								
16. Additional rema	rks:								
17. <u>Cooler Informa</u>	ition								
Cooler No	Temp °C Condition S	eal Intact Seal No	Seal Date	Signed	By				

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				······
2	1.2	Good				

Page 1 of 1

		www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		nalysis I	*0	S '*(SW	ЪС IS0 Dd	280 (1) (2)	8/8 504 3 3 4 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	-VC 103 103 103	stic sthc 83 Me 83 Me 83 Me 83 Me	H:801 B (Me H2 Pe F, Bi F, Bi F, Bi C (VC Se So (VC	808 826 826 826 826 826 828											Remarks: Direct bill to Lucid Energy	× ×	accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
											Conception of the local division of the loca	and the	/X3	-											Remarks: Direct bill	Comp Send	is possibilit
	2 nonl	Project Name:								ON 🗆		しっしい ー ロキー	1.て本のコレマル HEAL No.	2703197) 50	200	800	han	Sac	್ರಾ	4®	204	1-20		Date Time 3コレン ぷリス		s. This serves as notice of this
Time:		e: And binoling ()			65.022	ger:	. Hernandez		Sampler: Payton Benner	D'Yes	7	-	Preservative	Type	N/A	N/A	W/A	N/A	N/A	N/A	N/A	N/A	N/A		Via:	via: Co-SVI	credited laboratorie
Turn-Around Time:	Standard	Project Name:		Project #:	31403665.022	Project Manager:	Joseph S.		Sampler: Pay	On Ice:	# of Coolers:	Cooler Temp(including CF):	Container	Type and #	2 Oz Glass jar		Received by:	Received by:	ontracted to other ac								
Chain-of-Custody Record	Lucid Energy Group	Michael Gant	201 S 4th Artesia, NM 88210			email or Fax#: mgant@lucid-energy.com		Level 4 (Full Validation)	Az Compliance	er				Sample Name	SW01 @ 0-8'	SW02 @ 0-8'	SW03 @ 0-8'	SW04 @ 0-8'	SW05 @ 0-8'	SW06 @ 0-8'	SW07 @ 0-8'	SW08 @ 0-8'	SW09 @ 0-8"		shed by: p p. UMMUV	elinquished by:	If necessary, samples submitted to Hall Environmental may be subcontracted to other
-of-C	Luci	Mic			10-6144	ngant@lt	202		D Az C	□ Other				Matrix	S	S	S	S	S	S	S	S	S		Relinquished by:	Relinquished by:	Samples st
hain			Mailing Address:		Phone #: 575-810-6144	r Fax#:n	QA/QC Package:	dard	tation:	AC	EDD (Type)			Time	2-28-22 10:45	10:50	10:55	12:57	9:10	9:12	9:15	9:17	9:20		Time: 8:43	Time: 2d 1910	necessary,
0	Client:		Mailing		Phone :	email o	QA/QC	□ Standard	Accreditation:					Date	2-28-22	2-28-22	2-28-22	2-28-22	3-1-22	3-1-22	3-1-22	3-1-22	3-1-22		Date:	$\frac{\text{Date:}}{3/\beta/\partial\vartheta}$	

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Received by OCD: 5/26/2022 1:02:47 PM

	AALL ENVIKONMENTAL ANAI YSTS I ARODATODV	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		naly		PS '⁺C	Ъd	' ^z OI	or i i A)	103 103 103	58 y 9M (AC	EDB (Mé 2AHs by 3CRA 8 3260 (VC 3250 (Sé 7031 Co	1 3 3									Remarks: Direct bill to Lucid Energy Pron # 195211500-106200 AFT: 500200	Company # 860 Send confirmation and lab report to joe.hernandez@wsp.com
			4901 H	Tel. 50		(0		_			_		108:H91 9081 Pe	3					1				arks: t bill to 1 # 1953	Company # 860 Send confirmation
				-		_							/X∃TE										Remarks: Direct bill	Comp
	S New S								L	ON D		つっかりこうですり	-221202 کے HEAL No.	000	10	210	013	DIH	015				Date Time 32/22 843	Date Time 3 / 3 / てて る: 1 い
Time:	Rush_	e: Sch ningling (1	n annadid nai		31403665.022	iger:	Hernandez		Sampler: Payton Benner	⊡∕Yes	2	(including CF): ((Preservative Tvpe	N/A	N/A	N/A	N/A	N/A	N/A				via: LUUN	Via: Via:
Turn-Around Time:	Standard	Project Name:		Project #:	314036	Project Manager:	Joseph S.		Sampler: Pay	On Ice:	# of Coolers:	Cooler Temp(including CF):	Container Tvpe and #	2 Oz Glass jar				Received by:	Received by:					
Chain-of-Custody Record	Lucid Energy Group	Michael Gant	201 S 4th Artesia, NM 88210			email or Fax#:mgant@lucid-energy.com		Level 4 (Full Validation)	Az Compliance				Sample Name		FS02 @ 8'	FS03 @ 8'	FS04 @ 8'	FS05 @ 8'	FS06 @ 8'				ed by: Jo BEMUUL	ed by:
-of-CI	Lucid	Mich			10-6144	ngant@lu	210		D Az Co	□ Other			Matrix	<u> </u>	S	S	S	S	S				Relinquished by:	Relinquished by: UNUUUU
hain		ť,	Mailing Address:		Phone #: 575-810-6144	ır Fax#:n	QA/QC Package:	ndard	itation:	AC	EDD (Type)		Time		10:34	10:38	12:33	9:55	12:50				Time: 8:43	Time:
0	Client:		Mailing		Phone	email o	QA/QC	□ Standard	Accreditation:				Date	2-28-22	2-28-22	2-28-22	2-28-22	3-1-22	2-28-22				22	$\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

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Received by OCD: 5/26/2022 1:02:47 PM



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

May 06, 2022

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

RE: Seinfield 10 inch

OrderNo.: 2205050

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/3/2022 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Lucid Energy

Project: Seinfield 10 inch

Analytical Report Lab Order 2205050

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/6/2022

Client Sample ID: FS02A@8FT Collection Date: 5/2/2022 10:35:00 AM Received Date: 5/3/2022 7:00:00 AM

Lab ID: 2205050-001	Matrix: SOIL	Rece	ived Date:	5/3/20	022 7:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	29	10	mg/Kg	1	5/3/2022 11:59:27 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/3/2022 11:59:27 AM
Surr: DNOP	91.8	51.1-141	%Rec	1	5/3/2022 11:59:27 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	2.4	mg/Kg	1	5/3/2022 9:35:22 AM
Surr: BFB	108	37.7-212	%Rec	1	5/3/2022 9:35:22 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.012	mg/Kg	1	5/3/2022 9:35:22 AM
Toluene	ND	0.024	mg/Kg	1	5/3/2022 9:35:22 AM
Ethylbenzene	ND	0.024	mg/Kg	1	5/3/2022 9:35:22 AM
Xylenes, Total	ND	0.048	mg/Kg	1	5/3/2022 9:35:22 AM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	5/3/2022 9:35:22 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	61	mg/Kg	20	5/4/2022 2:08:33 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix 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 5

Client: Project:		d Energy field 10 inch									
Sample ID:	MB-67244	SampT	ype: mb	lk	Tes	tCode: EP	A Method	300.0: Anions	6		
Client ID:	PBS	Batch	ID: 672	244	F	RunNo: 87	665				
Prep Date:	5/3/2022	Analysis Da	ate: 5/ 3	3/2022	S	SeqNo: 31	06432	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-67244	SampT	ype: Ics		Tes	tCode: EF	A Method	300.0: Anions	6		
Client ID:	LCSS	Batch	ID: 672	244	F	RunNo: 87	665				
Prep Date:	5/3/2022	Analysis Da	ate: 5/ 3	3/2022	5	SeqNo: 31	06433	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	93.0	90	110			

Qualifiers:

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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit
- RL

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WO#: 2205050 06-May-22

Client: Project:	Lucid Energy Seinfield 10 inch									
Sample ID: LCS-6	7217 San	npType: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Ва	atch ID: 67	217	F	RunNo: 87	7694				
Prep Date: 5/3/2	022 Analysi	s Date: 5/	3/2022	S	SeqNo: 31	05649	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics	(DRO) 49	10	50.00	0	97.8	68.9	135			
Surr: DNOP	3.8		5.000		75.1	51.1	141			

Qualifiers:

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- 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
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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2205050

06-May-22

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	ucid Energy einfield 10 inch									
Sample ID: mb	SampTyp	e: MBLK		Tes	tCode: EF	A Method	8015D: Gasoli	ne Range		
Client ID: PBS	Batch I	D: G87675		F	RunNo: 87	7675				
Prep Date:	Analysis Dat	e: 5/3/202	2	5	SeqNo: 31	05084	Units: mg/K	9		
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) ND	5.0								
Surr: BFB	1100		1000		112	37.7	212			
Sample ID: 2.5ug gro	lcs SampTyp	e: LCS		Tes	tCode: EF	PA Method	8015D: Gasoli	ne Range		
Client ID: LCSS	Batch I	D: G87675		F	RunNo: 87	7675				
Prep Date:	Analysis Dat	e: 5/3/202	2	5	SeqNo: 31	05085	Units: mg/Kg	9		
Analyte	Result	PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 27	5.0	25.00	0	107	72.3	137			
Surr: BFB	2200		1000		223	37.7	212			S

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- 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

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2205050

06-May-22

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2205050
	06 May 22

06-May-22

Client: Project:	Lucid Ene Seinfield 1	•••									
Sample ID:	mb	Samp	Туре: МЕ	BLK	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	PBS	Batc	h ID: B8	7675	F	RunNo: 87	675				
Prep Date:		Analysis I	Date: 5/3	3/2022	S	SeqNo: 31	05130	Units: mg/K	á		
·								•	•		Qual
Analyte Benzene		Result ND	PQL 0.025	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene		ND	0.025								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromo	ofluorobenzene	1.1		1.000		105	70	130			
Sample ID:	100ng btex lcs	Samp	Туре: LC	s	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	LCSS	Batc	h ID: B8	7675	F	RunNo: 87	675				
Prep Date:		Analysis I	Date: 5/3	3/2022	S	SeqNo: 31	05131	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.93	0.025	1.000	0	92.7	80	120			
Toluene		0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene		1.0	0.050	1.000	0	101	80	120			
Xylenes, Total		3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromo	ofluorobenzene	1.1		1.000		109	70	130			
Sample ID:	2205050-001AMS	Samp	Туре: МS	5	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	FS02A@8FT	Batc	h ID: B8	7675	F	RunNo: 87	675				
Prep Date:		Analysis I	Date: 5/4	4/2022	S	SeqNo: 31	05135	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.41	0.012	0.4847	0	85.2	68.8	120			
Toluene		0.44	0.024	0.4847	0.006786	89.7	73.6	124			
Ethylbenzene		0.45	0.024	0.4847	0.005817	90.9	72.7	129			
Xylenes, Total		1.3	0.048	1.454	0.01667	91.0	75.7	126			
Surr: 4-Bromo	ofluorobenzene	0.50		0.4847		102	70	130			
Sample ID:	2205050-001AMSD	Samp	Туре: МS	D	Tes	tCode: EF	A Method	8021B: Volati	iles		
Client ID:	FS02A@8FT	Batc	h ID: B8	7675	F	RunNo: 87	675				
Prep Date:		Analysis I	Date: 5/4	4/2022	S	SeqNo: 31	05136	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.40	0.012	0.4847	0	83.5	68.8	120	1.98	20	
Toluene		0.43	0.024	0.4847	0.006786	87.9	73.6	124	2.03	20	
Ethylbenzene		0.44	0.024	0.4847	0.005817	88.8	72.7	129	2.26	20	
Xylenes, Total		1.3	0.048	1.454	0.01667	89.3	75.7	126	1.79	20	
-	ofluorobenzene	0.50		0.4847		104	70	130	0	0	

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- 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

Received by	OCD:	5/26/2022	1:02:47 PM
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ANAL	RONMEN	ΓAL	Hall Environn TEL: 505-345 Website: wy	49 Albuquer -3975 FAX	01 Haw que, NN 505-34	kins NE 1 87109 15-4107	Sai	mple Log-In Check Lis	st
Client Name:	Lucid Ene	ergy	Work Order Nu	mber: 22(5050			RcptNo: 1	
Received By:	Juan Ro	jas	5/3/2022 7:00:00	AM		4 lua	nay		
Completed By: Reviewed By:		sarrubias	5/3/2022 7:33:07	AM					
Chain of Cus	stody								
1. Is Chain of C	ustody com	plete?		Yes	\checkmark	N	•	Not Present	
2. How was the	sample deli	vered?		<u>Co</u>	rier				
Log In 3. Was an atter	npt made to	cool the sample	es?	Yes		No	• 🗆		
4. Were all sam	ples receive	d at a temperat	ure of >0° C to 6.0°C	Yes		No			
5. Sample(s) in	proper conta	ainer(s)?		Yes		No			
6. Sufficient san	nple volume	for indicated tes	st(s)?	Yes	\checkmark	No			
7. Are samples				Yes					
8. Was preserva				Yes			\checkmark	NA 🗌	
9. Received at le	east 1 vial wi	th headspace <	1/4" for AQ VOA?	Yes		No		NA 🗹	
10. Were any sar				Yes					
1.Does paperwo	ork match bo			Yes				# of preserved bottles checked for pH: (<2 or >12 unless note	
2. Are matrices of			of Custody?	Yes		No	П	Adjusted?	ea)
3. Is it clear wha			8 5 76	Yes		No			
4. Were all holdi (If no, notify c				Yes		No	_	Checked by: 3n 5 3 2	2
pecial Handl									
15. Was client no	tified of all d	iscrepancies wi	th this order?	Yes		No		NA 🗹	
Person	Notified:		Date	: I	er a thur an		internation of		
By Who	m:		Via:	eMa	ail 🗌	Phone	Fax	In Person	
Regardi	ng:	1				AND DESCRIPTION OF THE OWNER OF THE]		
Client Ir	structions:								
16. Additional rer	marks:								
7. Cooler Infor	mation								
Cooler No	Temp °C	Condition	Seal Intact Seal No	Seal Da	ate	Signed	Bv		
	1.7		Yes	Joan Di	N MARKA	Cigiled	<i></i> ,		

	HALL ENVIRONMENTAL ANALYSTS LAROBATORY		4901 Hawkins NE - Albuquerque NM 87109	Tel. 505-345-3975 Fax 505-345-4107	nalysis I)S 't SV	́Од NIS((1. ,201	04 01 { 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	01 5 103 103	odte 88 \ 9M (AC) -ime	8081 Pe 20B (Md 20B (Md 20CRA 8 200 (V 200 (V 200 (Se 200 (V 200 (Se 200 (V 200 (Se 200 (V 200 (Se 200 (V 200 (Se 200 (V 200 (Se 200 (Se)20) (3 7 7 8 8 8 8								Remarks: Direct bill to Lucid Energy Pron # 195211500	Company # 860 Send confirmation and lab report to travis.casey@wsp.com	ny sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: 24 Hour Cuts	B Standard Kush 5 bury ee	,			31403665.022	(N []		1111	Container Preservative HEAL No.	N/A				8				Via: Vate Time	LANNED CASI22 JOD	ies. This serves
Chain-of-Custody Record	Client: Lucid Energy Group	Michael Gant	Mailing Address: 201 S 4th Artesia, NM 88210		Phone #: 575-810-6144	email or Fax#: mgant@lucid-energy.com	QA/QC Package:	Standard Level 4 (Full Validation)	:uo	D NELAC D Other	EDD (Type)		Date Time Matrix Sample Name	10:35 S FS							i		Pater Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subt

Received by OCD: 5/26/2022 1:02:47 PM

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Received by OCD: 5/26/2022 1:02:47 PM

Released to Imaging: 6/2/2022 2:58:25 PM

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Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

<u>Closure Report Attachment Checklist</u>: 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)

Z Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 \square 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:
 5/26/2022

 email:
 MGant@lucid-energy.com
 Telephone:
 3143307876

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:	Jennifer Nobui	Date:	06/02/2022
Printed Name: Jennifer N	lobui	Title:	Environmental Specialist A

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	111166
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	6/2/2022

Action 111166

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