

May 3, 2024

NMOCD District 2 1811 S. First St., Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the Keel B Injection Line Release (nAPP2333337407), Eddy County, New Mexico

To Whom It May Concern,

On behalf of LH Operating, LLC, Strata Resources (Strata) has prepared this Remediation Closure Report that describes the remediation of a release of produced water and crude oil related to an injection line failure at the Keel B Injection Line. The site is in Unit C, Section 09, Township 17S, Range 31E, Eddy County, New Mexico, on federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and closure criteria.

Table 1: Release Information and Closure Criteria									
Name	Keel B Injection Line	Company	LH Operating, LLC						
API Number	N/A	Location	32.854872 -103.876316						
Incident Number	nAPP2333337407								
Estimated Date of Release	11/27/2023	Date Reported to NMOCD	11/27/2023						
Land-Owner	Federal	Reported To	NMOCD, BLM						
Source of Release	Injection Line Failure								
Released	2.4 bbls	Released	Crude Oil						
Volume	2,476 bbls	Material	Produced Water						
Recovered Volume	2.4 bbls 1,320 bbls	Net Release	0 bbl of Crude Oil 1,156 bbl of Produced Water						
NMOCD Closure Criteria	<50 feet to groundwater								
Strata Response Dates	01/23/2024 - 01/30/2024								



#### 1.0 Background

On November 27, 2023, a release was discovered at the Keel B Injection Line after the line had a failure. Initial response actions were conducted by the operator and included source elimination by means of repair, site stabilization, and release recovery. The release consisted of 2.4 barrels of crude oil and 2,476 barrels of produced water. Subsequently, 2.4 barrels of crude oil and 1,320 barrels of produced water were successfully recovered. Figures 1 and 2 illustrate the vicinity and site location, while Figure 3 illustrates the release location.

#### 2.0 Site Information and Closure Criteria

The Keel B Injection site is located approximately 6.2 miles northeast of Loco Hills, New Mexico on federally owned land at an elevation of approximately 3901 feet above mean sea level (amsl).

Based upon the New Mexico Office of the State Engineers (NMOSE) online water well database (Appendix A), depth to groundwater in the area is between 50-100 feet below grade surface (bgs). There is no known water sources within ½-mile of the location, according to the NMOSE database (https://gis.ose.state.nm.us/gisapps/ose\_pod\_locations/; accessed 2/7/2024).

The nearest significant watercourse is a waterline, located approximately 1,231 feet north of the location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix A.

#### 3.0 Release Characterization and Remediation Activities

On November 27, 2023, LH Operating, LLC personnel discovered that the Keel B injection line had a failure. Personnel immediately shut in all valves to eliminate the source. An estimated 2.4 barrels of crude oil and 2,476 barrels of produced water were released.

On January 23, 2024, Strata mobilized to the site to oversee the excavation of contaminated soil in and around the injection line. Strata guided the excavation activities by collecting soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on January 24, 2024, that closure samples were expected to be collected in two (2) business days. A copy of this notification is included in Appendix B.

On January 29, 2024, Strata began conducting confirmation sampling of the walls and base of the excavation. The areas around sample locations SP1-SP6 were excavated to a depth of 2 feet bgs. The areas around sample locations SP7-SP16 were excavated to a depth of 4 feet bgs.



The confirmation samples were comprised of representative wall and base 5-point composite samples, each representing 200 ft<sup>2</sup> of exposed excavation of the base (SP1-SP16) and sidewalls (SP1-SP81). All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Eurofins (previously Hall Environmental) in Albuquerque, New Mexico (Appendix C)

On February 15, 2024, and February 19, 2024, Strata received lab confirmation that all samples were below NMOCD closure criteria (Table 3).

Figure 3 shows the extent of the excavation and sample locations. All laboratory results are summarized in Table 3 and the analytical reports are included in Appendix C. Approximately 356 cubic yards of contaminated soil were removed and hauled to a NMOCD approved facility.

#### 4.0 Reclamation Report and Revegetation Plan

Following confirmation sampling, the excavated areas were backfilled with locally sourced "like-kind" material. The impacted area was re-contoured and compacted to achieve erosion control, stability, and preservation of surface water erosion to the extent practicable. Photographs of the area following backfill and reclamation are included in Appendix E.

The affected area was reseeded on February 1, 2024, with landowner-approved seed mixture of approximately 1-acre rate of BLM LPC seed blend by grain drilled method. Figure 3 illustrates the area that was reclaimed and reseeded.

Regular surveys will be conducted monthly to monitor the health and growth of the vegetation. Once the vegetative growth meets the life-form ratio of plus or minus 50% of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds (NMAC 19.15.29.13 D. (3)), a site-specific Revegetation Report will be completed. The Revegetation Report will include:

- An executive summary of the revegetation activities
- A scaled site map of the revegetated areas
- Revegetation inspections detailing the life-form ratio / no noxious weeds
- Photographs

#### **5.0 Scope and Limitations**

The scope of our services included: assessment sampling, verifying release stabilizations; regulatory liaison; remediation; and preparation of this closure and reclamation report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Lynn Acosta at (505) 516-7469.



#### Submitted by:

Strata Resources, LLC

Lynn A. Acosta, Project Geoscientist

#### **ATTACHMENTS**

#### Figures:

Figure 1: Topographic Site Map

Figure 2: Aerial Site Map

Figure 3: Site Characterization Map

#### **Tables:**

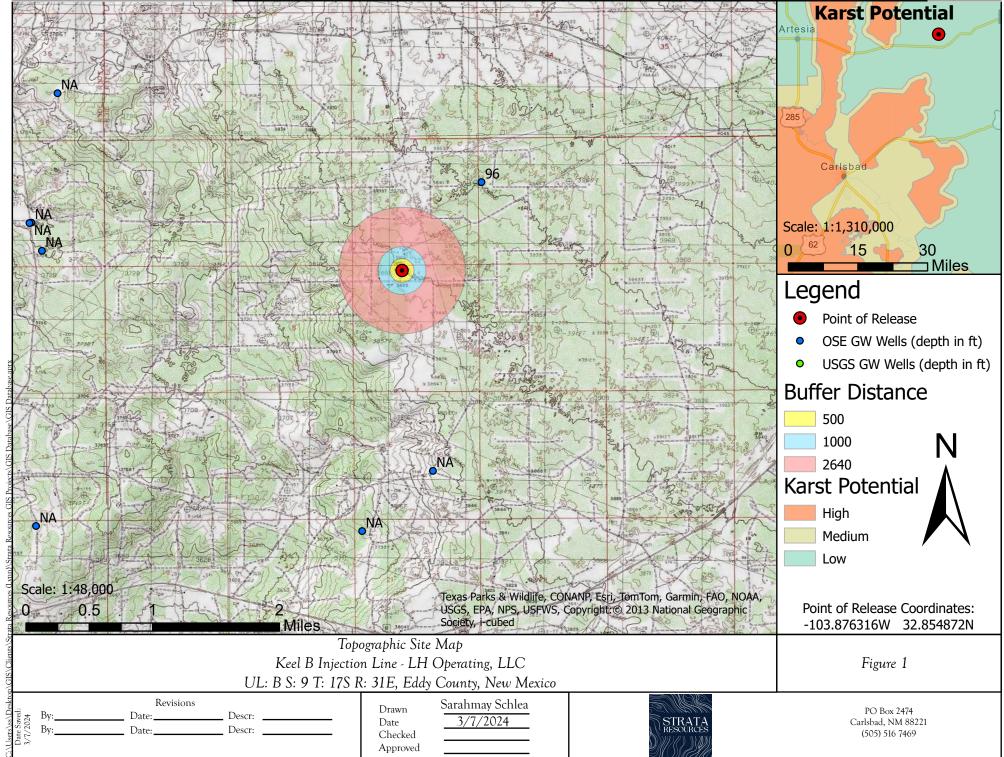
Table 2: NMOCD Closure Criteria
Table 3: Summary of Sample Results

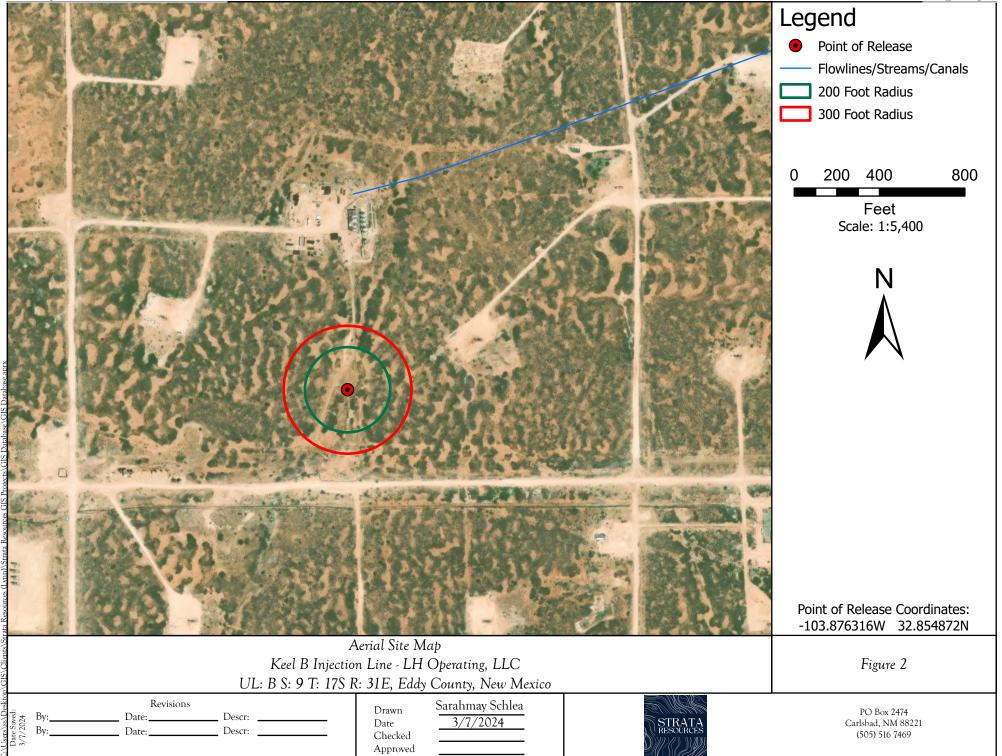
#### **Appendices:**

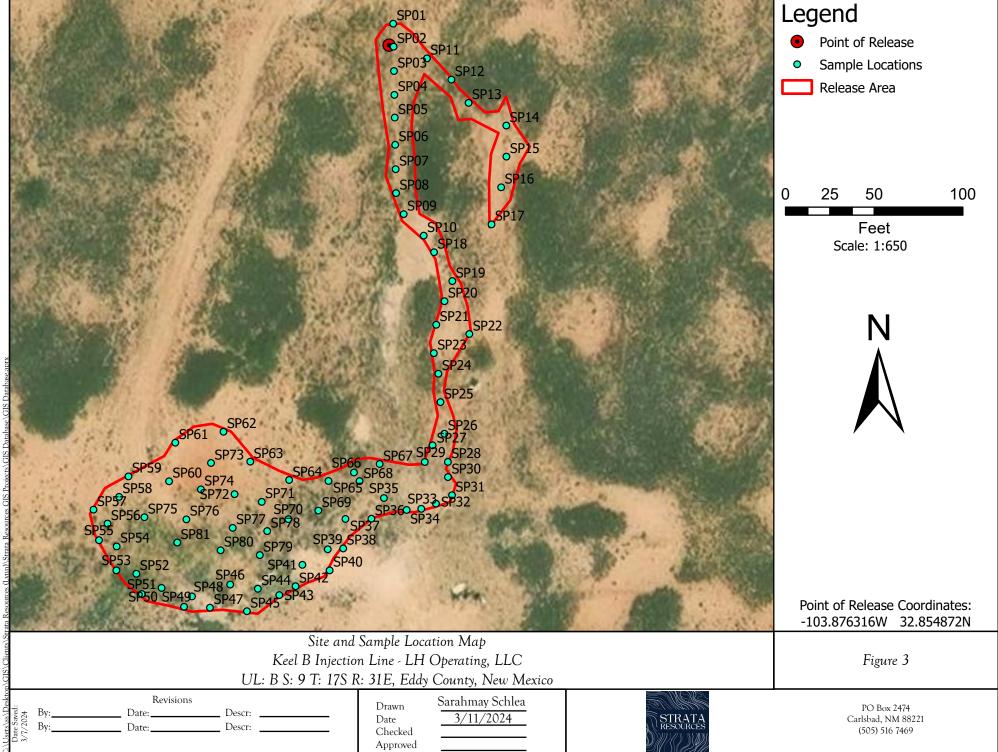
Appendix A: NMOSE Wells Report Appendix B: Notification of Sampling Appendix C: Analytical Laboratory Results Appendix D: Open Excavation Photo Log Appendix E: Reclamation Photo Log



# **FIGURES**









### **TABLES**

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes				
General Depth to Groundwater In Region (feet bgs)	>100	New Mexico Office of the State Engineer			
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	>5280	United States Geological Survery Topographical Map			
Hortizontal Distance to Nearest Significant Watercourse (ft)	1,231	Waterline			

Closure Criteria (19.15.29.1	.2.B(4) and	d Table 1 N	IMAC)			
			Closure Cr	iteria (units	in mg/kg)	
Depth to Groundwater			ТРН	GRO + DRO	ВТЕХ	Benzene
< 50' BGS	Χ	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water yes or no				if yes, then		
<300' from continuously flowing watercourse or other significant watercourse?  <200' from lakebed, sinkhole or playa lake?	No No					
Water Well or Water Source	Ι					
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?  <1000' from fresh water well or spring?	No No					
Human and Other Areas		600	100		50	10
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined						
municipal fresh water well field?						
<100' from wetland? No						
within area overlying a subsurface mine No						
within an unstable area?	No					
within a 100-year floodplain?	No					

Sample ID	Sample Date	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
טו		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD	Closure Criteria	50	10				100	600
			Base	Samples				
SP1		<0.216	<0.024	<4.8	<9.6	<48	<62.4	<60
SP2		<0.207	<0.023	<4.6	<9.7	<48	<62.3	<59
SP3		<0.212	<0.024	<4.7	<9.1	<46	<59.8	<59
SP4		<0.211	<0.023	<4.7	<9.2	<46	<59.9	<60
SP5		<0.208	<0.023	<4.6	<9.1	<45	<58.7	<60
SP6		<0.211	<0.023	<4.7	<9.1	<46	<59.8	<60
SP7		<0.211	<0.023	<4.7	<9.0	<45	<58.7	<60
SP8	1/30/2024	<0.208	<0.023	<4.6	<9.1	<45	<58.7	<60
SP9	1/30/2024	<0.213	<0.024	<4.7	<9.9	<49	<63.6	<60
SP10		<0.221	<0.025	<4.9	<8.7	<44	<57.6	<60
SP11		<0.21	<0.023	<4.7	<8.9	<44	<57.6	<60
SP12		<0.21	<0.023	<4.7	<9.9	<49	<63.6	<60
SP13		<0.213	<0.024	<4.7	<8.8	<44	<57.5	<60
SP14		<0.208	<0.023	<4.6	<9.0	<45	58.6	<60
SP15		<0.225	<0.025	<5.0	<9.3	<46	60.3	<60
SP16		<0.224	<0.025	<5.0	<9.2	<46	60.2	<60
			Sid	lewalls				
SP1		<0.216	<0.024	<4.8	<9.6	<48	62.4	<60
SP2		<0.212	<0.024	<4.7	<9.4	<47	<61.1	<60
SP3		<0.213	<0.024	<4.7	<9.7	<48	62.4	<61
SP4		<0.224	<0.025	<5.0	<9.7	<49	<63.7	<60
SP5		<0.217	<0.024	<4.8	<9.0	<45	<58.8	<60
SP6		<0.222	<0.025	<4.9	<9.2	<46	<60.1	<60
SP7		<0.225	<0.025	<5.0	<8.8	<44	<57.8	<60
SP8		<0.217	<0.024	<4.8	<9.6	<48	<62.4	<60
SP9		<0.211	<0.023	<4.7	<10	<50	<64.7	<60
SP10		<0.215	<0.024	<4.8	<8.9	<45	<58.7	<60
SP11		<0.221	<0.025	<4.9	<9.2	<46	<60.1	<60
SP12		<0.207	<0.023	<4.6	<9.0	<45	<58.6	<61
SP13		<0.216	<0.024	<4.8	<9.2	<46	<60	<60
SP14		<0.207	<0.023	<4.6	<9.1	<46	<59.7	<60
SP15		<0.225	<0.025	<5.0	<9.1	<45	<59.1	<60
SP16		<0.21	<0.023	<4.7	<8.9	<44	<57.6	<60
SP17		<0.225	<0.025	<5.0	<9.5	<47	<61.5	<60
SP18		<0.212	<0.024	<4.7	<9.0	<45	<58.7	<60
SP19		<0.217	<0.024	<4.8	<8.5	<43	<56.3	<60
SP20		<0.221	<0.025	<4.9	<9.9	<49	<63.8	<60
SP21		<0.222	<0.025	<4.9	<9.2	<46	<60.1	<59
SP22		<0.224	<0.025	<5.0	<9.6	<48	<62.6	<60
SP23		<0.224	<0.025	<5.0	<9.2	<46	<60.2	<60

SP24	
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1/29/2024

<0.219	<0.024	<4.9	<8.9	<45	<58.8	<60
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<0.225	<0.025	<5.0	<9.1	<45	<59.1	<60
<0.224	<0.025	<5.0 <4.9	<9.2 <9.3	<46 <46	<60.2 <60.2	<60 <61
<0.222 <0.217	<0.025 <0.024	<4.9	<9.9	<49	<63.7	<60
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<0.216	<0.024	<4.8	<10	<50	<64.8	<60
<0.222	<0.025	<4.9	<9.6	<48	<62.5	<59
<0.219	<0.024	<4.9	<10	<50	<64.9	<60
<0.225	<0.025	<5.0	<9.7	<49	<63.7	<60
<0.225	<0.025	<5.0	<9.4	<47	<61.4	<59
<0.219	<0.024	<4.9	<9.7	<49	<63.6	<60
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<0.222	<0.025	<4.9	<9.8	<49	<63.7	<59
<0.221	<0.025	<4.9	<9.8	<49	<63.7	<60
<0.224	<0.025	<5.0	<9.7	<48	<62.9	<60
<0.222	<0.025	<4.9	<9.7	<48	<62.6	<60 <60
<0.219	<0.024	<4.9	<9.6	<48	<62.5	<60 <60
<0.225	<0.025	<5.0	<8.4	<42	<55.4	<60 <60
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SP71	<0.217	<0.024	<4.8	<9.5	<47	<61.3	<60
SP72	<0.224	<0.025	<5.0	<8.7	<43	<56.7	<59
SP73	<0.225	<0.025	<5.0	<9.5	<47	<61.5	<60
SP74	<0.221	<0.025	<4.9	<8.6	<43	<56.5	<60
SP75	<0.217	<0.024	<4.8	<9.7	<49	<63.5	<60
SP76	<0.217	<0.024	<4.8	<9.8	<49	<63.6	<60
SP77	<0.221	<0.025	<4.9	<9.3	<47	<61.2	<60
SP78	<0.22	<0.024	<4.9	<10	<59	<73.9	<60
SP79	<0.225	<0.025	<5.0	<9.7	<49	<63.7	<60
SP80	<0.219	<0.024	<4.9	<9.3	<46	<60.2	<60
SP81	<0.211	<0.023	<4.7	<9.4	<47	<61.1	<60



# APPENDIX A: NMOSE WELLS REPORT



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

No records found.

UTMNAD83 Radius Search (in meters):

**Easting (X):** 605144.19 **Northing (Y):** 3635757.63 **Radius:** 805

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.

4/23/24 10:52 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



### New Mexico Office of the State Engineer

### Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

**POD** Sub-

QQQ

Water

**POD Number** L 14207 POD3

basin County 64 16 4 Sec Tws Rng Code 2 3 3 31 16S 37E

X 606117 3636977 Distance Depth Well Depth Water Column240

Average Depth to Water:

96 feet

Minimum Depth:

96 feet

Maximum Depth:

96 feet

Record Count: 1

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 605144.19

**Northing (Y):** 3635757.63

Radius: 1600

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.

4/23/24 10:53 AM

WATER COLUMN/ AVERAGE DEPTH TO

WATER



# APPENDIX B: NOTIFICATION OF SAMPLING

From: Michael Burton

Sent: Wednesday, January 24, 2024 9:11 PM

**To:** strataresources@outlook.com; arrowlogisticsnm@gmail.com

Subject: Fwd: The Oil Conservation Division (OCD) has accepted the application, Application ID: 307547

------ Forwarded message ------From: < OCDOnline@state.nm.us>
Date: Wed, Jan 24, 2024 at 8:56 PM

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 307547

To: <mike@lhoperating.com>

To whom it may concern (c/o Michael Burton for LH Operating, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2333337407.

The sampling event is expected to take place:

When: 01/29/2024 @ 07:00

Where: B-09-17S-31E 0 FNL 0 FEL (32.854872,-103.876316)

Additional Information: Mike Burton 575-499-5306

32.854925,-103.876854

Open access

**Additional Instructions:** 32.854925,-103.876854

Open access

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

Failure to notify the OCD of sampling events including any changes in date/time per the
requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples
not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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



# APPENDIX C: ANALYTICAL LABORATORY RESULTS



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 19, 2024

Mike Burton LH Operating, LLC 4809 Cole Ave, Ste 106 Dallas, TX 75205

TEL: (575) 499-5306

FAX:

RE: Keel B INJ OrderNo.: 2402163

#### Dear Mike Burton:

Eurofins Environment Testing South Central, LLC received 81 sample(s) on 2/3/2024 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP1

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:00:00 AM

 Lab ID:
 2402163-001
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/6/2024 3:56:41 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/6/2024 3:56:41 PM
Surr: DNOP	87.4	61.2-134	%Rec	1	2/6/2024 3:56:41 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 1:06:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 1:06:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 1:06:00 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 1:06:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 1:06:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/7/2024 1:06:00 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146	%Rec	1	2/7/2024 1:06:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 10:48:35 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP2

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:10:00 AM

 Lab ID:
 2402163-002
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/6/2024 4:08:44 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/6/2024 4:08:44 PM
Surr: DNOP	77.1	61.2-134	%Rec	1	2/6/2024 4:08:44 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 2:12:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 2:12:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 2:12:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 2:12:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 2:12:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 2:12:00 PM
Surr: 4-Bromofluorobenzene	94.5	39.1-146	%Rec	1	2/7/2024 2:12:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 11:27:06 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP3

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:20:00 AM

 Lab ID:
 2402163-003
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/6/2024 4:20:46 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/6/2024 4:20:46 PM
Surr: DNOP	83.2	61.2-134	%Rec	1	2/6/2024 4:20:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 3:18:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 3:18:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 3:18:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 3:18:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 3:18:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2024 3:18:00 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146	%Rec	1	2/7/2024 3:18:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	61	mg/Kg	20	2/7/2024 6:59:42 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP4

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:30:00 AM

 Lab ID:
 2402163-004
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/6/2024 5:17:09 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2024 5:17:09 PM
Surr: DNOP	83.0	61.2-134	%Rec	1	2/6/2024 5:17:09 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/7/2024 3:40:00 PM
Surr: BFB	102	15-244	%Rec	1	2/7/2024 3:40:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 3:40:00 PM
Toluene	ND	0.050	mg/Kg	1	2/7/2024 3:40:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/7/2024 3:40:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/7/2024 3:40:00 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146	%Rec	1	2/7/2024 3:40:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 7:14:51 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP5

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:40:00 AM

 Lab ID:
 2402163-005
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/6/2024 5:29:06 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 5:29:06 PM
Surr: DNOP	83.0	61.2-134	%Rec	1	2/6/2024 5:29:06 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 4:02:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 4:02:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 4:02:00 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 4:02:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 4:02:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/7/2024 4:02:00 PM
Surr: 4-Bromofluorobenzene	97.6	39.1-146	%Rec	1	2/7/2024 4:02:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 8:00:20 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP6

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 7:50:00 AM

 Lab ID:
 2402163-006
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/6/2024 5:41:05 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 5:41:05 PM
Surr: DNOP	84.7	61.2-134	%Rec	1	2/6/2024 5:41:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2024 4:24:00 PM
Surr: BFB	101	15-244	%Rec	1	2/7/2024 4:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 4:24:00 PM
Toluene	ND	0.049	mg/Kg	1	2/7/2024 4:24:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2024 4:24:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/7/2024 4:24:00 PM
Surr: 4-Bromofluorobenzene	96.1	39.1-146	%Rec	1	2/7/2024 4:24:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 8:15:29 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP7

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 8:00:00 AM

 Lab ID:
 2402163-007
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/6/2024 5:52:58 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/6/2024 5:52:58 PM
Surr: DNOP	86.2	61.2-134	%Rec	1	2/6/2024 5:52:58 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/7/2024 4:46:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 4:46:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 4:46:00 PM
Toluene	ND	0.050	mg/Kg	1	2/7/2024 4:46:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/7/2024 4:46:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/7/2024 4:46:00 PM
Surr: 4-Bromofluorobenzene	96.0	39.1-146	%Rec	1	2/7/2024 4:46:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 8:30:40 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP8

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 8:10:00 AM

 Lab ID:
 2402163-008
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE OR	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/6/2024 6:04:54 PM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/6/2024 6:04:54 PM	
Surr: DNOP	84.8	61.2-134	%Rec	1	2/6/2024 6:04:54 PM	
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 5:08:00 PM	
Surr: BFB	103	15-244	%Rec	1	2/7/2024 5:08:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	2/7/2024 5:08:00 PM	
Toluene	ND	0.048	mg/Kg	1	2/7/2024 5:08:00 PM	
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 5:08:00 PM	
Xylenes, Total	ND	0.097	mg/Kg	1	2/7/2024 5:08:00 PM	
Surr: 4-Bromofluorobenzene	97.4	39.1-146	%Rec	1	2/7/2024 5:08:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: SNS	
Chloride	ND	60	mg/Kg	20	2/7/2024 8:45:50 PM	

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP9

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 8:20:00 AM

 Lab ID:
 2402163-009
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/6/2024 6:16:48 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/6/2024 6:16:48 PM
Surr: DNOP	82.4	61.2-134	%Rec	1	2/6/2024 6:16:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 5:30:00 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 5:30:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	2/7/2024 5:30:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 5:30:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 5:30:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 5:30:00 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146	%Rec	1	2/7/2024 5:30:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 9:01:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Orting Limit Page 9 of 96

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP10

**Project:** Keel B INJ
 Collection Date: 1/29/2024 8:30:00 AM

 **Lab ID:** 2402163-010
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/6/2024 6:40:31 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 6:40:31 PM
Surr: DNOP	81.2	61.2-134	%Rec	1	2/6/2024 6:40:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 5:52:00 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 5:52:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 5:52:00 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 5:52:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 5:52:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2024 5:52:00 PM
Surr: 4-Bromofluorobenzene	96.0	39.1-146	%Rec	1	2/7/2024 5:52:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 9:16:09 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP11

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 8:40:00 AM

 Lab ID:
 2402163-011
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/6/2024 6:52:22 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 6:52:22 PM
Surr: DNOP	75.9	61.2-134	%Rec	1	2/6/2024 6:52:22 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2024 6:36:00 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 6:36:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 6:36:00 PM
Toluene	ND	0.049	mg/Kg	1	2/7/2024 6:36:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2024 6:36:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/7/2024 6:36:00 PM
Surr: 4-Bromofluorobenzene	96.1	39.1-146	%Rec	1	2/7/2024 6:36:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 9:31:18 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP12

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 8:50:00 AM

 Lab ID:
 2402163-012
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/6/2024 7:04:12 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 7:04:12 PM
Surr: DNOP	80.5	61.2-134	%Rec	1	2/6/2024 7:04:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 6:58:00 PM
Surr: BFB	107	15-244	%Rec	1	2/7/2024 6:58:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	2/7/2024 6:58:00 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 6:58:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 6:58:00 PM
Xylenes, Total	ND	0.092	mg/Kg	1	2/7/2024 6:58:00 PM
Surr: 4-Bromofluorobenzene	108	39.1-146	%Rec	1	2/7/2024 6:58:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	61	mg/Kg	20	2/7/2024 9:46:27 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP13

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 9:00:00 AM

 Lab ID:
 2402163-013
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/6/2024 7:16:09 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 7:16:09 PM
Surr: DNOP	85.5	61.2-134	%Rec	1	2/6/2024 7:16:09 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 7:20:00 PM
Surr: BFB	99.6	15-244	%Rec	1	2/7/2024 7:20:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 7:20:00 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 7:20:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 7:20:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/7/2024 7:20:00 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146	%Rec	1	2/7/2024 7:20:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 10:01:33 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP14

**Project:** Keel B INJ
 Collection Date: 1/29/2024 9:10:00 AM

 **Lab ID:** 2402163-014
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/6/2024 7:28:01 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 7:28:01 PM
Surr: DNOP	77.9	61.2-134	%Rec	1	2/6/2024 7:28:01 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 7:42:00 PM
Surr: BFB	103	15-244	%Rec	1	2/7/2024 7:42:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	2/7/2024 7:42:00 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 7:42:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 7:42:00 PM
Xylenes, Total	ND	0.092	mg/Kg	1	2/7/2024 7:42:00 PM
Surr: 4-Bromofluorobenzene	96.3	39.1-146	%Rec	1	2/7/2024 7:42:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 10:16:43 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP15

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 9:20:00 AM

 Lab ID:
 2402163-015
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/6/2024 7:39:55 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 7:39:55 PM
Surr: DNOP	80.4	61.2-134	%Rec	1	2/6/2024 7:39:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/7/2024 8:03:00 PM
Surr: BFB	101	15-244	%Rec	1	2/7/2024 8:03:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 8:03:00 PM
Toluene	ND	0.050	mg/Kg	1	2/7/2024 8:03:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/7/2024 8:03:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/7/2024 8:03:00 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146	%Rec	1	2/7/2024 8:03:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 11:02:50 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP16

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 9:30:00 AM

 Lab ID:
 2402163-016
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/6/2024 7:51:48 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/6/2024 7:51:48 PM
Surr: DNOP	86.9	61.2-134	%Rec	1	2/6/2024 7:51:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 8:25:00 PM
Surr: BFB	101	15-244	%Rec	1	2/7/2024 8:25:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	2/7/2024 8:25:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 8:25:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 8:25:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 8:25:00 PM
Surr: 4-Bromofluorobenzene	95.0	39.1-146	%Rec	1	2/7/2024 8:25:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 11:17:27 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP17

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 9:40:00 AM

 Lab ID:
 2402163-017
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/6/2024 8:03:41 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/6/2024 8:03:41 PM
Surr: DNOP	84.9	61.2-134	%Rec	1	2/6/2024 8:03:41 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/7/2024 8:47:00 PM
Surr: BFB	102	15-244	%Rec	1	2/7/2024 8:47:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 8:47:00 PM
Toluene	ND	0.050	mg/Kg	1	2/7/2024 8:47:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/7/2024 8:47:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/7/2024 8:47:00 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146	%Rec	1	2/7/2024 8:47:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 11:32:36 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP18

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 9:50:00 AM

 Lab ID:
 2402163-018
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/6/2024 8:15:38 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 8:15:38 PM
Surr: DNOP	88.4	61.2-134	%Rec	1	2/6/2024 8:15:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 9:09:00 PM
Surr: BFB	103	15-244	%Rec	1	2/7/2024 9:09:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 9:09:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 9:09:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 9:09:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 9:09:00 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146	%Rec	1	2/7/2024 9:09:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 11:47:45 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP19

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 10:00:00 AM

 Lab ID:
 2402163-019
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.5	mg/Kg	1	2/6/2024 8:27:30 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/6/2024 8:27:30 PM
Surr: DNOP	86.5	61.2-134	%Rec	1	2/6/2024 8:27:30 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 9:31:00 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 9:31:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	2/7/2024 9:31:00 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 9:31:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 9:31:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/7/2024 9:31:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146	%Rec	1	2/7/2024 9:31:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 12:02:54 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP20

**Project:** Keel B INJ
 Collection Date: 1/29/2024 10:10:00 AM

 **Lab ID:** 2402163-020
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/6/2024 8:39:26 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2024 8:39:26 PM
Surr: DNOP	89.4	61.2-134	%Rec	1	2/6/2024 8:39:26 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2024 9:53:00 PM
Surr: BFB	100	15-244	%Rec	1	2/7/2024 9:53:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	2/7/2024 9:53:00 PM
Toluene	ND	0.049	mg/Kg	1	2/7/2024 9:53:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2024 9:53:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/7/2024 9:53:00 PM
Surr: 4-Bromofluorobenzene	93.9	39.1-146	%Rec	1	2/7/2024 9:53:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 12:18:05 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP21

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 10:20:00 AM

 Lab ID:
 2402163-021
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/6/2024 9:50:37 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 9:50:37 PM
Surr: DNOP	77.2	61.2-134	%Rec	1	2/6/2024 9:50:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 2:19:14 AM
Surr: BFB	94.4	15-244	%Rec	1	2/9/2024 2:19:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 2:19:14 AM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 2:19:14 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 2:19:14 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 2:19:14 AM
Surr: 4-Bromofluorobenzene	83.9	39.1-146	%Rec	1	2/9/2024 2:19:14 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/7/2024 11:52:18 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 21 of 96

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP22

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 10:30:00 AM

 Lab ID:
 2402163-022
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/6/2024 10:02:27 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/6/2024 10:02:27 PM
Surr: DNOP	80.7	61.2-134	%Rec	1	2/6/2024 10:02:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 1:08:13 AM
Surr: BFB	94.0	15-244	%Rec	1	2/8/2024 1:08:13 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 1:08:13 AM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 1:08:13 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 1:08:13 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 1:08:13 AM
Surr: 4-Bromofluorobenzene	83.3	39.1-146	%Rec	1	2/8/2024 1:08:13 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 12:37:46 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP23

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 10:40:00 AM

 Lab ID:
 2402163-023
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/6/2024 10:14:19 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2024 10:14:19 PM
Surr: DNOP	82.8	61.2-134	%Rec	1	2/6/2024 10:14:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 2:18:42 AM
Surr: BFB	93.0	15-244	%Rec	1	2/8/2024 2:18:42 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 2:18:42 AM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 2:18:42 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 2:18:42 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 2:18:42 AM
Surr: 4-Bromofluorobenzene	80.9	39.1-146	%Rec	1	2/8/2024 2:18:42 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 1:53:33 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP24

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 10:50:00 AM

 Lab ID:
 2402163-024
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/6/2024 10:26:17 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 10:26:17 PM
Surr: DNOP	83.6	61.2-134	%Rec	1	2/6/2024 10:26:17 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 2:42:22 AM
Surr: BFB	93.2	15-244	%Rec	1	2/8/2024 2:42:22 AM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 2:42:22 AM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 2:42:22 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 2:42:22 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 2:42:22 AM
Surr: 4-Bromofluorobenzene	82.2	39.1-146	%Rec	1	2/8/2024 2:42:22 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 2:08:44 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP25

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:00:00 AM

 Lab ID:
 2402163-025
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/6/2024 10:38:05 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2024 10:38:05 PM
Surr: DNOP	83.4	61.2-134	%Rec	1	2/6/2024 10:38:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 3:05:48 AM
Surr: BFB	92.3	15-244	%Rec	1	2/8/2024 3:05:48 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 3:05:48 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 3:05:48 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 3:05:48 AM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 3:05:48 AM
Surr: 4-Bromofluorobenzene	81.5	39.1-146	%Rec	1	2/8/2024 3:05:48 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 2:23:54 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP26

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:10:00 AM

 Lab ID:
 2402163-026
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/6/2024 10:49:55 PM
Motor Oil Range Organics (MRO)	52	49	mg/Kg	1	2/6/2024 10:49:55 PM
Surr: DNOP	86.8	61.2-134	%Rec	1	2/6/2024 10:49:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 3:29:25 AM
Surr: BFB	96.6	15-244	%Rec	1	2/8/2024 3:29:25 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 3:29:25 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 3:29:25 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 3:29:25 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 3:29:25 AM
Surr: 4-Bromofluorobenzene	85.7	39.1-146	%Rec	1	2/8/2024 3:29:25 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 2:39:03 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP27

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:20:00 AM

 Lab ID:
 2402163-027
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/6/2024 11:01:39 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2024 11:01:39 PM
Surr: DNOP	87.5	61.2-134	%Rec	1	2/6/2024 11:01:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 3:52:54 AM
Surr: BFB	92.3	15-244	%Rec	1	2/8/2024 3:52:54 AM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 3:52:54 AM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 3:52:54 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 3:52:54 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 3:52:54 AM
Surr: 4-Bromofluorobenzene	81.6	39.1-146	%Rec	1	2/8/2024 3:52:54 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 2:54:12 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP28

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:30:00 AM

 Lab ID:
 2402163-028
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	2/6/2024 11:13:25 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/6/2024 11:13:25 PM
Surr: DNOP	85.2	61.2-134	%Rec	1	2/6/2024 11:13:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 4:16:33 AM
Surr: BFB	95.6	15-244	%Rec	1	2/8/2024 4:16:33 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 4:16:33 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 4:16:33 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 4:16:33 AM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 4:16:33 AM
Surr: 4-Bromofluorobenzene	84.3	39.1-146	%Rec	1	2/8/2024 4:16:33 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 3:09:22 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP29

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:40:00 AM

 Lab ID:
 2402163-029
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS				Analyst: <b>JKU</b>	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/6/2024 11:25:12 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/6/2024 11:25:12 PM
Surr: DNOP	86.4	61.2-134	%Rec	1	2/6/2024 11:25:12 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 4:40:01 AM
Surr: BFB	90.7	15-244	%Rec	1	2/8/2024 4:40:01 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 4:40:01 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 4:40:01 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 4:40:01 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/8/2024 4:40:01 AM
Surr: 4-Bromofluorobenzene	79.6	39.1-146	%Rec	1	2/8/2024 4:40:01 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 3:24:31 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP30

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 11:50:00 AM

 Lab ID:
 2402163-030
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.4	mg/Kg	1	2/6/2024 11:37:00 PM
Motor Oil Range Organics (MRO)	47	42	mg/Kg	1	2/6/2024 11:37:00 PM
Surr: DNOP	79.2	61.2-134	%Rec	1	2/6/2024 11:37:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 5:03:23 AM
Surr: BFB	92.6	15-244	%Rec	1	2/8/2024 5:03:23 AM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 5:03:23 AM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 5:03:23 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 5:03:23 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 5:03:23 AM
Surr: 4-Bromofluorobenzene	82.6	39.1-146	%Rec	1	2/8/2024 5:03:23 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 3:39:41 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP31

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 12:00:00 PM

 Lab ID:
 2402163-031
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 12:00:31 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 12:00:31 AM
Surr: DNOP	86.2	61.2-134	%Rec	1	2/7/2024 12:00:31 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 11:16:25 AM
Surr: BFB	99.3	15-244	%Rec	1	2/8/2024 11:16:25 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 11:16:25 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 11:16:25 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 11:16:25 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/8/2024 11:16:25 AM
Surr: 4-Bromofluorobenzene	88.3	39.1-146	%Rec	1	2/8/2024 11:16:25 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 3:54:51 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP32

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 12:10:00 PM

 Lab ID:
 2402163-032
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/7/2024 12:12:19 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/7/2024 12:12:19 AM
Surr: DNOP	85.2	61.2-134	%Rec	1	2/7/2024 12:12:19 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/8/2024 11:40:04 AM
Surr: BFB	95.6	15-244	%Rec	1	2/8/2024 11:40:04 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 11:40:04 AM
Toluene	ND	0.047	mg/Kg	1	2/8/2024 11:40:04 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/8/2024 11:40:04 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/8/2024 11:40:04 AM
Surr: 4-Bromofluorobenzene	84.0	39.1-146	%Rec	1	2/8/2024 11:40:04 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 4:09:59 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP33

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 12:20:00 PM

 Lab ID:
 2402163-033
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/7/2024 12:24:04 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 12:24:04 AM
Surr: DNOP	85.2	61.2-134	%Rec	1	2/7/2024 12:24:04 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 12:03:44 PM
Surr: BFB	97.8	15-244	%Rec	1	2/8/2024 12:03:44 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 12:03:44 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 12:03:44 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 12:03:44 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/8/2024 12:03:44 PM
Surr: 4-Bromofluorobenzene	86.2	39.1-146	%Rec	1	2/8/2024 12:03:44 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/7/2024 4:55:28 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP34

**Project:** Keel B INJ
 Collection Date: 1/29/2024 12:30:00 PM

 **Lab ID:** 2402163-034
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	2/7/2024 12:35:50 AM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/7/2024 12:35:50 AM
Surr: DNOP	84.3	61.2-134	%Rec	1	2/7/2024 12:35:50 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 12:27:30 PM
Surr: BFB	97.9	15-244	%Rec	1	2/8/2024 12:27:30 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 12:27:30 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 12:27:30 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 12:27:30 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 12:27:30 PM
Surr: 4-Bromofluorobenzene	86.0	39.1-146	%Rec	1	2/8/2024 12:27:30 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 5:13:36 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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP35

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 12:40:00 PM

 Lab ID:
 2402163-035
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/7/2024 12:47:38 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 12:47:38 AM
Surr: DNOP	87.7	61.2-134	%Rec	1	2/7/2024 12:47:38 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 12:51:22 PM
Surr: BFB	102	15-244	%Rec	1	2/8/2024 12:51:22 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 12:51:22 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 12:51:22 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 12:51:22 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/8/2024 12:51:22 PM
Surr: 4-Bromofluorobenzene	87.0	39.1-146	%Rec	1	2/8/2024 12:51:22 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 5:28:45 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP36

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 12:50:00 PM

 Lab ID:
 2402163-036
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/7/2024 12:59:23 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 12:59:23 AM
Surr: DNOP	83.0	61.2-134	%Rec	1	2/7/2024 12:59:23 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 1:15:19 PM
Surr: BFB	99.1	15-244	%Rec	1	2/8/2024 1:15:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 1:15:19 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 1:15:19 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 1:15:19 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 1:15:19 PM
Surr: 4-Bromofluorobenzene	85.7	39.1-146	%Rec	1	2/8/2024 1:15:19 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 5:43:54 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP37

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 1:00:00 PM

 Lab ID:
 2402163-037
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 1:11:13 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 1:11:13 AM
Surr: DNOP	83.0	61.2-134	%Rec	1	2/7/2024 1:11:13 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 1:39:16 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 1:39:16 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 1:39:16 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 1:39:16 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 1:39:16 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 1:39:16 PM
Surr: 4-Bromofluorobenzene	88.7	39.1-146	%Rec	1	2/8/2024 1:39:16 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 5:59:03 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP38

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 1:10:00 PM

 Lab ID:
 2402163-038
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/7/2024 1:22:58 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 1:22:58 AM
Surr: DNOP	84.2	61.2-134	%Rec	1	2/7/2024 1:22:58 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 2:03:13 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 2:03:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 2:03:13 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 2:03:13 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 2:03:13 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 2:03:13 PM
Surr: 4-Bromofluorobenzene	89.3	39.1-146	%Rec	1	2/8/2024 2:03:13 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 6:14:13 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP39

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 1:20:00 PM

 Lab ID:
 2402163-039
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/7/2024 1:34:46 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/7/2024 1:34:46 AM
Surr: DNOP	83.1	61.2-134	%Rec	1	2/7/2024 1:34:46 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 2:27:14 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 2:27:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 2:27:14 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 2:27:14 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 2:27:14 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 2:27:14 PM
Surr: 4-Bromofluorobenzene	90.0	39.1-146	%Rec	1	2/8/2024 2:27:14 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 6:29:23 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP40

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 1:30:00 PM

 Lab ID:
 2402163-040
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR			Analyst: <b>JKU</b>		
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 1:46:31 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 1:46:31 AM
Surr: DNOP	80.0	61.2-134	%Rec	1	2/7/2024 1:46:31 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 2:51:17 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 2:51:17 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/8/2024 2:51:17 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 2:51:17 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 2:51:17 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/8/2024 2:51:17 PM
Surr: 4-Bromofluorobenzene	88.0	39.1-146	%Rec	1	2/8/2024 2:51:17 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/7/2024 6:44:32 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** LH Operating, LLC **Client Sample ID:** SP41

**Project:** Keel B INJ Collection Date: 1/29/2024 1:40:00 PM Lab ID: 2402163-041 Matrix: SOIL Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/7/2024 11:21:16 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 11:21:16 AM
Surr: DNOP	85.7	61.2-134	%Rec	1	2/7/2024 11:21:16 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 3:39:16 PM
Surr: BFB	106	15-244	%Rec	1	2/8/2024 3:39:16 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 3:39:16 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 3:39:16 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 3:39:16 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/8/2024 3:39:16 PM
Surr: 4-Bromofluorobenzene	90.5	39.1-146	%Rec	1	2/8/2024 3:39:16 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 11:52:04 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 41 of 96

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP42

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 1:50:00 PM

 Lab ID:
 2402163-042
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/7/2024 11:57:29 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 11:57:29 AM
Surr: DNOP	80.6	61.2-134	%Rec	1	2/7/2024 11:57:29 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 4:03:14 PM
Surr: BFB	104	15-244	%Rec	1	2/8/2024 4:03:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 4:03:14 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 4:03:14 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 4:03:14 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/8/2024 4:03:14 PM
Surr: 4-Bromofluorobenzene	89.1	39.1-146	%Rec	1	2/8/2024 4:03:14 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 12:30:40 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP43

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:00:00 PM

 Lab ID:
 2402163-043
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/7/2024 12:09:32 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/7/2024 12:09:32 PM
Surr: DNOP	83.0	61.2-134	%Rec	1	2/7/2024 12:09:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 4:27:12 PM
Surr: BFB	104	15-244	%Rec	1	2/8/2024 4:27:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.025	mg/Kg	1	2/8/2024 4:27:12 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 4:27:12 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 4:27:12 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/8/2024 4:27:12 PM
Surr: 4-Bromofluorobenzene	87.6	39.1-146	%Rec	1	2/8/2024 4:27:12 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 5:25:09 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP44

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:10:00 PM

 Lab ID:
 2402163-044
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/7/2024 12:21:39 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 12:21:39 PM
Surr: DNOP	81.1	61.2-134	%Rec	1	2/7/2024 12:21:39 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 4:51:08 PM
Surr: BFB	104	15-244	%Rec	1	2/8/2024 4:51:08 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 4:51:08 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 4:51:08 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 4:51:08 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 4:51:08 PM
Surr: 4-Bromofluorobenzene	89.4	39.1-146	%Rec	1	2/8/2024 4:51:08 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 5:40:18 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP45

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:20:00 PM

 Lab ID:
 2402163-045
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 12:33:41 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 12:33:41 PM
Surr: DNOP	80.5	61.2-134	%Rec	1	2/7/2024 12:33:41 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 5:15:03 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 5:15:03 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 5:15:03 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 5:15:03 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 5:15:03 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 5:15:03 PM
Surr: 4-Bromofluorobenzene	86.8	39.1-146	%Rec	1	2/8/2024 5:15:03 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	61	mg/Kg	20	2/8/2024 6:25:45 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP46

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:30:00 PM

 Lab ID:
 2402163-046
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/7/2024 12:45:47 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 12:45:47 PM
Surr: DNOP	87.2	61.2-134	%Rec	1	2/7/2024 12:45:47 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 5:39:00 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 5:39:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 5:39:00 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 5:39:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 5:39:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 5:39:00 PM
Surr: 4-Bromofluorobenzene	88.8	39.1-146	%Rec	1	2/8/2024 5:39:00 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 6:40:54 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP47

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:40:00 PM

 Lab ID:
 2402163-047
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 1:34:18 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 1:34:18 PM
Surr: DNOP	80.1	61.2-134	%Rec	1	2/7/2024 1:34:18 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 6:02:55 PM
Surr: BFB	103	15-244	%Rec	1	2/8/2024 6:02:55 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 6:02:55 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 6:02:55 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 6:02:55 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/8/2024 6:02:55 PM
Surr: 4-Bromofluorobenzene	90.0	39.1-146	%Rec	1	2/8/2024 6:02:55 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 6:56:04 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP48

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 2:50:00 PM

 Lab ID:
 2402163-048
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/7/2024 1:46:30 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/7/2024 1:46:30 PM
Surr: DNOP	83.6	61.2-134	%Rec	1	2/7/2024 1:46:30 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2024 6:26:49 PM
Surr: BFB	106	15-244	%Rec	1	2/8/2024 6:26:49 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 6:26:49 PM
Toluene	ND	0.048	mg/Kg	1	2/8/2024 6:26:49 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2024 6:26:49 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/8/2024 6:26:49 PM
Surr: 4-Bromofluorobenzene	90.2	39.1-146	%Rec	1	2/8/2024 6:26:49 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 7:11:13 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP49

**Project:** Keel B INJ
 Collection Date: 1/29/2024 3:00:00 PM

 **Lab ID:** 2402163-049
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 1:58:39 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 1:58:39 PM
Surr: DNOP	75.8	61.2-134	%Rec	1	2/7/2024 1:58:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 6:50:38 PM
Surr: BFB	104	15-244	%Rec	1	2/8/2024 6:50:38 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 6:50:38 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 6:50:38 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 6:50:38 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 6:50:38 PM
Surr: 4-Bromofluorobenzene	90.4	39.1-146	%Rec	1	2/8/2024 6:50:38 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 7:26:23 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP50

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 3:10:00 PM

 Lab ID:
 2402163-050
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/7/2024 2:22:49 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/7/2024 2:22:49 PM
Surr: DNOP	80.8	61.2-134	%Rec	1	2/7/2024 2:22:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 7:14:27 PM
Surr: BFB	102	15-244	%Rec	1	2/8/2024 7:14:27 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 7:14:27 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 7:14:27 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 7:14:27 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 7:14:27 PM
Surr: 4-Bromofluorobenzene	87.7	39.1-146	%Rec	1	2/8/2024 7:14:27 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 7:41:32 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 50 of 96

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP51

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 3:20:00 PM

 Lab ID:
 2402163-051
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 2:34:52 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 2:34:52 PM
Surr: DNOP	80.1	61.2-134	%Rec	1	2/7/2024 2:34:52 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 10:00:19 PM
Surr: BFB	100	15-244	%Rec	1	2/8/2024 10:00:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 10:00:19 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 10:00:19 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 10:00:19 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/8/2024 10:00:19 PM
Surr: 4-Bromofluorobenzene	87.5	39.1-146	%Rec	1	2/8/2024 10:00:19 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 7:56:40 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP52

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 3:30:00 PM

 Lab ID:
 2402163-052
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/7/2024 2:46:59 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 2:46:59 PM
Surr: DNOP	82.5	61.2-134	%Rec	1	2/7/2024 2:46:59 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 10:23:55 PM
Surr: BFB	97.1	15-244	%Rec	1	2/8/2024 10:23:55 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 10:23:55 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 10:23:55 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 10:23:55 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/8/2024 10:23:55 PM
Surr: 4-Bromofluorobenzene	85.7	39.1-146	%Rec	1	2/8/2024 10:23:55 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 8:11:51 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP53

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 3:40:00 PM

 Lab ID:
 2402163-053
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 2:59:20 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 2:59:20 PM
Surr: DNOP	76.5	61.2-134	%Rec	1	2/7/2024 2:59:20 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 10:47:25 PM
Surr: BFB	95.5	15-244	%Rec	1	2/8/2024 10:47:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 10:47:25 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 10:47:25 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 10:47:25 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 10:47:25 PM
Surr: 4-Bromofluorobenzene	84.6	39.1-146	%Rec	1	2/8/2024 10:47:25 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 8:27:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 53 of 96

Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP54

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:00:00 PM

 Lab ID:
 2402163-054
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 3:11:28 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 3:11:28 PM
Surr: DNOP	75.6	61.2-134	%Rec	1	2/7/2024 3:11:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 11:10:55 PM
Surr: BFB	93.9	15-244	%Rec	1	2/8/2024 11:10:55 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2024 11:10:55 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 11:10:55 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 11:10:55 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2024 11:10:55 PM
Surr: 4-Bromofluorobenzene	82.7	39.1-146	%Rec	1	2/8/2024 11:10:55 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 8:42:09 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP55

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:10:00 PM

 Lab ID:
 2402163-055
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 3:23:41 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 3:23:41 PM
Surr: DNOP	78.9	61.2-134	%Rec	1	2/7/2024 3:23:41 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/8/2024 11:34:21 PM
Surr: BFB	96.0	15-244	%Rec	1	2/8/2024 11:34:21 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 11:34:21 PM
Toluene	ND	0.049	mg/Kg	1	2/8/2024 11:34:21 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/8/2024 11:34:21 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/8/2024 11:34:21 PM
Surr: 4-Bromofluorobenzene	84.5	39.1-146	%Rec	1	2/8/2024 11:34:21 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 9:27:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP56

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:20:00 PM

 Lab ID:
 2402163-056
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 3:35:54 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 3:35:54 PM
Surr: DNOP	76.6	61.2-134	%Rec	1	2/7/2024 3:35:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2024 11:58:09 PM
Surr: BFB	94.1	15-244	%Rec	1	2/8/2024 11:58:09 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2024 11:58:09 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2024 11:58:09 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2024 11:58:09 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2024 11:58:09 PM
Surr: 4-Bromofluorobenzene	83.4	39.1-146	%Rec	1	2/8/2024 11:58:09 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 9:42:53 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP57

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:30:00 PM

 Lab ID:
 2402163-057
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 3:48:14 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 3:48:14 PM
Surr: DNOP	75.3	61.2-134	%Rec	1	2/7/2024 3:48:14 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 12:21:32 AM
Surr: BFB	94.4	15-244	%Rec	1	2/9/2024 12:21:32 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 12:21:32 AM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 12:21:32 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 12:21:32 AM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 12:21:32 AM
Surr: 4-Bromofluorobenzene	82.7	39.1-146	%Rec	1	2/9/2024 12:21:32 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 9:58:02 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP58

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:40:00 PM

 Lab ID:
 2402163-058
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/7/2024 4:00:31 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 4:00:31 PM
Surr: DNOP	76.1	61.2-134	%Rec	1	2/7/2024 4:00:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2024 12:45:12 AM
Surr: BFB	94.6	15-244	%Rec	1	2/9/2024 12:45:12 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 12:45:12 AM
Toluene	ND	0.048	mg/Kg	1	2/9/2024 12:45:12 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2024 12:45:12 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 12:45:12 AM
Surr: 4-Bromofluorobenzene	84.2	39.1-146	%Rec	1	2/9/2024 12:45:12 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 10:13:13 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP59

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 4:45:00 PM

 Lab ID:
 2402163-059
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/7/2024 4:12:46 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 4:12:46 PM
Surr: DNOP	78.3	61.2-134	%Rec	1	2/7/2024 4:12:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 1:08:37 AM
Surr: BFB	94.0	15-244	%Rec	1	2/9/2024 1:08:37 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 1:08:37 AM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 1:08:37 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 1:08:37 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 1:08:37 AM
Surr: 4-Bromofluorobenzene	83.2	39.1-146	%Rec	1	2/9/2024 1:08:37 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 10:28:21 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP60

**Project:** Keel B INJ
 Collection Date: 1/29/2024 4:50:00 PM

 **Lab ID:** 2402163-060
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/7/2024 4:25:00 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/7/2024 4:25:00 PM
Surr: DNOP	78.7	61.2-134	%Rec	1	2/7/2024 4:25:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2024 1:32:23 AM
Surr: BFB	97.2	15-244	%Rec	1	2/9/2024 1:32:23 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 1:32:23 AM
Toluene	ND	0.048	mg/Kg	1	2/9/2024 1:32:23 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2024 1:32:23 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/9/2024 1:32:23 AM
Surr: 4-Bromofluorobenzene	85.6	39.1-146	%Rec	1	2/9/2024 1:32:23 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 10:43:31 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP61

 Project:
 Keel B INJ
 Collection Date: 1/29/2024 5:00:00 PM

 Lab ID:
 2402163-061
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/7/2024 5:14:06 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/7/2024 5:14:06 PM
Surr: DNOP	79.1	61.2-134	%Rec	1	2/7/2024 5:14:06 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 1:07:56 PM
Surr: BFB	94.1	15-244	%Rec	1	2/9/2024 1:07:56 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 1:07:56 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 1:07:56 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 1:07:56 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 1:07:56 PM
Surr: 4-Bromofluorobenzene	83.8	39.1-146	%Rec	1	2/9/2024 1:07:56 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 10:20:48 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP62

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:00:00 AM

 Lab ID:
 2402163-062
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/7/2024 5:50:57 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/7/2024 5:50:57 PM
Surr: DNOP	75.5	61.2-134	%Rec	1	2/7/2024 5:50:57 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 1:31:35 PM
Surr: BFB	96.4	15-244	%Rec	1	2/9/2024 1:31:35 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 1:31:35 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 1:31:35 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 1:31:35 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 1:31:35 PM
Surr: 4-Bromofluorobenzene	85.0	39.1-146	%Rec	1	2/9/2024 1:31:35 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 11:06:16 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP63

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:10:00 AM

 Lab ID:
 2402163-063
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/7/2024 6:03:03 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 6:03:03 PM
Surr: DNOP	76.1	61.2-134	%Rec	1	2/7/2024 6:03:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 1:55:21 PM
Surr: BFB	98.0	15-244	%Rec	1	2/9/2024 1:55:21 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 1:55:21 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 1:55:21 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 1:55:21 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 1:55:21 PM
Surr: 4-Bromofluorobenzene	84.2	39.1-146	%Rec	1	2/9/2024 1:55:21 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 12:22:02 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP64

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:20:00 AM

 Lab ID:
 2402163-064
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/7/2024 6:15:08 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 6:15:08 PM
Surr: DNOP	78.6	61.2-134	%Rec	1	2/7/2024 6:15:08 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 2:19:10 PM
Surr: BFB	96.9	15-244	%Rec	1	2/9/2024 2:19:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 2:19:10 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 2:19:10 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 2:19:10 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 2:19:10 PM
Surr: 4-Bromofluorobenzene	85.4	39.1-146	%Rec	1	2/9/2024 2:19:10 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 12:37:11 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP65

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:30:00 AM

 Lab ID:
 2402163-065
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/7/2024 6:27:12 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 6:27:12 PM
Surr: DNOP	80.8	61.2-134	%Rec	1	2/7/2024 6:27:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 2:42:58 PM
Surr: BFB	99.4	15-244	%Rec	1	2/9/2024 2:42:58 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 2:42:58 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 2:42:58 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 2:42:58 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/9/2024 2:42:58 PM
Surr: 4-Bromofluorobenzene	86.9	39.1-146	%Rec	1	2/9/2024 2:42:58 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 12:52:21 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP66

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:40:00 AM

 Lab ID:
 2402163-066
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 6:39:13 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 6:39:13 PM
Surr: DNOP	78.5	61.2-134	%Rec	1	2/7/2024 6:39:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 3:06:47 PM
Surr: BFB	97.5	15-244	%Rec	1	2/9/2024 3:06:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 3:06:47 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 3:06:47 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 3:06:47 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 3:06:47 PM
Surr: 4-Bromofluorobenzene	85.7	39.1-146	%Rec	1	2/9/2024 3:06:47 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 1:07:30 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP67

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 7:50:00 AM

 Lab ID:
 2402163-067
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 6:51:17 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 6:51:17 PM
Surr: DNOP	80.9	61.2-134	%Rec	1	2/7/2024 6:51:17 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 3:30:37 PM
Surr: BFB	100	15-244	%Rec	1	2/9/2024 3:30:37 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 3:30:37 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 3:30:37 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 3:30:37 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 3:30:37 PM
Surr: 4-Bromofluorobenzene	86.1	39.1-146	%Rec	1	2/9/2024 3:30:37 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 1:22:40 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP68

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:00:00 AM

 Lab ID:
 2402163-068
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/7/2024 7:03:18 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 7:03:18 PM
Surr: DNOP	81.3	61.2-134	%Rec	1	2/7/2024 7:03:18 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 3:54:26 PM
Surr: BFB	102	15-244	%Rec	1	2/9/2024 3:54:26 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 3:54:26 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 3:54:26 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 3:54:26 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 3:54:26 PM
Surr: 4-Bromofluorobenzene	88.0	39.1-146	%Rec	1	2/9/2024 3:54:26 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 1:37:49 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP69

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:10:00 AM

 Lab ID:
 2402163-069
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.4	mg/Kg	1	2/7/2024 7:15:15 PM
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	2/7/2024 7:15:15 PM
Surr: DNOP	81.7	61.2-134	%Rec	1	2/7/2024 7:15:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 4:18:19 PM
Surr: BFB	105	15-244	%Rec	1	2/9/2024 4:18:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 4:18:19 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 4:18:19 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 4:18:19 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 4:18:19 PM
Surr: 4-Bromofluorobenzene	88.4	39.1-146	%Rec	1	2/9/2024 4:18:19 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 1:52:57 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP70

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:20:00 AM

 Lab ID:
 2402163-070
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 7:39:09 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2024 7:39:09 PM
Surr: DNOP	86.4	61.2-134	%Rec	1	2/7/2024 7:39:09 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 4:42:06 PM
Surr: BFB	103	15-244	%Rec	1	2/9/2024 4:42:06 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 4:42:06 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 4:42:06 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 4:42:06 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 4:42:06 PM
Surr: 4-Bromofluorobenzene	88.5	39.1-146	%Rec	1	2/9/2024 4:42:06 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 2:08:07 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP71

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:30:00 AM

 Lab ID:
 2402163-071
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/7/2024 7:51:03 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 7:51:03 PM
Surr: DNOP	84.8	61.2-134	%Rec	1	2/7/2024 7:51:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2024 5:29:32 PM
Surr: BFB	102	15-244	%Rec	1	2/9/2024 5:29:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 5:29:32 PM
Toluene	ND	0.048	mg/Kg	1	2/9/2024 5:29:32 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2024 5:29:32 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 5:29:32 PM
Surr: 4-Bromofluorobenzene	88.4	39.1-146	%Rec	1	2/9/2024 5:29:32 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 2:23:16 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP72

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:40:00 AM

 Lab ID:
 2402163-072
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	2/7/2024 8:02:59 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/7/2024 8:02:59 PM
Surr: DNOP	86.7	61.2-134	%Rec	1	2/7/2024 8:02:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 5:53:13 PM
Surr: BFB	99.9	15-244	%Rec	1	2/9/2024 5:53:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 5:53:13 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 5:53:13 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 5:53:13 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/9/2024 5:53:13 PM
Surr: 4-Bromofluorobenzene	86.5	39.1-146	%Rec	1	2/9/2024 5:53:13 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	2/8/2024 2:38:26 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP73

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 8:50:00 AM

 Lab ID:
 2402163-073
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/7/2024 8:14:54 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 8:14:54 PM
Surr: DNOP	84.6	61.2-134	%Rec	1	2/7/2024 8:14:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 6:16:51 PM
Surr: BFB	100	15-244	%Rec	1	2/9/2024 6:16:51 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 6:16:51 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 6:16:51 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 6:16:51 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 6:16:51 PM
Surr: 4-Bromofluorobenzene	86.3	39.1-146	%Rec	1	2/9/2024 6:16:51 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 3:23:52 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP74

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:00:00 AM

 Lab ID:
 2402163-074
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	2/7/2024 8:26:50 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	2/7/2024 8:26:50 PM
Surr: DNOP	86.9	61.2-134	%Rec	1	2/7/2024 8:26:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 6:40:32 PM
Surr: BFB	101	15-244	%Rec	1	2/9/2024 6:40:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 6:40:32 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 6:40:32 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 6:40:32 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/9/2024 6:40:32 PM
Surr: 4-Bromofluorobenzene	88.7	39.1-146	%Rec	1	2/9/2024 6:40:32 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 3:39:01 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP75

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:10:00 AM

 Lab ID:
 2402163-075
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 8:38:43 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 8:38:43 PM
Surr: DNOP	78.4	61.2-134	%Rec	1	2/7/2024 8:38:43 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2024 7:04:12 PM
Surr: BFB	97.8	15-244	%Rec	1	2/9/2024 7:04:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 7:04:12 PM
Toluene	ND	0.048	mg/Kg	1	2/9/2024 7:04:12 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2024 7:04:12 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 7:04:12 PM
Surr: 4-Bromofluorobenzene	85.8	39.1-146	%Rec	1	2/9/2024 7:04:12 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 3:54:10 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/19/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP76

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:20:00 AM

 Lab ID:
 2402163-076
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/7/2024 8:50:37 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 8:50:37 PM
Surr: DNOP	76.4	61.2-134	%Rec	1	2/7/2024 8:50:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/9/2024 7:27:47 PM
Surr: BFB	95.2	15-244	%Rec	1	2/9/2024 7:27:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 7:27:47 PM
Toluene	ND	0.048	mg/Kg	1	2/9/2024 7:27:47 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/9/2024 7:27:47 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 7:27:47 PM
Surr: 4-Bromofluorobenzene	84.0	39.1-146	%Rec	1	2/9/2024 7:27:47 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 4:09:20 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP77

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:30:00 AM

 Lab ID:
 2402163-077
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 9:02:33 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/7/2024 9:02:33 PM
Surr: DNOP	78.4	61.2-134	%Rec	1	2/7/2024 9:02:33 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 7:51:19 PM
Surr: BFB	97.8	15-244	%Rec	1	2/9/2024 7:51:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 7:51:19 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 7:51:19 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 7:51:19 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/9/2024 7:51:19 PM
Surr: 4-Bromofluorobenzene	86.3	39.1-146	%Rec	1	2/9/2024 7:51:19 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 4:24:30 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP78

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:40:00 AM

 Lab ID:
 2402163-078
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/7/2024 9:14:21 PM
Motor Oil Range Organics (MRO)	59	50	mg/Kg	1	2/7/2024 9:14:21 PM
Surr: DNOP	79.5	61.2-134	%Rec	1	2/7/2024 9:14:21 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 8:14:49 PM
Surr: BFB	95.7	15-244	%Rec	1	2/9/2024 8:14:49 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 8:14:49 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 8:14:49 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 8:14:49 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/9/2024 8:14:49 PM
Surr: 4-Bromofluorobenzene	83.7	39.1-146	%Rec	1	2/9/2024 8:14:49 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 4:39:39 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP79

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 9:50:00 AM

 Lab ID:
 2402163-079
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2024 9:26:10 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/7/2024 9:26:10 PM
Surr: DNOP	81.9	61.2-134	%Rec	1	2/7/2024 9:26:10 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/9/2024 8:38:28 PM
Surr: BFB	97.9	15-244	%Rec	1	2/9/2024 8:38:28 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/9/2024 8:38:28 PM
Toluene	ND	0.050	mg/Kg	1	2/9/2024 8:38:28 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/9/2024 8:38:28 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/9/2024 8:38:28 PM
Surr: 4-Bromofluorobenzene	86.1	39.1-146	%Rec	1	2/9/2024 8:38:28 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 4:54:50 PM

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

Qualifiers:

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

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP80

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 10:00:00 AM

 Lab ID:
 2402163-080
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/7/2024 9:37:56 PM
Motor Oil Range Organics (MRO)	49	46	mg/Kg	1	2/7/2024 9:37:56 PM
Surr: DNOP	81.6	61.2-134	%Rec	1	2/7/2024 9:37:56 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/9/2024 9:01:58 PM
Surr: BFB	94.8	15-244	%Rec	1	2/9/2024 9:01:58 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/9/2024 9:01:58 PM
Toluene	ND	0.049	mg/Kg	1	2/9/2024 9:01:58 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/9/2024 9:01:58 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/9/2024 9:01:58 PM
Surr: 4-Bromofluorobenzene	84.0	39.1-146	%Rec	1	2/9/2024 9:01:58 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	2/8/2024 5:09:59 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/19/2024

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP81

 Project:
 Keel B INJ
 Collection Date: 1/30/2024 10:10:00 AM

 Lab ID:
 2402163-081
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>JKU</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/5/2024 11:19:42 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/5/2024 11:19:42 PM
Surr: DNOP	80.6	61.2-134	%Rec	1	2/5/2024 11:19:42 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/6/2024 6:53:00 PM
Surr: BFB	106	15-244	%Rec	1	2/6/2024 6:53:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	2/6/2024 6:53:00 PM
Toluene	ND	0.047	mg/Kg	1	2/6/2024 6:53:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/6/2024 6:53:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/6/2024 6:53:00 PM
Surr: 4-Bromofluorobenzene	93.3	39.1-146	%Rec	1	2/6/2024 6:53:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 9:13:01 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: MB-80308 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 80308 RunNo: 102947

Prep Date: 2/7/2024 Analysis Date: 2/7/2024 SeqNo: 3804731 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-80308 SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSS Batch ID: 80308 RunNo: 102947 Prep Date: 2/7/2024 Analysis Date: 2/7/2024 SeqNo: 3804732 Units: mg/Kg **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual

Chloride 14 1.5 15.00 0 93.0 90 110

Sample ID: MB-80310 SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 80310 RunNo: 102955 Analysis Date: 2/7/2024 Prep Date: 2/7/2024 SeqNo: 3805145 Units: mg/Kg Result POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte I owl imit HighLimit

Chloride ND 1.5

 Sample ID:
 LCS-80310
 SampType:
 LCS
 TestCode:
 EPA Method 300.0:
 Anions

 Client ID:
 LCSS
 Batch ID:
 80310
 RunNo:
 102955

 Prep Date:
 2/7/2024
 Analysis Date:
 2/7/2024
 SeqNo:
 3805146
 Units:
 mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

Sample ID: MB-80337 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **80337** RunNo: **102978** 

Prep Date: 2/8/2024 Analysis Date: 2/8/2024 SeqNo: 3806005 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-80337 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 80337 RunNo: 102978

Prep Date: 2/8/2024 Analysis Date: 2/8/2024 SeqNo: 3806006 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride 14 1.5 15.00 0 96.3 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: MB-80338 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 80338 RunNo: 102985

Prep Date: 2/8/2024 Analysis Date: 2/8/2024 SeqNo: 3806410 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-80338 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 80338 RunNo: 102985

Prep Date: 2/8/2024 Analysis Date: 2/8/2024 SeqNo: 3806412 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 96.7 90 110

Sample ID: MB-80358 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 80358 RunNo: 103010

Prep Date: 2/9/2024 Analysis Date: 2/9/2024 SeqNo: 3807709 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-80358 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 80358 RunNo: 103010

Prep Date: 2/9/2024 Analysis Date: 2/9/2024 SeqNo: 3807710 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.4 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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Project: Keel B IN	Ŋ							
Sample ID: MB-80263	SampType: M	BLK	Tes	tCode: EPA Meth	hod 8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 80	263	F	RunNo: <b>102868</b>				
Prep Date: 2/5/2024	Analysis Date: 2	/5/2024	5	SeqNo: <b>3801375</b>	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowLi	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10							
Motor Oil Range Organics (MRO)	ND 50							
Surr: DNOP	8.6	10.00		85.9 6	31.2 134			
Sample ID: LCS-80263	SampType: L0	cs	Tes	tCode: EPA Meth	hod 8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 80	263	F	RunNo: <b>102868</b>				
Prep Date: 2/5/2024	Analysis Date: 2	/5/2024	;	SeqNo: <b>3801376</b>	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowLi	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42 10	50.00	0	84.3 5	59.7 135			
Surr: DNOP	4.4	5.000		88.0 6	61.2 134			
Sample ID: LCS-80279	SampType: L0	cs	Tes	tCode: EPA Meth	hod 8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 80	279	F	RunNo: <b>102906</b>				
Prep Date: 2/6/2024	Analysis Date: 2	/6/2024	5	SeqNo: <b>3802511</b>	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowLi	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48 10	50.00	0	96.9 5	9.7 135			
Surr: DNOP	4.6	5.000		92.2 6	31.2 134			
Sample ID: <b>MB-80279</b>	SampType: <b>M</b>	BLK	Tes	tCode: EPA Meth	hod 8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 80	279	F	RunNo: <b>102906</b>				
Prep Date: 2/6/2024	Analysis Date: 2	/6/2024	5	SeqNo: <b>3802517</b>	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowLi	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10							
Motor Oil Range Organics (MRO)	ND 50							
Surr: DNOP	9.0	10.00		89.8 6	61.2 134			
Sample ID: <b>2402163-020AMS</b>	SampType: M	s	Tes	tCode: EPA Meth	hod 8015M/D: Die	sel Range	Organics	
Client ID: SP20	Batch ID: 80	279	F	RunNo: <b>102906</b>				
Prep Date: 2/6/2024	Analysis Date: 2	/6/2024	;	SeqNo: <b>3802544</b>	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC LowLi	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36 9.8		0		13.7 136			<u>-</u>
Surr: DNOP	4.1	4.878		84.9 6	31.2 134			

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** *19-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel B INJ

Project:	Keel B IN	J									
Sample ID:	2402163-020AMSD	SampT	уре: МS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SP20	Batch	ID: <b>80</b> 2	279	F	RunNo: 10	02906				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	6/2024	5	SeqNo: 38	802545	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	40	9.8	49.07	0	80.6	43.7	136	8.34	31.3	
Surr: DNOP		3.9		4.907		78.5	61.2	134	0	0	
Sample ID:	MB-80280	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	PBS	Batch	ID: <b>80</b> 2	280	F	RunNo: 10	02906				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	6/2024	5	SeqNo: 38	802547	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	ND	10								
-	e Organics (MRO)	ND	50								
Surr: DNOP		7.7		10.00		76.6	61.2	134			
Sample ID:	LCS-80280	SampT	ype: <b>LC</b>	s	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	LCSS	Batch	ID: <b>80</b> 2	280	F	RunNo: 10	02906				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	6/2024	5	SeqNo: 38	802548	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	38	10	50.00	0	76.1	59.7	135			
Surr: DNOP		3.9		5.000		78.8	61.2	134			
Sample ID:	2402163-040AMS	SampT	уре: МS	<del></del>	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SP40	Batch	ID: <b>80</b> 2	280	F	RunNo: 10	02906				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	7/2024	5	SeqNo: 38	802570	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	36	9.3	46.69	0	76.1	43.7	136			
Surr: DNOP		3.8		4.669		81.6	61.2	134			
Sample ID:	2402163-040AMSD	SampT	уре: МS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SP40	Batch	ID: <b>80</b> 2	280	F	RunNo: 10	02906				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	7/2024	S	SeqNo: 38	802571	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	35	8.8	44.01	0	79.1	43.7	136	1.98	31.3	

#### Qualifiers:

Surr: DNOP

- 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

3.8

B Analyte detected in the associated Method Blank

86.9

61.2

134

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

4.401

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** *19-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel B INJ

Client ID: PBS Prep Date: 2/7/2024  Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP  Sample ID: LCS-80305 Client ID: LCSS Prep Date: 2/7/2024	Analysis Da Result ND ND 8.6 SampTy	PQL 10 50	7/2024		RunNo: 10 SeqNo: 38 %REC		Units: mg/K	<b>'g</b> %RPD	RPDLimit	Qual	
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP  Sample ID: LCS-80305 Client ID: LCSS	Result ND ND 8.6 SampTy	PQL 10 50	SPK value				Ū	•	RPDI imit	Oual	
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP  Sample ID: LCS-80305 Client ID: LCSS	ND ND 8.6 SampTy	10 50		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDI imit	Oual	
Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-80305 Client ID: LCSS	ND 8.6 SampTy	50	10.00							Quai	
Surr: DNOP  Sample ID: LCS-80305  Client ID: LCSS	8.6 SampTy		10.00								
Sample ID: LCS-80305 Client ID: LCSS	SampTy		10.00								
Client ID: LCSS					86.4	61.2	134				
	Batch	pe: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Prep Date: 2/7/2024		ID: <b>80</b> 3	305	F	RunNo: 10	02924					
	Analysis Da	ite: <b>2/</b>	7/2024	5	SeqNo: 38	803681	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	40	10	50.00	0	80.1	59.7	135		,		
Surr: DNOP	4.3		5.000		85.6	61.2	134				
Sample ID: <b>2402163-041AMS</b>	SampTy	ре: МS	3	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SP41	Batch	ID: <b>80</b> 3	305	F	RunNo: 10	02924					
Prep Date: 2/7/2024	Analysis Da	ite: <b>2/</b>	7/2024	5	SeqNo: 38	803683	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	38	9.6	47.80	0	79.8	43.7	136		,		
Surr: DNOP	4.2		4.780		88.3	61.2	134				
Sample ID: <b>2402163-041AMS</b> E	<b>)</b> SampTy	ре: МS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID: SP41	Batch	ID: <b>80</b> 3	305	F	RunNo: 10	02924					
Prep Date: 2/7/2024	Analysis Da	ate: <b>2/</b>	7/2024	5	SeqNo: 38	803684	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	42	9.4	47.21	0	89.5	43.7	136	10.3	31.3		
Sicoci range organico (Brao)			4.721		OF C	04.0	40:	_	_		
Surr: DNOP	4.1		4.721		85.9	61.2	134	0	0		

#### Qualifiers:

Client ID:

Prep Date:

Surr: DNOP

PBS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

2/7/2024

- 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

Batch ID: 80306

Analysis Date: 2/7/2024

Result

ND

ND

7.8

PQL

10

50

B Analyte detected in the associated Method Blank

RunNo: 102924

SeqNo: 3804374

77.6

LowLimit

61.2

Units: mg/Kg

134

HighLimit

%RPD

**RPDLimit** 

Qual

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

SPK value SPK Ref Val %REC

10.00

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#### Hall Environmental Analysis Laboratory, Inc.

3.7

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Surr: DNOP

Sample ID: LCS-80306	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	n ID: <b>80</b> 3	306	F						
Prep Date: 2/7/2024	Analysis D	ate: <b>2/</b>	7/2024	SeqNo: <b>3804376</b> Units: <b>mg/k</b>				(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	77.6	59.7	135			
Surr: DNOP	3.8		5.000		75.6	61.2	134			
Sample ID: <b>2402163-061AMS</b>	SampT	ype: <b>MS</b>	;	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: SP61	Batch	n ID: <b>80</b> 3	306	F	RunNo: 10	02924				
Prep Date: 2/7/2024	Analysis D	ate: <b>2/</b>	7/2024	5	SeqNo: 38	304379	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.4	47.21	0	78.3	43.7	136			

Sample ID:	2402163-061AMSD	SampT	ype: MS	D	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	SP61	Batch	1D: <b>80</b> 3	806	F	RunNo: 10	02924				
Prep Date: <b>2/7/2024</b> Analysis Date: <b>2/7/2024</b>					SeqNo: <b>3804380</b>			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	Organics (DRO)	35	9.2	45.83	0	76.4	43.7	136	5.44	31.3	
Surr: DNOP		3.8		4.583		82.0	61.2	134	0	0	

78.0

61.2

134

4.721

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: Ics-80251	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch	n ID: <b>80</b> 2	251	F	RunNo: 10	02909				
Prep Date: 2/5/2024	Analysis D	Date: <b>2/</b>	6/2024	5	SeqNo: 38	802641	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	70	130			
Surr: BFB	2300		1000		225	15	244			
Sample ID: mb-80251	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	)	
Client ID: PBS	Batch	n ID: <b>80</b> 2	251	F	RunNo: 10	02909				
Prep Date: 2/5/2024	Analysis D	Date: 2/	6/2024	5	SeqNo: 38	802642	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			
Sample ID: <b>2402163-021ams</b>	Samp1	уре: М	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
	5	n ID: <b>80</b> 2	273	F	RunNo: 10	02936				
Client ID: SP21	Batch	110. 002	213	-						
Client ID: <b>SP21</b> Prep Date: <b>2/6/2024</b>	Batci Analysis D		-		SeqNo: 38	304475	Units: mg/k	(g		
			-	5		304475 LowLimit	Units: mg/k	<b>(g</b> %RPD	RPDLimit	Qual
Prep Date: 2/6/2024 Analyte	Analysis D	Date: <b>2/</b>	8/2024	5	SeqNo: 38		J	ŭ	RPDLimit	Qual
Prep Date: 2/6/2024 Analyte	Analysis D	PQL	8/2024 SPK value	SPK Ref Val	SeqNo: <b>38</b> %REC	LowLimit	HighLimit	ŭ	RPDLimit	Qual
Prep Date: 2/6/2024  Analyte  Gasoline Range Organics (GRO)	Analysis E Result 25 2100	PQL	SPK value 24.93 997.0	SPK Ref Val 0	SeqNo: <b>38</b> %REC 101 208	LowLimit 70 15	HighLimit	%RPD		Qual
Prep Date: 2/6/2024  Analyte  Gasoline Range Organics (GRO)  Surr: BFB	Analysis D Result 25 2100 Samp1	PQL 5.0	SPK value 24.93 997.0	SPK Ref Val 0	SeqNo: <b>38</b> %REC 101 208	LowLimit 70 15 PA Method	HighLimit 130 244	%RPD		Qual
Prep Date: 2/6/2024  Analyte Gasoline Range Organics (GRO) Surr: BFB  Sample ID: 2402163-021amsd	Analysis D Result 25 2100 Samp1	PQL 5.0 5.0 Type: <b>MS</b>	SPK value 24.93 997.0 6D 273	SPK Ref Val 0 Tes	SeqNo: 36 %REC 101 208 tCode: <b>EF</b>	LowLimit 70 15 PA Method 02936	HighLimit 130 244	%RPD		Qual
Prep Date: 2/6/2024  Analyte Gasoline Range Organics (GRO) Surr: BFB  Sample ID: 2402163-021amsd Client ID: SP21	Analysis D Result 25 2100 Samp1 Batcl	PQL 5.0 5.0 Type: <b>MS</b>	SPK value 24.93 997.0 6D 273 8/2024	SPK Ref Val 0 Tes	%REC 101 208 tCode: ER	LowLimit 70 15 PA Method 02936	HighLimit 130 244  8015D: Gaso	%RPD		Qual
Prep Date: 2/6/2024  Analyte  Gasoline Range Organics (GRO)  Surr: BFB  Sample ID: 2402163-021amsd  Client ID: SP21  Prep Date: 2/6/2024	Analysis E Result 25 2100 Samp1 Batcl Analysis E	PQL 5.0 Type: MS on ID: 802 Date: 2/2	SPK value 24.93 997.0 6D 273 8/2024	SPK Ref Val 0 Tes	%REC 101 208 tCode: EF RunNo: 16	LowLimit 70 15 PA Method 02936 804476	HighLimit 130 244  8015D: Gaso Units: mg/k	%RPD	,	

Sample ID: Ics-80273	SampT	ype: LC	s	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch	n ID: <b>802</b>	273	F	RunNo: 10							
Prep Date: 2/6/2024	Analysis D	)ate: <b>2/</b> 7	7/2024	9	SeqNo: 38	304516	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130					
Surr: BFB	2100		1000		210	15	244					

Sample ID: <b>mb-80273</b>	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range
Client ID: PBS	Batch ID: 80273	RunNo: 102936	
Prep Date: 2/6/2024	Analysis Date: 2/7/2024	SeqNo: <b>3804517</b>	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Prep Date: 2/6/2024 Analysis Date: 2/8/2024 SeqNo: 3805767 Units: mg/Kg	Project:	Keel B IN	J									
Prep Date:	Sample ID:	mb-80273	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	,	
Analyte	Client ID:	PBS	Batch	ID: <b>80</b> 2	273	F	RunNo: 10	02936				
Sample ID:   Los-80267   SampType:   Los   SampType:   Los   TestCode:   EPA Method 8015D:   Gasoline Range   Cipanics (GRO)   SampType:   Los   SampType:   Sam	Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b>	7/2024	5	SeqNo: 38	304517	Units: mg/k	<b>(</b> g		
Sumple   D    Les-80267   SampType: LCS   SampType: LCS   TestCode: EPA Method 8015D: Gasoline Range   Prep Date: 2/5/2024   Analysis Date: 2/7/2024   SeqNo: 3804805   Units: mg/Kg	Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Client ID:   LCSS   Batch   ID:   80267   Runho:   102949	_	e Organics (GRO)		5.0								
Client ID:   LCSS	Surr: BFB		950		1000		95.0	15	244			
Prep Date: 2/5/2024	Sample ID:	lcs-80267	SampT	ype: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Analyte	Client ID:	LCSS	Batch	ID: <b>80</b> 2	267	F	RunNo: 10	02949				
Sample   D:   Mb-80267   SampType:   MBLK   TestCode:   EPA Method 8015D:   Gasoline Range   Client   D:   PBS   Batch   D:   80267   RunNo:   102949     Prep Date:   2/5/2024   Analysis Date:   2/7/2024   SeqNo:   3804806   Units:   mg/Kg     Analyte   Result   PQL   SPK value   SPK Ref Val   %REC   LowLimit   HighLimit   %RPD   RPDLimit   Qual     Sample   D:   2402163-001ams   SampType:   MS   SPK Ref Val   %REC   LowLimit   HighLimit   %RPD   RPDLimit   Qual     Sample   D:   2402163-001ams   SampType:   MS   SPK Ref Val   %REC   LowLimit   HighLimit   %RPD   RPDLimit   Qual     Sample   D:   2402163-001ams   SampType:   MS   TestCode:   EPA Method 8015D:   Gasoline Range	Prep Date:	2/5/2024	Analysis D	ate: <b>2/</b>	7/2024	5	SeqNo: 38	304805	Units: mg/k	<b>(</b> g		
Sumple   D: mb-80267   SampType:   MBLK   TestCode:   EPA   Method   8015D: Gasoline   Range	Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample   D:   mb-80267   SampType:   MBLK   TestCode:   EPA   Method   8015D:   Gasoline   Range	_	e Organics (GRO)		5.0		0						
PBS	Surr: BFB		2100		1000		215	15	244			
Prep Date:         2/5/2024         Analysis Date:         2/7/2024         SeqNo:         3804806         Units:         mg/kg           Analyste         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Jacoline Range Organics (GRO)         ND         5.0         1100         105         15         244	Sample ID:	mb-80267	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual  3asoline Range Organics (GRO) ND 5.0 Surr: BFB 1100 1000 105 15 244  Sample ID: 2402163-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: SP1 Batch ID: 80267 RunNo: 102949  Prep Date: 2/5/2024 Analysis Date: 2/7/2024 SeqNo: 3804808 Units: mg/Kg  Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 3asoline Range Organics (GRO) 23 4.7 23.70 0 97.1 70 130 Surr: BFB 2100 947.9 219 15 244  Sample ID: 2402163-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: SP1 Batch ID: 80267 RunNo: 102949  Prep Date: 2/5/2024 Analysis Date: 2/7/2024 SeqNo: 3804809 Units: mg/Kg  Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 3asoline Range Organics (GRO) 23 4.8 23.88 0 94.4 70 130 2.04 20 Surr: BFB 2100 955.1 219 15 244 0 0 0  Sample ID: Ics-80278 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 80278 RunNo: 102975  Prep Date: 2/6/2024 Analysis Date: 2/8/2024 SeqNo: 3805767 Units: mg/Kg	Client ID:	PBS	Batch	ID: <b>80</b> 2	267	F	RunNo: 10	02949				
Sample   ID:   2402163-001ams   SampType:   MS   SampType:   MS   Sequence   Sequence	Prep Date:	2/5/2024	Analysis D	ate: <b>2/</b>	7/2024	Ş	SeqNo: 38	304806	Units: mg/Kg			
Sum: BFB         1100         1000         105         15         244           Sample ID: 2402163-001ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: SP1         Batch ID: 80267         RunNo: 102949           Prep Date: 2/5/2024         Analysis Date: 2/7/2024         SeqNo: 3804808         Units: mg/Kg           Analyte         Result         PQL         SPK Neif Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Sample ID: 2402163-001amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: Sp1         Batch ID: 80267         RunNo: 102949         Units: mg/Kg           Analyte         Result         PPC         SPK National Range         Client ID: Result         PPC         SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: LCSS         Batch ID: 80278         TestCode: EPA Method 8015D: Gasoline Range           <	Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: 2402163-001ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: SP1         Batch ID: 80267         RunNo: 102949           Prep Date: 2/5/2024         Analysis Date: 2/1/2024         SPK value SPK Ref Val	_	e Organics (GRO)		5.0	4000		405	4.5	044			
Client ID: SP1	Surr: BFB		1100		1000		105	15	244			
Prep Date:         2/5/2024         Analysis Date:         2/7/2024         SeqNo:         3804808         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Gasoline Range Organics (GRO)         23         4.7         23.70         0         97.1         70         130         244         130	Sample ID:	2402163-001ams	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 23 4.7 23.70 0 97.1 70 130 244	Client ID:	SP1	Batch	ID: <b>80</b> 2	267	F	RunNo: 10	02949				
Sample   Dr.   2402163-001amsd   SampType:   MSD   TestCode:   EPA Method 8015D:   Gasoline Range	Prep Date:	2/5/2024	Analysis D	ate: <b>2/</b>	7/2024	9	SeqNo: 38	804808	Units: mg/k	(g		
Surr: BFB         2100         947.9         219         15         244           Sample ID: 2402163-001amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range           Client ID: SP1         Batch ID: 80267         RunNo: 102949           Prep Date: 2/5/2024         Analysis Date: 2/7/2024         SeqNo: 3804809         Units: mg/Kg           Analyte         Result PQL SPK value SPK Ref Val WREC LowLimit HighLimit WRPD RPDLimit Qual Gasoline Range Organics (GRO)         23         4.8         23.88         0         94.4         70         130         2.04         20           Surr: BFB         2100         955.1         219         15         244         0         0           Sample ID: Ics-80278         SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: LCSS         Batch ID: 80278         RunNo: 102975           Prep Date: 2/6/2024         Analysis Date: 2/8/2024         SeqNo: 3805767         Units: mg/Kg	Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:         2402163-001amsd         SampType:         MSD         TestCode:         EPA Method         8015D:         Gasoline Range           Client ID:         SP1         Batch ID:         80267         RunNo:         102949           Prep Date:         2/5/2024         Analysis Date:         2/1/2024         SeqNo:         3804809         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Gasoline Range Organics (GRO)         23         4.8         23.88         0         94.4         70         130         2.04         20           Surr: BFB         2100         955.1         TestCode:         EPA Method         8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         80278         RunNo:         102975           Prep Date:         2/6/2024         Analysis Date:         2/8/2024         SeqNo:         3805767         Units:         mg/Kg	_	e Organics (GRO)		4.7		0						
Client ID:         SP1         Batch ID:         80267         RunNo:         102949           Prep Date:         2/5/2024         Analysis Date:         2/7/2024         SeqNo:         3804809         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Gasoline Range Organics (GRO)         23         4.8         23.88         0         94.4         70         130         2.04         20           Surr: BFB         2100         955.1         219         15         244         0         0         0           Sample ID:         Ics-80278         SampType:         LCS         TestCode:         EPA Method         8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         80278         RunNo:         102975           Prep Date:         2/6/2024         Analysis Date:         2/8/2024         SeqNo:         3805767         Units:         mg/Kg	Surr: BFB		2100		947.9		219	15	244			
Prep Date:         2/5/2024         Analysis Date:         2/7/2024         SeqNo:         3804809         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Gasoline Range Organics (GRO)         23         4.8         23.88         0         94.4         70         130         2.04         20           Surr: BFB         2100         955.1         219         15         244         0         0           Sample ID:         Ics-80278         SampType:         LCS         TestCode:         EPA Method         8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         80278         RunNo:         102975           Prep Date:         2/6/2024         Analysis Date:         2/8/2024         SeqNo:         3805767         Units:         mg/Kg	Sample ID:	2402163-001amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual           Gasoline Range Organics (GRO)         23         4.8         23.88         0         94.4         70         130         2.04         20           Surr: BFB         2100         955.1         219         15         244         0         0           Sample ID: Ics-80278         SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: LCSS         Batch ID: 80278         RunNo: 102975           Prep Date: 2/6/2024         Analysis Date: 2/8/2024         SeqNo: 3805767         Units: mg/Kg	Client ID:	SP1	Batch	ID: <b>80</b> 2	267	F	RunNo: 10	02949				
Gasoline Range Organics (GRO)       23       4.8       23.88       0       94.4       70       130       2.04       20         Surr: BFB       2100       955.1       219       15       244       0       0         Sample ID: Ics-80278       SampType: LCS       TestCode: EPA Method 8015D: Gasoline Range         Client ID: LCSS       Batch ID: 80278       RunNo: 102975         Prep Date: 2/6/2024       Analysis Date: 2/8/2024       SeqNo: 3805767       Units: mg/Kg	Prep Date:	2/5/2024	Analysis D	ate: <b>2/</b>	7/2024	5	SeqNo: 38	804809	Units: mg/k	(g		
Surr: BFB         2100         955.1         219         15         244         0         0           Sample ID: Ics-80278         SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: LCSS         Batch ID: 80278         RunNo: 102975           Prep Date: 2/6/2024         Analysis Date: 2/8/2024         SeqNo: 3805767         Units: mg/Kg			Result			SPK Ref Val	%REC					Qual
Sample ID:         Ics-80278         SampType:         LCS         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         80278         RunNo:         102975           Prep Date:         2/6/2024         Analysis Date:         2/8/2024         SeqNo:         3805767         Units:         mg/Kg		e Organics (GRO)		4.8		0						
Client ID:         LCSS         Batch ID:         80278         RunNo:         102975           Prep Date:         2/6/2024         Analysis Date:         2/8/2024         SeqNo:         3805767         Units:         mg/Kg	Surr: BFB		2100		955.1		219	15	244	0	0	
Prep Date: 2/6/2024 Analysis Date: 2/8/2024 SeqNo: 3805767 Units: mg/Kg	Sample ID:	lcs-80278	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
	Client ID:	LCSS	Batch	ID: <b>80</b> 2	278	F	RunNo: 10	02975				
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 8	8/2024	\$	SeqNo: 38	805767	Units: mg/k	(g		
	Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Project:	Keel B IN	J									
Sample ID: Ic	:s-80278	SampT	ype: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: Lo	css	Batch	ID: <b>80</b> 2	278	F	RunNo: 10	02975				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 8	8/2024	5	SeqNo: 38	805767	Units: mg/k	<b>(</b> g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	28	5.0	25.00	0	110	70	130			
Surr: BFB		2100		1000		211	15	244			
Sample ID: m	nb-80278	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
Client ID: P	BS	Batch	ID: <b>80</b> 2	278	F	RunNo: 10	02975				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 3	8/2024	S	SeqNo: 38	805768	Units: mg/k	<b>(</b> g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		103	15	244			
Sample ID: 24	402163-041ams	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: S	P41	Batch	ID: <b>80</b> 2	278	F	RunNo: 10	02975				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 8	8/2024	Ş	SeqNo: 38	805781	Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	26	5.0	24.98	0	105	70	130			
Surr: BFB		2200		999.0		224	15	244			
Sample ID: 24	402163-041amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: S	P41	Batch	ID: <b>80</b> 2	278	F	RunNo: 10	02975				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 8	8/2024	Ş	SeqNo: 38	805782	Units: mg/k	<b>(</b> g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	26	4.9	24.70	0	105	70	130	1.51	20	
Surr: BFB		2100		988.1		216	15	244	0	0	
Sample ID: Ic	:s-80286	SampT	ype: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	•	
Client ID: L	CSS	Batch	ID: <b>80</b> 2	286	F	RunNo: 10	02999				
Prep Date:	2/6/2024	Analysis D	ate: <b>2/</b> 9	9/2024	5	SeqNo: 38	807562	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	28	5.0	25.00	0	110	70	130			
Surr: BFB		2100		1000		215	15	244			
Sample ID: Ic	:s-80341	SampT	ype: <b>LC</b>	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	,	
Client ID: Lo	CSS	Batch	ID: <b>80</b> 3	341	F	RunNo: 10	02999				
Prep Date:	2/8/2024	Analysis D	ate: <b>2/</b> 9	9/2024	5	SeqNo: 38	807563	Units: %Re	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

2100

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: Ics-80341 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 80341 RunNo: 102999 Prep Date: 2/8/2024 Analysis Date: 2/9/2024 SeqNo: 3807563 Units: %Rec SPK Ref Val %RPD **RPDLimit** Analyte Result PQL SPK value %REC LowLimit HighLimit Qual

Surr: BFB 2100 1000 206 15 244

Sample ID: mb-80286 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 80286 RunNo: 102999 Prep Date: 2/6/2024 Analysis Date: 2/9/2024 SeqNo: 3807564 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 960 1000 96.3 15 244

Sample ID: mb-80341 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range PBS Batch ID: 80341 Client ID: RunNo: 102999 Analysis Date: 2/9/2024 Prep Date: 2/8/2024 SeqNo: 3807565 Units: %Rec PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 1000 Surr: BFB 950 95.0 15 244

Sample ID: 2402163-061ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: **SP61** Batch ID: 80286 RunNo: 102999 Prep Date: 2/6/2024 Analysis Date: 2/9/2024 SeqNo: 3807567 Units: mg/Kg %REC %RPD Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 24.93 0 101 70 130

214

15

244

997.0

Sample ID: 2402163-061amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: 80286 RunNo: 102999 SP61 Prep Date: Analysis Date: 2/9/2024 2/6/2024 SeqNo: 3807568 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 24.83 Gasoline Range Organics (GRO) 25 5.0 0 102 70 130 0.585 20 Surr: BFB 2100 993.0 210 15 244 0 0

#### Qualifiers:

Surr: BFB

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** *19-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: Ics-80251	SampT	ype: <b>LC</b> :	s	Tes	tCode: EF	les						
Client ID: LCSS	Batch	n ID: <b>802</b>	251	F	RunNo: 10							
Prep Date: 2/5/2024	Analysis D	Date: <b>2/6</b>	6/2024	5	SeqNo: 38	303001	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.89	0.025	1.000	0	89.4	70	130					
Toluene	0.89	0.050	1.000	0	89.4	70	130					
Ethylbenzene	0.91	0.050	1.000	0	90.7	70	130					
Xylenes, Total	2.7	0.10	3.000	0	91.1	70	130					
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	39.1	146					

Sample ID: <b>mb-80251</b>	SampT	уре: МЕ	BLK	Tes	tCode: EF					
Client ID: PBS	Batch	n ID: <b>80</b> 2	251	F	RunNo: 10					
Prep Date: <b>2/5/2024</b>	Analysis D	Date: <b>2/</b> 0	6/2024	5	SeqNo: 38	303002	Units: mg/K			
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	0.94		1.000		94.1	39.1	146			

Sample ID: <b>2402163-022ams</b>	Samp	уре: МЅ	;	Tes	tCode: EF						
Client ID: SP22	Batcl	n ID: <b>802</b>	273	F	RunNo: 10						
Prep Date: 2/6/2024	Analysis [	Date: <b>2/8</b>	3/2024	9	SeqNo: 38	304501	01 Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.89	0.025	0.9980	0	89.2	70	130				
Toluene	0.91	0.050	0.9980	0	91.7	70	130				
Ethylbenzene	0.94	0.050	0.9980	0	93.8	70	130				
Xylenes, Total	2.8	0.10	2.994	0	94.2	70	130				
Surr: 4-Bromofluorobenzene	0.84		0.9980		84.2	39.1	146				

Sample ID: <b>2402163-022amsd</b>	SampType: MSD TestCode: EPA Method 8021B: Volatiles									
Client ID: SP22	Batch	1D: <b>802</b>	273	F	RunNo: 10					
Prep Date: <b>2/6/2024</b>	Analysis D	llysis Date: <b>2/8/2024</b> SeqNo: <b>3804502</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9862	0	92.5	70	130	2.44	20	
Toluene	0.94	0.049	0.9862	0	95.2	70	130	2.53	20	
Ethylbenzene	0.95	0.049	0.9862	0	95.9	70	130	1.04	20	
Xylenes, Total	2.8	0.099	2.959	0	95.6	70	130	0.215	20	
Surr: 4-Bromofluorobenzene	0.84		0.9862		85.3	39.1	146	0	0	

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** *19-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: LCS-80273	Samp	Гуре: <b>LC</b> :	S	Tes	iles								
Client ID: LCSS	Batcl	h ID: <b>802</b>	273	F	RunNo: 10								
Prep Date: 2/6/2024	Analysis D	Date: <b>2/</b> 7	7/2024	5	SeqNo: 3	304518	Units: mg/K	its: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.86	0.025	1.000	0	85.6	70	130						
Toluene	0.86	0.050	1.000	0	85.7	70	130						
Ethylbenzene	0.87	0.050	1.000	0	86.8	70	130						
Xylenes, Total	2.6	0.10	3.000	0	87.6	70	130						
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	39.1	146						

Sample ID: <b>mb-80273</b>	Samp	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	n ID: <b>80</b> 2	273	F	RunNo: 10					
Prep Date: 2/6/2024	Analysis [	Date: <b>2/</b> 7	7/2024	5	SeqNo: 38	304519	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025		<u> </u>		<u> </u>		<u> </u>		
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.0	39.1	146			

Sample ID: Ics-80267	Samp <sup>-</sup>	Type: LC	S	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batc	h ID: <b>802</b>	267	F	RunNo: 10							
Prep Date: 2/5/2024	Analysis [	Date: <b>2/</b> 7	7/2024	5	SeqNo: 38	304872	72 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.92	0.025	1.000	0	92.2	70	130					
Toluene	0.93	0.050	1.000	0	92.9	70	130					
Ethylbenzene	0.95	0.050	1.000	0	94.7	70	130					
Xylenes, Total	2.9	0.10	3.000	0	95.1	70	130					
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	39.1	146					

Sample ID: <b>mb-80267</b>	Samp <sup>-</sup>	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	Batch ID: 80267			RunNo: 102949						
Prep Date: 2/5/2024	Analysis [	Date: <b>2/</b>	7/2024	SeqNo: <b>3804873</b>			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	39.1	146				

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: <b>2402163-002ams</b>	Samp	SampType: MS			tCode: EF					
Client ID: SP2	Batch ID: 80267			F	RunNo: 10					
Prep Date: 2/5/2024	Analysis Date: 2/7/2024			SeqNo: 3804876			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.023	0.9390	0	93.4	70	130			
Toluene	0.89	0.047	0.9390	0	94.5	70	130			
Ethylbenzene	0.91	0.047	0.9390	0	97.4	70	130			
Xylenes, Total	2.8	0.094	2.817	0	97.8	70	130			
Surr: 4-Bromofluorobenzene	0.93		0.9390		99.3	39.1	146			

Sample ID: <b>2402163-002amsd</b>	SampT	SampType: MSD			TestCode: EPA Method 8021B: Volatiles					
Client ID: SP2	Batch	Batch ID: 80267			RunNo: 10					
Prep Date: 2/5/2024	Analysis Date: 2/7/2024			SeqNo: 3804877 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9452	0	92.4	70	130	0.377	20	
Toluene	0.89	0.047	0.9452	0	94.2	70	130	0.399	20	
Ethylbenzene	0.91	0.047	0.9452	0	96.3	70	130	0.476	20	
Xylenes, Total	2.7	0.095	2.836	0	96.7	70	130	0.497	20	
Surr: 4-Bromofluorobenzene	0.93		0.9452		98.7	39.1	146	0	0	

Sample ID: LCS-80278	Samp	SampType: LCS			tCode: El					
Client ID: LCSS	Batcl	Batch ID: 80278			RunNo: 10					
Prep Date: 2/6/2024	Analysis Date: 2/8/2024			SeqNo: <b>3805807</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.6	70	130			
Toluene	0.87	0.050	1.000	0	86.9	70	130			
Ethylbenzene	0.88	0.050	1.000	0	88.0	70	130			
Xylenes, Total	2.7	0.10	3.000	0	88.9	70	130			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.7	39.1	146			

Sample ID: <b>mb-80278</b>	SampT	SampType: MBLK			tCode: EF					
Client ID: PBS	Batch ID: 80278			F	RunNo: 102975					
Prep Date: 2/6/2024	Analysis Date: 2/8/2024			SeqNo: <b>3805808</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		83.3	39.1	146			

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163** 

19-Feb-24

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: 2402163-042ams	SampT	SampType: MS			tCode: EF						
Client ID: SP42	Batch	Batch ID: 80278			RunNo: 10						
Prep Date: 2/6/2024	Analysis D	Analysis Date: <b>2/8/2024</b>			SeqNo: 38	305822	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.85	0.025	0.9891	0	85.7	70	130				
Toluene	0.89	0.049	0.9891	0	89.7	70	130				
Ethylbenzene	0.91	0.049	0.9891	0	91.7	70	130				
Xylenes, Total	2.7	0.099	2.967	0	92.2	70	130				
Surr: 4-Bromofluorobenzene	0.87		0.9891		88.3	39.1	146				
Sample ID: <b>2402163-042amsd</b>	SampT	ype: MS	SD .	Tes	tCode: EF	PA Method	8021B: Volati	iles	<u>'</u>	<u>'</u>	

Sample ID: <b>2402163-042amsd</b>	SampT	SampType: MSD			TestCode: EPA Method 8021B: Volatiles					
Client ID: SP42	Batch	Batch ID: 80278			RunNo: 10					
Prep Date: 2/6/2024	Analysis Date: 2/8/2024			SeqNo: 3805823 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	0.9990	0	85.0	70	130	0.186	20	
Toluene	0.89	0.050	0.9990	0	88.6	70	130	0.206	20	
Ethylbenzene	0.91	0.050	0.9990	0	91.1	70	130	0.381	20	
Xylenes, Total	2.8	0.10	2.997	0	92.4	70	130	1.28	20	
Surr: 4-Bromofluorobenzene	0.88		0.9990		87.8	39.1	146	0	0	

Sample ID: LCS-80286	Samp	SampType: <b>LCS</b>			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 80286			F	RunNo: 10						
Prep Date: 2/6/2024	Analysis Date: <b>2/9/2024</b>			SeqNo: 3807615 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.83	0.025	1.000	0	83.4	70	130				
Toluene	0.85	0.050	1.000	0	85.4	70	130				
Ethylbenzene	0.86	0.050	1.000	0	86.0	70	130				
Xylenes, Total	2.6	0.10	3.000	0	86.2	70	130				
Surr: 4-Bromofluorobenzene	0.87		1.000		86.5	39.1	146				

Sample ID: LCS-80341	SampType: <b>LCS</b>			Tes						
Client ID: LCSS	Batch ID: 80341			F	RunNo: 102999					
Prep Date: 2/8/2024	Analysis Date: 2/9/2024			SeqNo: <b>3807616</b> Unit			Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Curry 1 Promofluorobonzono	0.86		1 000		96.4	20.1	1/16			

Sample ID: mb-80286	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles	
Client ID: PBS	Batch ID: 80286	RunNo: 102999	
Prep Date: 2/6/2024	Analysis Date: 2/9/2024	SeqNo: 3807617 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402163 19-Feb-24** 

Client: LH Operating, LLC

**Project:** Keel B INJ

Sample ID: mb-80286 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: **PBS** Batch ID: 80286 RunNo: 102999 Prep Date: 2/6/2024 Analysis Date: 2/9/2024 SeqNo: 3807617 Units: mq/Kq SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result **PQL** %REC LowLimit HighLimit Qual Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.85 1.000 85.2 39.1 146

Sample ID: mb-80341 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: **PBS** Batch ID: 80341 RunNo: 102999 Analysis Date: 2/9/2024 SeaNo: 3807618 Prep Date: 2/8/2024 Units: %Rec PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit 1.000 39.1 Surr: 4-Bromofluorobenzene 0.84 83.7 146

Sample ID: 2402163-062ams TestCode: EPA Method 8021B: Volatiles SampType: MS Client ID: SP62 Batch ID: 80286 RunNo: 102999 Prep Date: 2/6/2024 Analysis Date: 2/9/2024 SeqNo: 3807621 Units: mg/Kg LowLimit %RPD Result PQL SPK value SPK Ref Val %REC HighLimit **RPDLimit** Qual Analyte 0.83 0.025 0.9940 0 83.5 70 130 Renzene Toluene 0.86 0.050 0.9940 0 86.4 70 130 0 88.3 70 Ethylbenzene 0.88 0.050 0.9940 130 Xylenes, Total 2.6 0.099 2.982 0 88.2 70 130 Surr: 4-Bromofluorobenzene 0.85 0.9940 85.9 146 39.1

Sample ID: 2402163-062amsd TestCode: EPA Method 8021B: Volatiles SampType: MSD Client ID: SP62 Batch ID: 80286 RunNo: 102999 Prep Date: 2/6/2024 Analysis Date: 2/9/2024 SeqNo: 3807622 Units: mg/Kg POL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Benzene 0.85 0.025 0.9921 0 86.0 70 130 2.83 20 0 Toluene 0.89 0.050 0.9921 89.3 70 130 3.19 20 Ethylbenzene 0.89 0.050 0.9921 0 90.0 70 130 1.73 20 Xylenes, Total 2.7 0.099 2.976 0 90.0 70 130 1.81 20 Surr: 4-Bromofluorobenzene 0.86 0.9921 87.0 39.1 146 0 0

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 96 of 96



## Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Sample Log-In Check List

Released to Imaging: 5/29/2024 1:22:42 PM

		Website: www.h	allenviro	onmental.com			
Client Name:	LH Operating, LLC	Work Order Number	: 2402	163		RcptNo	: 1
Received By:	Tracy Casarrubias	2/3/2024 9:40:00 AM					
Completed By:	Tracy Casarrubias	2/3/2024 10:21:26 AN	١				
Reviewed By:	Lin	2/5/24					
Chain of Cus	<u>tody</u>						
1. Is Chain of Cu	ustody complete?		Yes	<b>V</b>	No 🗌	Not Present	
2. How was the	sample delivered?		<u>Couri</u>	<u>er</u>			
<u>Log In</u> 3. Was an attern	npt made to cool the sample	es?	Yes	<b>V</b>	No 🗌	NA 🗆	
4. Were all samp	oles received at a temperat	ure of >0° C to 6.0°C	Yes	<b>V</b>	No 🗌	NA 🗌	
5. Sample(s) in p	proper container(s)?		Yes	<b>V</b>	No 🗌		
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes	<b>V</b>	No 🗆		
7. Are samples (	except VOA and ONG) pro	perly preserved?	Yes	<b>V</b>	No 🗌		
8. Was preserva	tive added to bottles?		Yes		No 🗹	NA 🗆	
9. Received at le	east 1 vial with headspace <	:1/4" for AQ VOA?	Yes		No 🗆	NA 🗹	
10. Were any san	mple containers received br	oken?	Yes		No 🗸	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes	<b>✓</b>	No 🗆	bottles checked for pH:	r>12 unless noted)
12. Are matrices of	correctly identified on Chair	of Custody?	Yes	<b>V</b>	No 🗌	Adjusted?	
13. Is it clear what	t analyses were requested?		Yes	✓	No 🗌		- 1=
	ng times able to be met?		Yes	<b>V</b>	No 🗌	Checked by:	TMC 2/3/2
(If no, notify co	ustomer for authorization.)						
Special Handl	ing (if applicable)						
15. Was client no	tified of all discrepancies w	rith this order?	Yes		No 🗌	NA 🗹	_
Person	Notified:	Date:					
By Who	om:	Via:	eMa	il 🗌 Phon	e 🗌 Fax	In Person	
Regard	ing:						
Client In	nstructions:				_		
16. Additional re	marks:						
17. Cooler Infor	mation						
Cooler No			Seal Da	ate Sig	ned By		
1	0.6 Good	Yes Morty					

1.8

Good

Yes

Morty

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals COF, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)	Mike@LHoperatin Strataresources@C
4	BTEX) MTBE / TMB's (8021)	<b>3/1                                      </b>
Turn-Around Time:  5 da 1/5  Standard Rush 5 Davy  Project Name:  Kee/B/100	Alidation)  Sampler:  On Ice: A Yes D No  # of Cooler Temp(Including CF): See Charklish (*C)  Container Preservative HEAL No.  Type and # Type	Via: Carace
Chain-of-Custody Record Client: L H Operating LLC  Mailing Address: 3721 kull Surk 1200 Housthar 12 77088	Crawlogistics/mme.s.   Level 4 (Full \rangle   Az Compliance   Other   Side walls   Sample Name	700   Soi   700   Soi   700   Soi   700   Soi   700   700   700   700   800

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Chain-of-Custody Record	l urn-Around Time:		LAII ENVIDONMENTAI	141
Client: 1 H Operating LLC	Standard W Rush	55 Orac	,	ORY
		)	www.hallenvironmental.com	
Mailing Address: 3730 Kr. Dr. Surte 1200	KeelBind		4901 Hawkins NE - Albuquerque, NM 87109	
	Project #:	ī	Tel. 505-345-3975 Fax 505-345-4107	
Phone #: 575-499-5306	11/ Burton		Analysis Request	
-ax#: arms lags thes Nm & Grad LOM	Project Manager:		FOS	
QA/QC Package:			SWI	
☐ Standard ☐ Level 4 (Full Validation)			OS 2004	
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□ NELAC □ Other	2	0	OS- 3, 10 or 3, 10 or 3, 1	
□ EDD (Type)	# of Coolers: 2		od (GF) (GF) (A) (A) (A)	
	Cooler Temp(Including CF): SPP (V	Checkinst (°C)	estic by 8: Br, Br,	
	Preservative	HEAL No.	PH:80 181 F 190 (II 190 (II 19	
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Morton			C - Mine bernopera my.com	
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HALL ENVIRONMENTAL	Rush 5 law ANALYSIS LABORATORY	www.hallenvironmental.com	٠,	lel. 505-345-3975 Fax 505-345-4107 Analysis Request	†OS	PCB's SIMS	1) SS (1) (1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	ONT / 08/2 1/ 0/	BE (GR S10 stalides	ACCONTACTOR (C) ON 83 Methodory 83 Methodox 84 Methodox 84 Methodox 85 Methodox 95 Methodo	reservative HEAL No.	E 025 XX   X   X   I	920		0.75	620	030	031	032	033	034	0.35	036	Date Time Remarks:	41/14 (030	Via: Court Date Time (C-Strator Sources OOut/out. COM	100000000000000000000000000000000000000
Turn-Around Time:	Z Standard Project Name:	1001	Project #:		Project Manager:	MBU	7	On Ice: V Yes	olers:	1 5 1	Container Prese	$\vdash$				The second								Received by: Via:		Received by: Vi	With the state of
hain-of-Custody Record	Client: LH Operating LLC Pro		LT Cheraing	7730 KILLY Surte 1200 Husbuts 1800 Phone #: <05-400-5306	*#Orrow loss+1 csuma Gra. Con	QA/QC Package:		☐ Az Compliance			Date Time Matrix Sample Name Ty	24 1100 Soil SP 25	98 ds 1011	1130 8827	1130 50 28	8		1200 8031		0 8 3		1240 6035	1250 \ 036	Relinquished by:	Morton	Date: Time: Relinquished by: Re	4

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	Project #:	<i>C</i>		Ţ	Tel. 505-345-3975	345-39	175	Рах	505-3	Fax 505-345-4107		
Phone #: 575-496-5306	Keel	1 /W	7				Ana	Analysis Request	Requ	est		
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	And the contracted teachest accordance This services as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	Alter Ishor Share	his serves as notice of this	nossibility	Anv Sub-	ontracte	d data w	l be clea	urly nota	ed on the	analytical report.	

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	*OS	O <sup>†</sup> ' :	OS POS S02	(1.4 DE	HO ≥ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	od cide od 31(0 ),	Precional Section of the Section of	3081 F 3081 F 5081 F 3CRA 52F, 52F, 52F, 52F, 704al C					The state of the s									Remarks: M. L. B. L. H. Operature . Com	(C-11182 -11 )	CC- Strataresources @ outlook.com	HJL-12401
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Chain-of-Custody Record	Mailing Address: 3730 FIRM, Suite 1200		Phone #: <75-499-5306	email or Fax# Grow losstresum Abmi.c.	QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	Accreditation:	(eux		Shewalls	Date Time Matrix Sample Name	12824500 Soil SP 61	13024 70040 SP 62	08	720 50 64	59 05 066	2305 056	1750   5067	800 008	810 5969	02 05		>	Relinquishe		Date: Time: Relinquished by:	40/04 1910 CMA4111-102

If necessary, samples submitted to HAII Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sui

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HALL ENVIRONMENTAL		www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis	†OS	8'80 8MI	S04	(1.4.1) (1.4.1) (1.827 (2.0)	AOV des/ des/ des/ des/ des/ des/ des/ des/	D(C)	Meti by 8 Meti by 8 Meti	EDB (F) RSP0 (C) F, C) F, C, C) F, C, C) F, C, C) F, C	XX			9		9	74	000	)0		>	Remarks: CCMIKe OLH Operature .com	Time (C Strataresources@ Outlook.com	24 ToHal TP	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
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Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 15, 2024

Mike Burton
LH Operating, LLC
4809 Cole Ave, Ste 106
Dallas, TX 75205

TEL: (575) 499-5306

FAX:

RE: Keel Bind OrderNo.: 2402164

#### Dear Mike Burton:

Eurofins Environment Testing South Central, LLC received 16 sample(s) on 2/3/2024 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP1 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 10:20:00 AM

 Lab ID:
 2402164-001
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/5/2024 7:40:01 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/5/2024 7:40:01 PM
Surr: DNOP	99.0	61.2-134	%Rec	1	2/5/2024 7:40:01 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2024 1:41:50 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 1:41:50 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2024 1:41:50 PM
Toluene	ND	0.048	mg/Kg	1	2/7/2024 1:41:50 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2024 1:41:50 PM
Xylenes, Total	ND	0.096	mg/Kg	1	2/7/2024 1:41:50 PM
Surr: 4-Bromofluorobenzene	88.9	39.1-146	%Rec	1	2/7/2024 1:41:50 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 6:56:06 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP2 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 10:30:00 AM

 Lab ID:
 2402164-002
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/5/2024 8:03:26 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/5/2024 8:03:26 PM
Surr: DNOP	91.9	61.2-134	%Rec	1	2/5/2024 8:03:26 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 2:05:40 PM
Surr: BFB	103	15-244	%Rec	1	2/7/2024 2:05:40 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.023	mg/Kg	1	2/7/2024 2:05:40 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 2:05:40 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 2:05:40 PM
Xylenes, Total	ND	0.092	mg/Kg	1	2/7/2024 2:05:40 PM
Surr: 4-Bromofluorobenzene	87.7	39.1-146	%Rec	1	2/7/2024 2:05:40 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	59	mg/Kg	20	2/6/2024 7:11:15 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP3 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 10:40:00 AM

 Lab ID:
 2402164-003
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/5/2024 8:26:50 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/5/2024 8:26:50 PM
Surr: DNOP	91.6	61.2-134	%Rec	1	2/5/2024 8:26:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 2:29:30 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 2:29:30 PM
EPA METHOD 8021B: VOLATILES					Analyst: <b>JJP</b>
Benzene	ND	0.024	mg/Kg	1	2/7/2024 2:29:30 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 2:29:30 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 2:29:30 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 2:29:30 PM
Surr: 4-Bromofluorobenzene	89.8	39.1-146	%Rec	1	2/7/2024 2:29:30 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	59	mg/Kg	20	2/6/2024 7:26:25 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP4 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 10:50:00 AM

 Lab ID:
 2402164-004
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>DGH</b>
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/5/2024 8:50:14 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/5/2024 8:50:14 PM
Surr: DNOP	98.4	61.2-134	%Rec	1	2/5/2024 8:50:14 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 2:53:22 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 2:53:22 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 2:53:22 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 2:53:22 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 2:53:22 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 2:53:22 PM
Surr: 4-Bromofluorobenzene	90.1	39.1-146	%Rec	1	2/7/2024 2:53:22 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 7:41:34 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP5 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:00:00 AM

 Lab ID:
 2402164-005
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/5/2024 9:36:50 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/5/2024 9:36:50 PM
Surr: DNOP	97.4	61.2-134	%Rec	1	2/5/2024 9:36:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 3:17:12 PM
Surr: BFB	107	15-244	%Rec	1	2/7/2024 3:17:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 3:17:12 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 3:17:12 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 3:17:12 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 3:17:12 PM
Surr: 4-Bromofluorobenzene	92.9	39.1-146	%Rec	1	2/7/2024 3:17:12 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 7:56:44 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP6 '2'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:10:00 AM

 Lab ID:
 2402164-006
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/5/2024 10:00:07 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/5/2024 10:00:07 PM
Surr: DNOP	97.3	61.2-134	%Rec	1	2/5/2024 10:00:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 3:41:00 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 3:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 3:41:00 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 3:41:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 3:41:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 3:41:00 PM
Surr: 4-Bromofluorobenzene	90.0	39.1-146	%Rec	1	2/7/2024 3:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 8:11:52 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP7'4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:20:00 AM

 Lab ID:
 2402164-007
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/5/2024 10:23:22 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/5/2024 10:23:22 PM
Surr: DNOP	97.4	61.2-134	%Rec	1	2/5/2024 10:23:22 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 4:28:43 PM
Surr: BFB	106	15-244	%Rec	1	2/7/2024 4:28:43 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 4:28:43 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 4:28:43 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 4:28:43 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/7/2024 4:28:43 PM
Surr: 4-Bromofluorobenzene	90.9	39.1-146	%Rec	1	2/7/2024 4:28:43 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 8:27:01 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP8 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:30:00 AM

 Lab ID:
 2402164-008
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/5/2024 10:46:38 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/5/2024 10:46:38 PM
Surr: DNOP	91.5	61.2-134	%Rec	1	2/5/2024 10:46:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 4:52:31 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 4:52:31 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 4:52:31 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 4:52:31 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 4:52:31 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 4:52:31 PM
Surr: 4-Bromofluorobenzene	89.9	39.1-146	%Rec	1	2/7/2024 4:52:31 PM
EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	2/6/2024 9:12:36 PM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP9 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:40:00 AM

 Lab ID:
 2402164-009
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	Analyst: <b>DGH</b>				
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/5/2024 11:09:52 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/5/2024 11:09:52 PM
Surr: DNOP	96.8	61.2-134	%Rec	1	2/5/2024 11:09:52 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 5:16:24 PM
Surr: BFB	105	15-244	%Rec	1	2/7/2024 5:16:24 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2024 5:16:24 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 5:16:24 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 5:16:24 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2024 5:16:24 PM
Surr: 4-Bromofluorobenzene	90.3	39.1-146	%Rec	1	2/7/2024 5:16:24 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 10:07:17 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP10 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 11:50:00 AM

 Lab ID:
 2402164-010
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	2/5/2024 11:33:04 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/5/2024 11:33:04 PM
Surr: DNOP	98.7	61.2-134	%Rec	1	2/5/2024 11:33:04 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2024 5:40:14 PM
Surr: BFB	103	15-244	%Rec	1	2/7/2024 5:40:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/7/2024 5:40:14 PM
Toluene	ND	0.049	mg/Kg	1	2/7/2024 5:40:14 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2024 5:40:14 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/7/2024 5:40:14 PM
Surr: 4-Bromofluorobenzene	87.9	39.1-146	%Rec	1	2/7/2024 5:40:14 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 10:19:38 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP11 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 12:00:00 PM

 Lab ID:
 2402164-011
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/5/2024 11:56:15 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/5/2024 11:56:15 PM
Surr: DNOP	89.0	61.2-134	%Rec	1	2/5/2024 11:56:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 6:04:02 PM
Surr: BFB	104	15-244	%Rec	1	2/7/2024 6:04:02 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 6:04:02 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 6:04:02 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 6:04:02 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 6:04:02 PM
Surr: 4-Bromofluorobenzene	88.3	39.1-146	%Rec	1	2/7/2024 6:04:02 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 10:31:58 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP12 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 12:10:00 PM

 Lab ID:
 2402164-012
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/6/2024 12:19:23 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2024 12:19:23 AM
Surr: DNOP	89.9	61.2-134	%Rec	1	2/6/2024 12:19:23 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 6:27:46 PM
Surr: BFB	100	15-244	%Rec	1	2/7/2024 6:27:46 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 6:27:46 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 6:27:46 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 6:27:46 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 6:27:46 PM
Surr: 4-Bromofluorobenzene	86.7	39.1-146	%Rec	1	2/7/2024 6:27:46 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 10:44:19 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP13 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 12:20:00 PM

 Lab ID:
 2402164-013
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/6/2024 12:42:32 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/6/2024 12:42:32 AM
Surr: DNOP	94.5	61.2-134	%Rec	1	2/6/2024 12:42:32 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/7/2024 6:51:30 PM
Surr: BFB	102	15-244	%Rec	1	2/7/2024 6:51:30 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2024 6:51:30 PM
Toluene	ND	0.047	mg/Kg	1	2/7/2024 6:51:30 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/7/2024 6:51:30 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2024 6:51:30 PM
Surr: 4-Bromofluorobenzene	88.7	39.1-146	%Rec	1	2/7/2024 6:51:30 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 10:56:40 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP14 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 12:30:00 PM

 Lab ID:
 2402164-014
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: <b>DGH</b>			
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/6/2024 1:05:40 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2024 1:05:40 AM
Surr: DNOP	63.7	61.2-134	%Rec	1	2/6/2024 1:05:40 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/7/2024 7:15:11 PM
Surr: BFB	96.1	15-244	%Rec	1	2/7/2024 7:15:11 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/7/2024 7:15:11 PM
Toluene	ND	0.046	mg/Kg	1	2/7/2024 7:15:11 PM
Ethylbenzene	ND	0.046	mg/Kg	1	2/7/2024 7:15:11 PM
Xylenes, Total	ND	0.093	mg/Kg	1	2/7/2024 7:15:11 PM
Surr: 4-Bromofluorobenzene	85.3	39.1-146	%Rec	1	2/7/2024 7:15:11 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 11:09:00 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP15 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 12:40:00 PM

 Lab ID:
 2402164-015
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/8/2024 12:35:21 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/8/2024 12:35:21 PM
Surr: DNOP	118	61.2-134	%Rec	1	2/8/2024 12:35:21 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/11/2024 5:05:04 PM
Surr: BFB	95.5	15-244	%Rec	1	2/11/2024 5:05:04 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/11/2024 5:05:04 PM
Toluene	ND	0.050	mg/Kg	1	2/11/2024 5:05:04 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/11/2024 5:05:04 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/11/2024 5:05:04 PM
Surr: 4-Bromofluorobenzene	85.5	39.1-146	%Rec	1	2/11/2024 5:05:04 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 11:21:21 AM

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

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

Date Reported: 2/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC Client Sample ID: SP16 '4'

 Project:
 Keel Bind
 Collection Date: 1/30/2024 1:00:00 PM

 Lab ID:
 2402164-016
 Matrix: SOIL
 Received Date: 2/3/2024 9:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: <b>JKU</b>				
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/8/2024 1:46:11 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/8/2024 1:46:11 PM
Surr: DNOP	83.4	61.2-134	%Rec	1	2/8/2024 1:46:11 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/11/2024 6:15:21 PM
Surr: BFB	98.8	15-244	%Rec	1	2/11/2024 6:15:21 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/11/2024 6:15:21 PM
Toluene	ND	0.050	mg/Kg	1	2/11/2024 6:15:21 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/11/2024 6:15:21 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/11/2024 6:15:21 PM
Surr: 4-Bromofluorobenzene	87.9	39.1-146	%Rec	1	2/11/2024 6:15:21 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	2/9/2024 11:58:24 AM

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

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2402164 15-Feb-24

**Client:** LH Operating, LLC

**Project:** Keel Bind

Sample ID: MB-80270 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 80270 RunNo: 102914

Prep Date: 2/6/2024 Analysis Date: 2/6/2024 SeqNo: 3803181 Units: mq/Kq

SPK value SPK Ref Val %RPD **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit Qual

Chloride ND 1.5

Sample ID: LCS-80270 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 80270 RunNo: 102914

Prep Date: 2/6/2024 Analysis Date: 2/6/2024 SeqNo: 3803182 Units: mg/Kg

%RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual

Chloride 14 1.5 15.00 93.2 110

Sample ID: MB-80358 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: 80358 RunNo: 103010

Prep Date: Analysis Date: 2/9/2024 SeqNo: 3807709 Units: mg/Kg 2/9/2024

Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

Chloride ND

Sample ID: LCS-80358 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: RunNo: 103010 LCSS Batch ID: 80358

Prep Date: Analysis Date: 2/9/2024 SeqNo: 3807710 2/9/2024 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte LowLimit

Chloride 14 1.5 15.00 n 94.4 90 110

- 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
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402164** *15-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel Bind

Sample ID: MB-80265	SampType: M	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 80	Batch ID: 80265		RunNo: 102881						
Prep Date: 2/5/2024	Analysis Date: 2	Analysis Date: 2/5/2024		SeqNo: <b>3801657</b>			Units: mg/Kg			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND 10									
Motor Oil Range Organics (MRO)	) ND 50									
Surr: DNOP	10	10.00		104	61.2	134				
Sample ID: LCS-80265	SampType: L(	cs	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 80	)265	RunNo: 102881							
Prep Date: 2/5/2024	Analysis Date: 2	/5/2024	SeqNo: <b>3801658</b>			Units: mg/Kg				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52 10	50.00	0	103	59.7	135				
Surr: DNOP	4.9	5.000		97.7	61.2	134				
Sample ID: <b>2402164-014A</b>	MS SampType: M	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: SP14 '4'	Batch ID: 80	)265	RunNo: 102881							
Prep Date: 2/5/2024	Analysis Date: 2	/6/2024	SeqNo: 3801678			Units: mg/Kg				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	Result PQL 47 9.1		SPK Ref Val	%REC 102	LowLimit 43.7	HighLimit 136	%RPD	RPDLimit	Qual	
							%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	47 9.1 3.9	45.58 4.558	0	102 85.1	43.7 61.2	136			Qual	
Diesel Range Organics (DRO) Surr: DNOP	47 9.1 3.9	45.58 4.558 <b>SD</b>	0 Tes	102 85.1	43.7 61.2 A Method	136 134			Qual	
Diesel Range Organics (DRO) Surr: DNOP Sample ID: 2402164-014A	47 9.1 3.9 MSD SampType: M	45.58 4.558 SD 0265	0 Tes	102 85.1 tCode: <b>EP</b>	43.7 61.2 A Method	136 134	esel Range		Qual	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2402164-014A Client ID: SP14 '4'	47 9.1 3.9 MSD SampType: M Batch ID: 80	45.58 4.558 SD 0265 1/6/2024	0 Tes	102 85.1 tCode: <b>EPA</b> RunNo: <b>102</b> SeqNo: <b>380</b>	43.7 61.2 A Method	136 134 <b>8015M/D: Die</b>	esel Range		Qual	
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2402164-014A Client ID: SP14 '4' Prep Date: 2/5/2024	47 9.1 3.9  MMSD SampType: M  Batch ID: 80  Analysis Date: 2	45.58 4.558 SD 0265 V/6/2024 SPK value	0 Tes F	102 85.1 tCode: <b>EPA</b> RunNo: <b>102</b> SeqNo: <b>380</b>	43.7 61.2 A Method 2881 01679	136 134 <b>8015M/D: Die</b> Units: <b>mg/K</b>	esel Range	Organics		
Diesel Range Organics (DRO) Surr: DNOP  Sample ID: 2402164-014A Client ID: SP14 '4' Prep Date: 2/5/2024 Analyte	47 9.1 3.9  MSD SampType: M  Batch ID: 80  Analysis Date: 2  Result PQL	45.58 4.558 SD 0265 V/6/2024 SPK value	0 Tes F S SPK Ref Val	102 85.1 tCode: <b>EPA</b> RunNo: <b>102</b> SeqNo: <b>380</b> %REC	43.7 61.2 A Method 2881 01679 LowLimit	136 134 8015M/D: Die Units: mg/K HighLimit	esel Range	Organics  RPDLimit		

#### Qualifiers:

Client ID:

Prep Date:

Surr: DNOP

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

PBS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

2/7/2024

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

Batch ID: 80330

Analysis Date: 2/8/2024

PQL

10

50

Result

ND

ND

11

B Analyte detected in the associated Method Blank

RunNo: 102994

SeqNo: 3806975

112

LowLimit

61.2

Units: mg/Kg

134

HighLimit

%RPD

**RPDLimit** 

Qual

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

SPK value SPK Ref Val %REC

10.00

# Hall Environmental Analysis Laboratory, Inc.

Result

49

4.2

PQL

9.6

9.6

WO#: **2402164** *15-Feb-24* 

%RPD

14.5

0

**RPDLimit** 

31.3

0

Qual

Client: LH Operating, LLC

**Project:** Keel Bind

Analyte

Diesel Range Organics (DRO)

Diesel Range Organics (DRO)

Surr: DNOP

Sample ID: LCS-80330	SampType: I	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 8	30330	F	RunNo: 10	2994				
Prep Date: 2/7/2024	Analysis Date:	2/8/2024	5	SeqNo: 38	06976	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62 1	0 50.00	0	123	59.7	135			
Surr: DNOP	5.3	5.000		105	61.2	134			
Sample ID: <b>2402164-015AMS</b>	SampType: I	MS	Tes	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: SP15 '4'	Batch ID: 80330 RunNo: 102994								
Prep Date: 2/7/2024	Analysis Date:	Analysis Date: 2/8/2024 SeqNo: 3806978 Units: mg/Kg							

Surr: DNOP		5.0		4.803		104	61.2	134			
Sample ID:	2402164-015AMSD	SampTy	/pe: <b>MS</b>	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	SP15 '4'	Batch	ID: <b>80</b> :	330	F	RunNo: 10	02994				
Prep Date:	2/7/2024	Analysis Da	ate: <b>2/</b>	8/2024	(	SeqNo: 38	306979	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

%REC

102

87.3

LowLimit

43.7

43.7

61.2

HighLimit

136

136

134

SPK value SPK Ref Val

48.03

47.89

4.789

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

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402164** *15-Feb-24* 

Client: LH Operating, LLC

**Project:** Keel Bind

Sample ID: Ics-80257	Samp	Type: LCS TestCode: EPA Method				ou iou: Gaso	ime Kange			
Client ID: LCSS	Batc	h ID: <b>80</b> 2	257	F	RunNo: 10	02936				
Prep Date: 2/5/2024	Analysis [	Date: <b>2/</b> 7	7/2024	5	SeqNo: 38	303969	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	107	70	130			
Surr: BFB	2200		1000		216	15	244			
Sample ID: <b>mb-80257</b>	Samp	Гуре: МЕ	BLK	Tes	tCode: <b>EF</b>	PA Method	8015D: Gaso	line Range	ı	
Sample ID: mb-80257 Client ID: PBS	•	Гуре: <b>МЕ</b> h ID: <b>802</b>			tCode: <b>EF</b> RunNo: <b>1</b> (		8015D: Gaso	line Range	ı	
·	•	h ID: <b>80</b> 2	257	F		02936	8015D: Gaso Units: mg/K	J		
Client ID: PBS	Batc	h ID: <b>80</b> 2	257	F	RunNo: 10	02936		J	RPDLimit	Qual
Client ID: PBS Prep Date: 2/5/2024	Batcl Analysis [	h ID: <b>802</b> Date: <b>2/</b> 1	257 7/2024	F	RunNo: 10 SeqNo: 38	02936 803970	Units: mg/K	(g		Qual

Sample ID: Ics-80289	SampT	ype: <b>LC</b>	s	Tes	tCode: EF	PA Method	8015D: Gaso	ine Range		
Client ID: LCSS	Batch	ID: <b>802</b>	289	F	RunNo: 10	03014				
Prep Date: <b>2/7/2024</b>	Analysis D	ate: <b>2/</b>	11/2024	/2024 SeqNo: 3807952 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	2000		1000		203	15	244			

Sample ID: <b>mb-80289</b>	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range	•	
Client ID: PBS	Batch	n ID: <b>80</b> 2	289	F	RunNo: 10	03014				
Prep Date: 2/7/2024	Analysis D	Date: 2/	11/2024	5	SeqNo: 3	807953	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	980		1000		97.7	15	244			

Sample ID: 2402	164-015ams	SampT	ype: MS	5	Tes	tCode: EF	PA Method	8015D: Gasol	line Range	!	
Client ID: SP1	5 '4'	Batch	n ID: <b>80</b> 2	289	F	RunNo: 10	03014				
Prep Date: 2/7	/2024	Analysis D	Date: <b>2/</b>	11/2024	5	SeqNo: 38	807955	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga	nics (GRO)	22	5.0	24.93	0	89.8	70	130			
Surr: BFB		2000		997.0		203	15	244			

Sample ID:	2402164-015amsd	SampTyp	e: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	SP15 '4'	Batch II	D: <b>80</b> 2	289	F	RunNo: 10	03014				
Prep Date:	2/7/2024	Analysis Dat	e: <b>2/</b>	11/2024	9	SeqNo: 38	807956	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402164 15-Feb-24** 

Client: LH Operating, LLC

**Project:** Keel Bind

Sample ID: 2402164-015amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: SP15 '4' Batch ID: 80289 RunNo: 103014

Prep Date: 2/7/2024 Analysis Date: 2/11/2024 SeqNo: 3807956 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 24.78 95.2 70 130 5.28 20 Surr: BFB 2000 991.1 206 15 244 0 0

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402164

15-Feb-24

**Client:** LH Operating, LLC

**Project:** Keel Bind

Sample ID: LCS-80257	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch	Batch ID: <b>80257</b> RunNo: <b>102936</b>								
Prep Date: 2/5/2024	Analysis D	sis Date: 2/7/2024 SeqNo: 3803972 Units: mg/Kg								
Analyte	Result	,							RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.0	70	130			
Toluene	0.88	0.050	1.000	0	88.3	70	130			
Ethylbenzene	0.90	0.050	1.000	0	89.8	70	130			
Xylenes, Total	2.7	0.10	3.000	0	90.7	70	130			
Surr: 4-Bromofluorobenzene	0.90	0.90 1.000 90.0 39.1 146								

Sample ID: <b>mb-80257</b>	SampType: MBLK TestCode: EPA Method 8021B: Volatiles										
Client ID: PBS	Batcl	n ID: <b>802</b>	257	F	RunNo: 10	)2936					
Prep Date: <b>2/5/2024</b>	Analysis [	Date: <b>2/</b> 7	7/2024	4 SeqNo: <b>3803973</b> Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025		_		<u> </u>		<u> </u>			
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	39.1	146				

Sample ID: LCS-80289	Samp1	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	n ID: <b>802</b>	289	F	RunNo: 10	3014				
Prep Date: 2/7/2024	Analysis D	Date: <b>2/</b> *	11/2024	5	SeqNo: 3807961 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.1	70	130			
Toluene	0.87	0.050	1.000	0	87.0	70	130			
Ethylbenzene	0.88	0.050	1.000	0	87.7	70	130			
Xylenes, Total	2.6	0.10	3.000	0	87.9	70	130			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.8	39.1	146			

Sample ID: <b>mb-80289</b>	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	Batch ID: 80289 RunNo: 103014								
Prep Date: 2/7/2024	Analysis D	is Date: 2/11/2024 SeqNo: 3807962 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	39.1	146			

- 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
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402164** 

15-Feb-24

Client: LH Operating, LLC

**Project:** Keel Bind

Sample ID: 2402164-016amsd	Samp	SampType: MSD TestCode: EPA Method 8021B: Volatiles								
Client ID: SP16 '4'	Batc	Batch ID: <b>80289</b> RunNo: <b>103014</b>								
Prep Date: 2/7/2024	Analysis [	nalysis Date: 2/11/2024 SeqNo: 3807966 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	0.9950	0	80.2	70	130	0.915	20	
Toluene	0.84	0.050	0.9950	0.01300	82.8	70	130	2.04	20	
Ethylbenzene	0.84	0.050	0.9950	0	84.9	70	130	0.449	20	
Xylenes, Total	2.5	0.10	2.985	0	84.8	70	130	0.978	20	
Surr: 4-Bromofluorobenzene	0.85	0.85 0.9950 85.2 39.1 146 0							0	

Sample ID: 2402164-016ams	Samp <sup>-</sup>	Гуре: МЅ	3	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: SP16 '4'	Batc	h ID: <b>80</b> 2	289	F	RunNo: 10	03024				
Prep Date: 2/7/2024	Analysis [	Date: <b>2/</b>	12/2024	(	SeqNo: 38	808591	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.025	0.9950	0	79.4	70	130			
Toluene	0.82	0.050	0.9950	0.01300	81.1	70	130			
Ethylbenzene	0.84	0.050	0.9950	0	84.5	70	130			
Xylenes, Total	2.6	0.10	2.985	0	85.6	70	130			
Surr: 4-Bromofluorobenzene	0.88		0.9950		88.7	39.1	146			

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

### **Environment Testin**

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com Sample Log-In Check List

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Client Name: LH Operating, LLC Work C	Order Number: 2402	2164	RcptN	o: <b>1</b>
Received By: Tracy Casarrubias 2/3/2024	9:40:00 AM			
Completed By: Tracy Casarrubias 2/3/2024	11:05:15 AM			
Reviewed By: 2/5/24				
Chain of Custody				
1. Is Chain of Custody complete?	Yes	<b>✓</b> No	Not Present	
2. How was the sample delivered?	Cour	<u>rier</u>		
Log In  3. Was an attempt made to cool the samples?	Yes	<b>✓</b> No	□ NA □	
4. Were all samples received at a temperature of >0° C to	o 6.0°C Yes	<b>✓</b> No	□ NA □	
5. Sample(s) in proper container(s)?	Yes	<b>✓</b> No		
6. Sufficient sample volume for indicated test(s)?	Yes	<b>✓</b> No		
7. Are samples (except VOA and ONG) properly preserve	d? Yes	<b>✓</b> No		
8. Was preservative added to bottles?	Yes	☐ No	▼ NA □	
9. Received at least 1 vial with headspace <1/4" for AQ V	OA? Yes	☐ No	□ NA ☑	
10. Were any sample containers received broken?	Yes	No	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	<b>☑</b> No	for pH:	or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes	<b>✓</b> No	Adjusted?	
13. Is it clear what analyses were requested?	Yes		/	- 12h
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes	<b>✓</b> No	Checked by:	(MC 2/3/0
Special Handling (if applicable)		/	_	_
15. Was client notified of all discrepancies with this order?	Yes	No No	NA M	<u>'</u>
Person Notified:	Date:			
By Whom:	Via: ☐ eM	lail 🗌 Phone 🗌	Fax In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:  Time and date of relinquish are missing on COC	<b>)</b> .			
17. Cooler Information			v.	
Cooler No Temp °C Condition Seal Intact	Seal No Seal E	Date Signed	Ву	
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Chain-of-Custody Record	Turn-Around Time: Sのな	T.
Client: LH Operating LLC	Z Standard Z Rush	ANALYSIS LABORATORY
3	Project Name:	www.hallenvironmental.com
Mailing Address: $2730km$ Sorte Dag	Keel DINJ	4901 Hawkins NE - Albuquerque, NM 87109
40str 12 77098	Project #:	Tel. 505-345-3975 Fax 505-345-4107
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	Container Preservative HEAL No.	PH:80 PH:80 PHs b PHs b
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Date: Time: Relinquished by:	Via: county Date	7 17 000 7 775-11
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Chain-of-Custody Record	_	<u>v</u>				I	HALL		2	IR	NO	<b>ENVIRONMENTAL</b>	E	7	
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	Project Name:	Ç	,			>	ww.h	allen	ironn	nenta	www.hallenvironmental.com				
Mailing Address: 3730 KIrB, Sute 1200	K201	13/100	/	4	4901 Hawkins NE	awkir	s NE	- All	enbno	srque	Albuquerque, NM 87109	7109			
14. ct., 1X 57008	Project #:			•	Tel. 505-345-3975	5-34	-397		Fax	505-3	Fax 505-345-4107	20			
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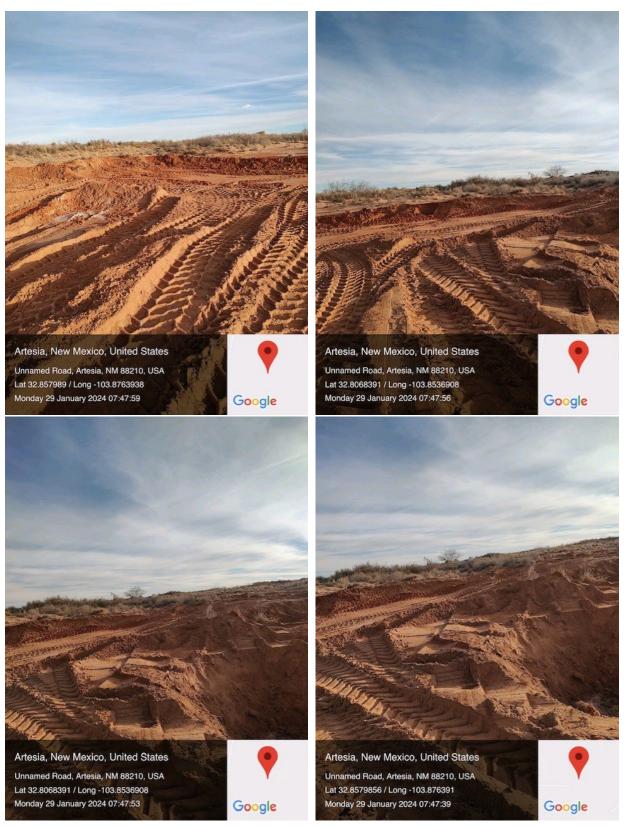
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# APPENDIX D: OPEN EXCAVATION PHOTO LOG

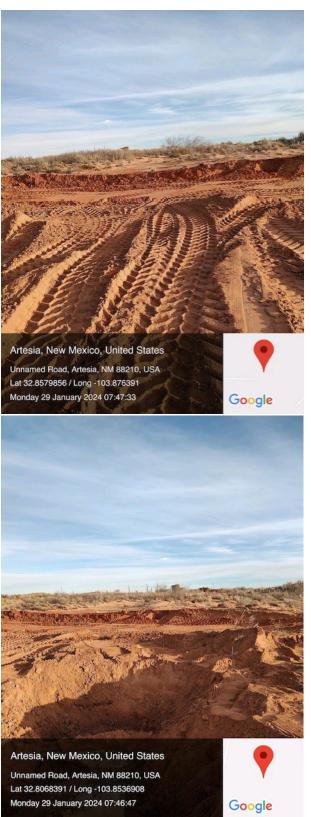


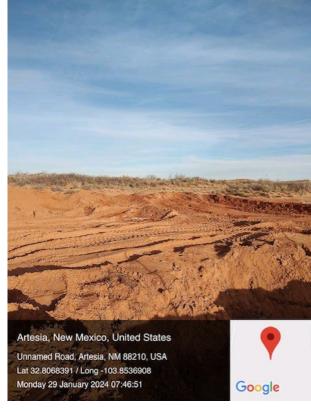
## Keel B Injection Line (nAPP2333337407)



# STRATA RESOURCES SCIENCE & ENGINEERING

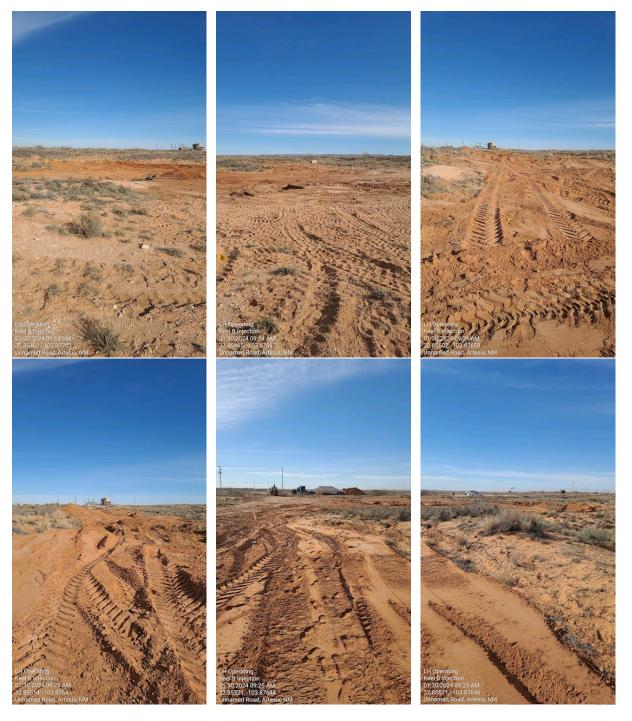
### Keel B Injection Line (nAPP2333337407)







Keel B Injection Line (nAPP2333337407)





# APPENDIX E: RECLAMATION PHOTO LOG



Keel B Injection Line (nAPP2333337407)







# STRATA RESOURCES SCIENCE & ENGINEERING

Keel B Injection Line (nAPP2333337407)





<u>District I</u> 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

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**

QUESTIONS

Action 344580

### **QUESTIONS**

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2333337407	
Incident Name	NAPP2333337407 KEEL B INJECTION LINE @ 0	
Incident Type	Produced Water Release	
Incident Status	Reclamation Report Received	

Location of Release Source			
Please answer all the questions in this group.			
Site Name	KEEL B INJECTION LINE		
Date Release Discovered	11/27/2023		
Surface Owner	Federal		

Incident Details				
Please answer all the questions in this group.				
Incident Type	Produced Water Release			
Did this release result in a fire or is the result of a fire	No			
Did this release result in any injuries	No			
Has this release reached or does it have a reasonable probability of reaching a watercourse	No			
Has this release endangered or does it have a reasonable probability of endangering public health	No			
Has this release substantially damaged or will it substantially damage property or the environment	No			
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No			

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications i	for the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Crude Oil   Released: 2 BBL   Recovered: 2 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Flow Line - Injection   Produced Water   Released: 2,476 BBL   Recovered: 1,320 BBL   Lost: 1,156 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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1220 S. St Francis Dr., Santa Fe, NM 87505

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

QUESTIONS, Page 2

Action 344580

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUESTI	ONS (continued)
Operator:  LH Operating, LLC 3730 Kirby Drive Houston, TX 77098	OGRID:
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response  The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	I ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

Name: Michael Burton Title: Enviromental Manager

Date: 05/15/2024

Email: mike@lhoperating.com

I hereby agree and sign off to the above statement

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Phone:(505) 334-6178 Fax:(505) 334-6170

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**

QUESTIONS, Page 3

Action 344580

**QUESTIONS** (continued)

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Yes		
ination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
in milligrams per kilograms.)		
61		
62.4		
10		
0.2		
0		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
01/23/2024		
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n at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
n		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

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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

QUESTIONS, Page 4

Action 344580

**QUESTIONS** (continued)

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Michael Burton Title: Enviromental Manager Email: mike@lhoperating.com Date: 05/15/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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** 

QUESTIONS, Page 5

Action 344580

<b>QUESTIONS</b>	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

**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

QUESTIONS, Page 6

Action 344580

QUESTIONS	(continued)

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	307547
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/29/2024
What was the (estimated) number of samples that were to be gathered	200
What was the sampling surface area in square feet	16000

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3200
What was the total volume (cubic yards) remediated	356
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3200
What was the total volume (in cubic yards) reclaimed	356
Summarize any additional remediation activities not included by answers (above)	N/A

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 (in .pdf format) 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.

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.

Name: Michael Burton
Title: Enviromental Manager
Email: mike@lhoperating.com
Date: 05/15/2024

District I

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

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# **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 7

Action 344580

40-0110 (00114111004)	
	OGRID:
Operating, LLC	329319
Kirby Drive	Action Number:
eton TV 77009	344500

### Operator IHC 3730 Houston, TX 77098 Action Type [C-141] Reclamation Report C-141 (C-141-v-Reclamation) QUESTIONS Reclamation Report

OUESTIONS (continued)

### Only answer the questions in this group if all reclamation steps have been completed Requesting a reclamation approval with this submission Yes What was the total reclamation surface area (in square feet) for this site 3200 What was the total volume of replacement material (in cubic yards) for this site 356 Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater Is the soil top layer complete and is it suitable material to establish vegetation Yes On what (estimated) date will (or was) the reseeding commence(d) 02/01/2024 Summarize any additional reclamation activities not included by answers (above) N/A

The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13

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

Name: Michael Burton Title: Enviromental Manager I hereby agree and sign off to the above statement Email: mike@lhoperating.com Date: 05/15/2024

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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

QUESTIONS, Page 8

Action 344580

### **QUESTIONS** (continued)

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### QUESTIONS

Revegetation Report		
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.		
Requesting a restoration complete approval with this submission	No	
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.		

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**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 344580

### **CONDITIONS**

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	344580
	Action Type:
	[C-141] Reclamation Report C-141 (C-141-v-Reclamation)

### CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2333337407 KEEL B INJECTION LINE, thank you. This Remediation Closure Report is approved.	5/29/2024