

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	2
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	LH Operating, LLC	OGRID
Contact Name	Mike Burton	Contact Telephone 575-499-5306
Contact email	Mike@lhoperating.com	Incident # (assigned by OCD)
Contact mailing address	4809 Cole Ave. Suite 200 Dallas, TX 75025	

### Location of Release Source

Latitude 32.824673 Longitude -103.855036  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Skelly A PW tank	Site Type	Facility tank
Date Release Discovered	2/4/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
B	22	17S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 21	Volume Recovered (bbls) 21
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Overflow line from tank failure.

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

**Initial Response**

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Mike Burton</u>	Title: _____
Signature: <u>Michael Burton</u>	Date: <u>4/7/2022</u>
email: <u>Mike@lhoperating.com</u>	Telephone: <u>575-499-5306</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>320</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Mike Burton Title: \_\_\_\_\_

Signature: Michael Burton Date: 2/7/2022

email: Mike@lhoperating.com Telephone: 575-499-5306

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Mike Burton Title: \_\_\_\_\_

Signature: Michael Burton Date: 2-7-2022

email: mike@lhoprating.com Telephone: 575-499-5306

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
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## Closure

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

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

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

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

Printed Name: Mike Burton Title: \_\_\_\_\_

Signature: Michael Burton Date: 2-7-2022

email: mike@lhoperaing.com Telephone: 575-499-5306

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised August 1, 2011

\*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

### 1. Generator Name and Address:

LH Operating, LLC 4809 Cole Ave. Suite 200 Dallas, TX 75205

### 2. Originating Site:

Skelly A tank battery, Produced water tank

### 3. Location of Material (Street Address, City, State or ULSTR):

32.826671,-103.850417

### 4. Source and Description of Waste:

Produced water tank overflow. Contaminating caliche and sand.

Estimated Volume 600 yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) 600 yd<sup>3</sup> / bbls

### 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Mike Burton, representative or authorized agent for LH Operating, LLC do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

### GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Mike Burton, representative for LH Operating, LLC do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

### 5. Transporter:

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Lea Land, LLC Permit #: NM-1-035

Address of Facility: MM 64 Hwy 62/180 East, Carlsbad, NM 88220

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☐ Landfarm ☒ Landfill ☐ Other

### Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Shelley Denton

TITLE: Manager

DATE:

SIGNATURE: \_\_\_\_\_  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 405-236-4257

**Oil and Water Spill Volume Spreadsheet**

Calculator Updated 9/4/2013

INPUT FIELDS
OUTPUT
RESULT

Location:	Skelly PW tank
GPS Coordinates:	32.826671,-103.850417
Spill Date:	
Spill Time:	

Length of Spill=		feet
Width of Spill=		feet
Saturation (or depth) of Spill=		inches

**OR**

Area=	986.00	ft <sup>2</sup>
Saturation (or depth) of Spill=	8.00	inches

**OR**

Soil Volume=		yd <sup>3</sup>
--------------	--	-----------------



Use only one  
method

Oil Cut=	0.10	% Oil
Porosity Factor=	0.20	

Soil Volume=	24.35	yd <sup>3</sup>
Total Oil in Soil=	0.02	barrels
Total Produced Water in Soil=	23.39	barrels

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP4-4' R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-001

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/8/2022 4:14:55 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:14:55 PM
Surr: DNOP	76.5	51.1-141		%Rec	1	3/8/2022 4:14:55 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: BFB	99.4	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 7:17:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	59		mg/Kg	20	3/10/2022 6:06:15 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP5-4 R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-002

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	99	9.3		mg/Kg	1	3/8/2022 5:20:05 PM
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	3/8/2022 5:20:05 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/8/2022 5:20:05 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: BFB	97.6	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 9:35:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2600	150		mg/Kg	50	3/11/2022 1:36:44 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-003

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	98	7.5		mg/Kg	1	3/8/2022 4:25:50 PM
Motor Oil Range Organics (MRO)	71	38		mg/Kg	1	3/8/2022 4:25:50 PM
Surr: DNOP	83.7	51.1-141		%Rec	1	3/8/2022 4:25:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: BFB	96.0	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 10:34:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2500	150		mg/Kg	50	3/11/2022 1:49:06 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-004

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	57	8.5		mg/Kg	1	3/8/2022 4:36:43 PM
Motor Oil Range Organics (MRO)	55	43		mg/Kg	1	3/8/2022 4:36:43 PM
Surr: DNOP	104	51.1-141		%Rec	1	3/8/2022 4:36:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: BFB	95.0	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 11:33:00 PM
Toluene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	1500	60		mg/Kg	20	3/10/2022 6:43:28 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-005

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	3/8/2022 4:47:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/8/2022 4:47:35 PM
Surr: DNOP	109	51.1-141		%Rec	1	3/8/2022 4:47:35 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: BFB	104	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 11:52:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 6:55:52 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-006

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	35	9.1		mg/Kg	1	3/8/2022 4:58:28 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:58:28 PM
Surr: DNOP	94.4	51.1-141		%Rec	1	3/8/2022 4:58:28 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: BFB	97.7	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:12:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	60		mg/Kg	20	3/10/2022 7:08:16 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-007

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	32	9.1		mg/Kg	1	3/8/2022 5:09:18 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/8/2022 5:09:18 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/8/2022 5:09:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: BFB	97.8	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:31:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	88	60		mg/Kg	20	3/10/2022 7:20:40 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-008

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	3/9/2022 2:21:18 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/9/2022 2:21:18 PM
Surr: DNOP	100	51.1-141		%Rec	1	3/9/2022 2:21:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:51:00 AM
Toluene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 7:57:54 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-009

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/9/2022 2:32:00 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 2:32:00 PM
Surr: DNOP	99.7	51.1-141		%Rec	1	3/9/2022 2:32:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: BFB	98.9	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:11:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:10:18 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-010

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/9/2022 2:42:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 2:42:43 PM
Surr: DNOP	97.2	51.1-141		%Rec	1	3/9/2022 2:42:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: BFB	105	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:30:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:22:43 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-011

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 2:53:25 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 2:53:25 PM
Surr: DNOP	97.6	51.1-141		%Rec	1	3/9/2022 2:53:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: BFB	101	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:49:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:35:07 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-012

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 3:04:08 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 3:04:08 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/9/2022 3:04:08 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:48:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:47:31 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-013

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	64	9.8		mg/Kg	1	3/9/2022 3:14:53 PM
Motor Oil Range Organics (MRO)	55	49		mg/Kg	1	3/9/2022 3:14:53 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/9/2022 3:14:53 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: BFB	93.7	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 3:07:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1500	60		mg/Kg	20	3/10/2022 8:59:56 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-014

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	3/9/2022 3:25:38 PM
Motor Oil Range Organics (MRO)	95	49		mg/Kg	1	3/9/2022 3:25:38 PM
Surr: DNOP	98.0	51.1-141		%Rec	1	3/9/2022 3:25:38 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: BFB	91.6	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 3:27:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: 4-Bromofluorobenzene	78.5	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	2300	60		mg/Kg	20	3/10/2022 9:12:21 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-015

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	58	9.5		mg/Kg	1	3/9/2022 3:36:23 PM
Motor Oil Range Organics (MRO)	54	47		mg/Kg	1	3/9/2022 3:36:23 PM
Surr: DNOP	97.5	51.1-141		%Rec	1	3/9/2022 3:36:23 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: BFB	94.3	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 3:46:00 AM
Toluene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1600	60		mg/Kg	20	3/10/2022 9:24:45 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 15 of 0

## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-016

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	35	8.6		mg/Kg	1	3/9/2022 3:47:07 PM
Motor Oil Range Organics (MRO)	43	43		mg/Kg	1	3/9/2022 3:47:07 PM
Surr: DNOP	105	51.1-141		%Rec	1	3/9/2022 3:47:07 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: BFB	94.4	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 4:06:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: LRN
Chloride	2300	150		mg/Kg	50	3/11/2022 2:01:27 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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# Remediation Summary & Soil Closure Request

April 13, 2022

LH Operating, LLC  
Skelly A PW Tank

Eddy County, New Mexico

Latitude 32.824673 North, Longitude 103.855036 West

Unit Letter "B", Section 22, Township 17 South, Range 31 East

**NMOCD Incident # nAPP2204953590**

Prepared By:

**Haz Mat Special Services, LLC**  
1909 E I-20  
Midland, Tx 79701



Lindsey Nevels  
Operations Manager  
lnevels@hazmatspecialservices.com



Haz Mat Special Services

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NMOCD Site Classification	4
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Remediation Activities	5
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- Figure 1 – Topographic Map
- Figure 2 – OSE Pod Location Map
- Figure 3 – USGS Well Location Map
- Figure 4 – NMOCD Email -Groundwater
- Figure 5 - Delineation Sample Map
- Figure 6 – Excavation Floor Sample Map

### Tables

- Table 1 –NMOCD Closure & Reclamation Standard
- Table 2 – Summary of Soil Sample Laboratory Analytical Results

### Attachments

- Attachment I – Site Photographs
- Attachment II – Depth to Groundwater
- Attachment III – Soil Bore Drilling log Email Chain- NMOCD
- Attachment IV – Field Data
- Attachment V – Laboratory Analytical Reports
- Attachment IIV -NMOCD Form C-141 Remediation Pages
- Attachment IV – Laboratory Analytical Reports
- Attachment V – NMOCD Form C-141 Remediation and Closure Pages



Haz Mat Special Services

RE: Closure Request  
LH Operating, LLC  
Skelly APW Tank  
Latitude 32.824673 North, Longitude 103.855036 West  
Unit Letter "B", Section 22, Township 17 South, Range 31 East  
Eddy County, New Mexico  
**NMOCD Incident # nAPP2204953590**

Haz Mat Special Services, LLC, (HMSS), on behalf of LH Operating, submits this *Site Characterization and Closure Request* to the New Mexico Oil Conservation Division (NMOCD). This Report provides documentation and serves as a condensed update on field activities undertaken at the afore referenced Site.

Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form C-141 Remediation pages are included as Attachment V. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

### **Background:**

The initial C-141 Form associated with this release indicated the release occurred on February 4, 2022. The release was attributed to a tank overflow releasing approximately one (1) BBL of oil and twenty-one (21) BBLS of produced water. The client's immediate remedial actions resulted in the recovery of approximately 1BBL of oil and 21 BBLS of produced water.

The site is in Unit Letter B (NW/NE), Section 22, Township 17 South, Range 31 East, approximately 7 miles Southwest of Maljamar, in Eddy County, New Mexico. The GPS coordinates for the release site are 32.824662 North, Longitude 103.855113. The property is Federally owned.



## Haz Mat Special Services

### 2.0 NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed to determine the horizontal distance to known water sources within a half-mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information.

One USGS well was located near the site with reported depth to water of 271' below surface. However, it does not meet NMOCD criteria for age of data, distance of the data point well from the release point. According to the NMOCD groundwater map, the average depth to groundwater in this area is greater than 300' below surface.

Published data shows on January 21, 2010, an investigation soil bore was drilled by use of air driller within a half of mile radius from the Skelly A PW. The investigation soil bore was advanced to a depth of approximately 61' indicating groundwater is greater than 50'. No moisture or groundwater was encountered during drilling activities. The location of the investigative soil bore is depicted in Figure 4. A drilling log is provided as Attachment III.

Confirmation email concerning groundwater data with EMNRD is provided as Figure 4 respectively.

### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure and NMOCD Reclamation Standard for the Site are as follows.

**Table 1**  
**NMOCD Closure Criteria**

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
>51	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.





#### 4.0 Delineation Activities

On February 21, 2021, Haz Mat Special Services conducted an initial site assessment. During the initial assessment, a series of hand-augured soil bores and were advanced within the release margins to determine the vertical extent of impacted soil. During the advancement of the soil bores these sample locations are identified by SP and SPCF designation. In addition, sample test trenches were advanced along the inferred edges of the affected area to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the soil bores and test trenches, soil samples were collected, and field screened for the presence of volatile organic compounds via a photoionization detector (PID) and chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, (26) twenty-six representative soil samples were selected for laboratory analysis. Delineation soil samples (SP1-Surf, SP1-1'), (SP2-Surf, SP2-1'), (SP3-Surf, SP3-4'), (SP4-Surf, SP4-4R), (SP5-Surf, SP5-4R), (HZ1-Surf, and 1') through (HZ8-Surf and 1'). Each were submitted to the laboratory for analysis of BTEX, TPH, and chloride.

Laboratory analytical results indicated BTEX, TPH or chloride concentrations were above the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard in each of the submitted soil samples apart from HZ4, HZ5 and HZ6.

Sample locations represented by SP4 and SP5 hit refusal at 4'bgs. due to maxing out length of hand auger. Excessive number of flowlines in and around release area prevented any mechanical excavation in referenced area. A hydro excavator was used to excavate congested release area to achieve full delineation. (SP1-CFS1-6'), (SP2-CFS2-6'), (SP3-CFS3-9'), (SP4-CFS4-14'), (SP5-CFS5-16'), (HZ1-A, HZ2-A, HZ3-A, HZ7-A) were submitted to the laboratory for analysis of BTEX, TPH, and chloride to complete vertical delineation activities. Each were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard.

#### 5.0 REMEDIATION ACTIVITIES

In accordance with the NMOCD, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated by hand, mechanical and hydro excavation and transported to an NMOCD-approved surface waste facility for disposal. The sidewalls of the excavation were advanced until field observations and test results suggested BTEX, TPH and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard. Areas supporting steel connections and major support of processing equipment were left in-situ for structural support.

The excavated area measured approximately sixty to one hundred feet in length, eight to twenty feet in width and 4'to 5' in depth. During remediation activities approximately 600 cubic yards of impacted soil was excavated and hauled to an NMOCD approved disposal facility.



## Haz Mat Special Services

Confirmation soil samples represented by FL1-FL10 and SW1-SW11 (five-point composites representing no more than 200 ft of the excavated area) were collected from the floor and sidewalls.

A Delineation Sample Map and Excavation Sample Map are provided as Figure 3 and Figure 4, respectively. Field data is provided as Attachment IV. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 2 and Laboratory Analytical Reports are provided as Attachment V.

### **Restoration, Reclamation, and Re-Vegetation:**

Based upon laboratory analytical results from confirmation soil samples, excavated areas will be backfilled with locally sourced clean, non-impacted "like" material placed at or near relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

### **Soil Closure Request**

Remediation activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical results from composite confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria. The site has been remediated to meet the standards of Table 1 of 19.15.29.12 NMAC; therefore, Haz Mat Special Services, LLC recommends LH Operating, LLC provide copies of this *Remediation Summary and Closure Request* to the appropriate agencies and respectfully requests closure be granted for the referenced release.

### **Limitations:**

Haz Mat Special Services, LLC, has prepared this *Remediation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. HMSS has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. HMSS has not conducted an independent examination of the facts contained in referenced materials and statements. HMSS has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. HMSS notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. HMSS has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants.



Haz Mat Special Services

**Distribution:**

**LH Operating, LLC**

4809 Cole Ave  
Dallas, TX 75205

**New Mexico Energy, Minerals and Natural Resources Department**

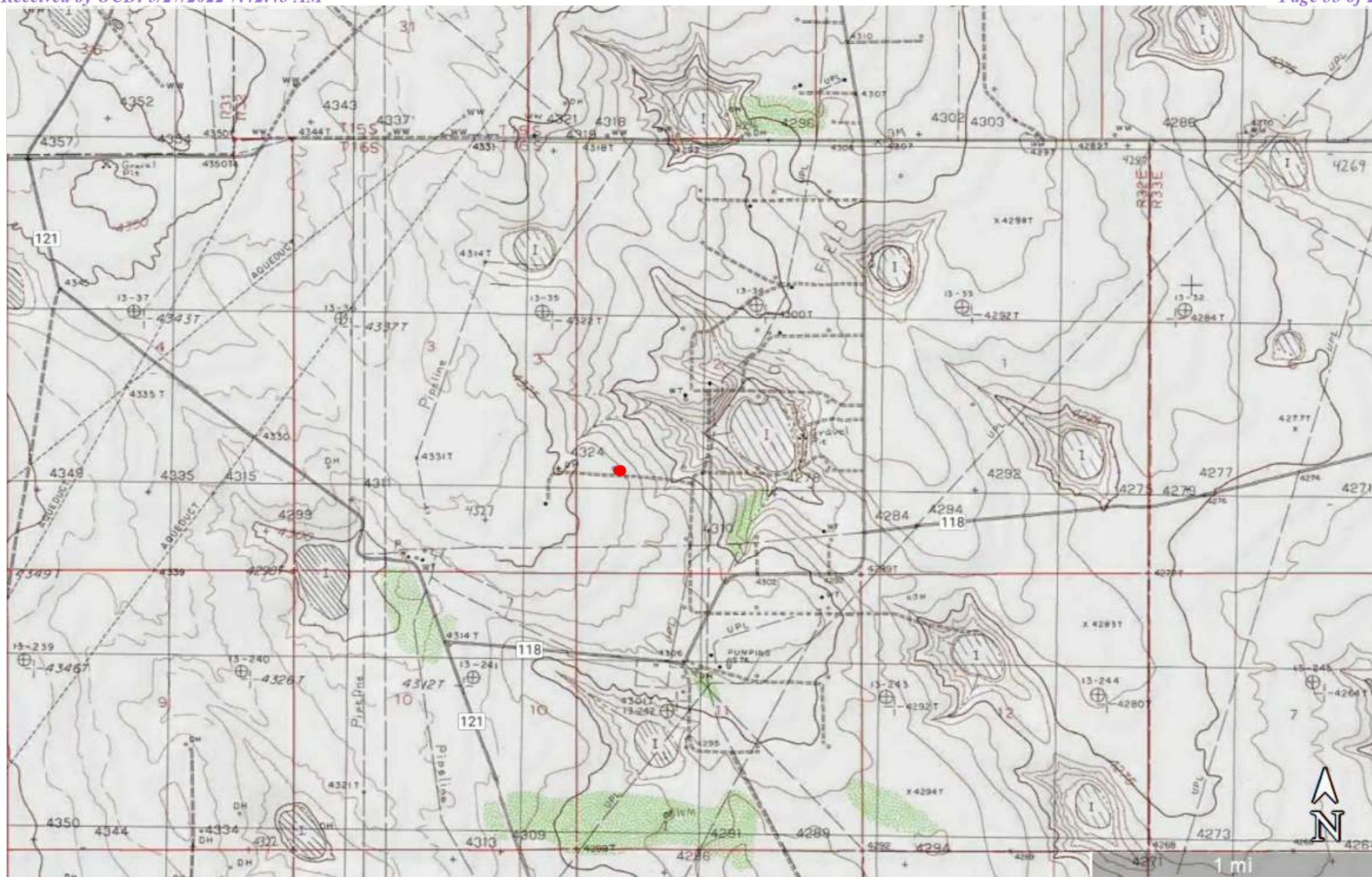
Oil Conservation Division, District 2  
811 S. First St.  
Artesia, NM 88210

**Hobbs Field Office**

**New Mexico State Land Office**

2827 North Dal Paso Street  
Suite 117  
Hobbs, NM 88240

## **Figures**

**Legend**

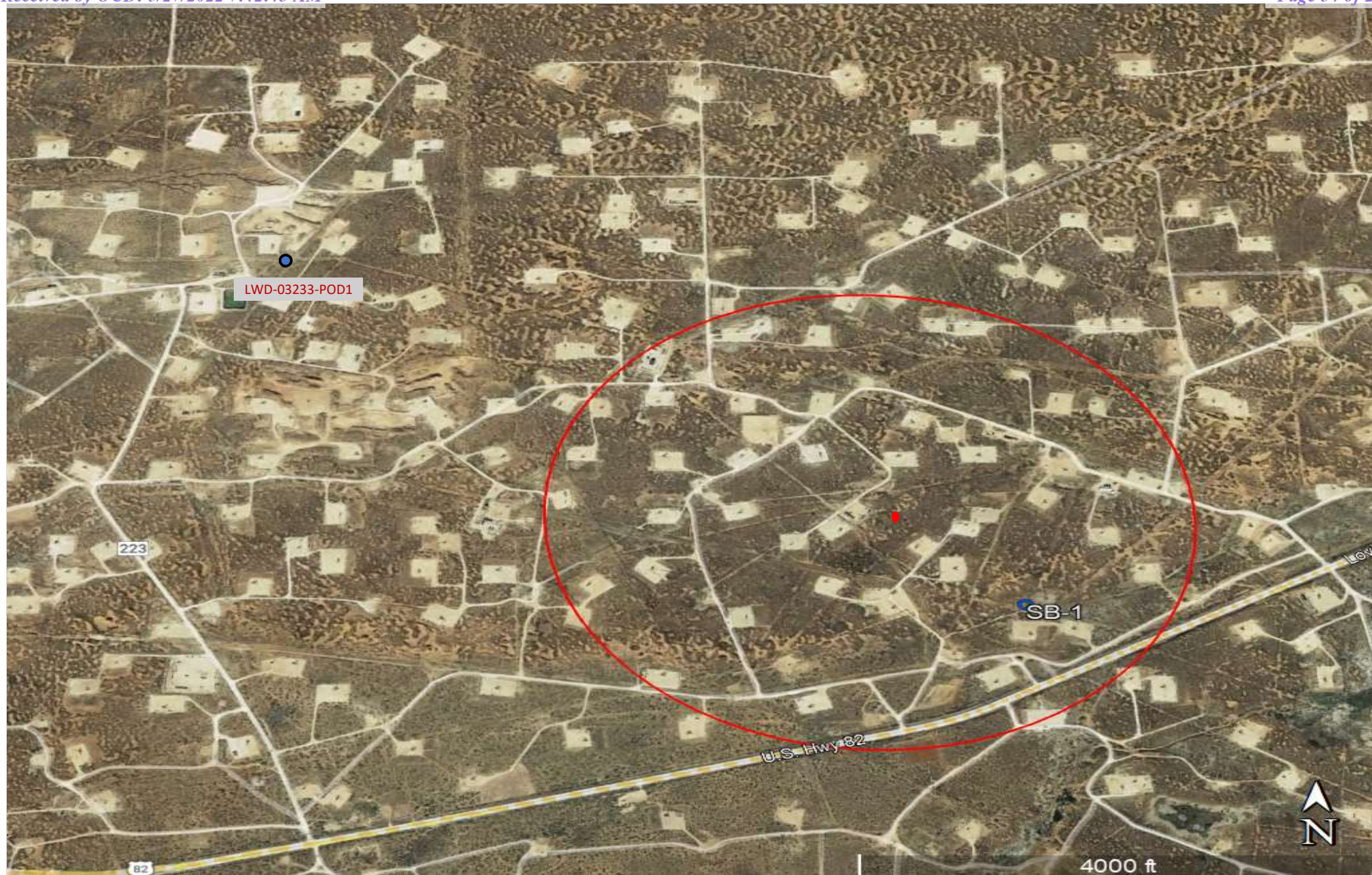
● Skelly A PW Tank Location


**Topography Map**

LH Operating, LLC  
 Skelly A PW Tank  
 GPS: 32.824673, -103.855036  
 Eddy County

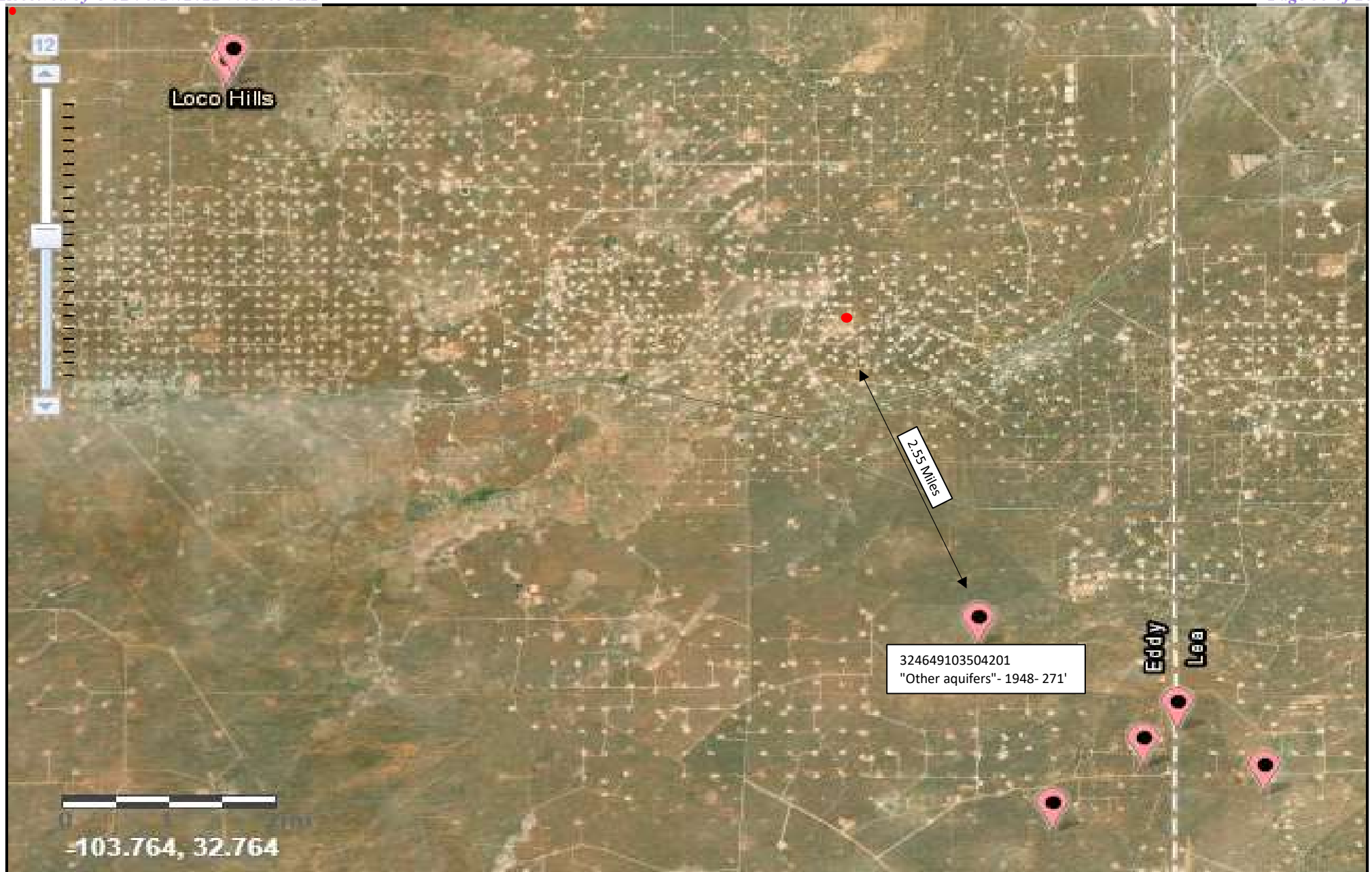
**Figure 1**






Legend:	OSE POD Locations Map	Figure 2
<ul style="list-style-type: none"> <li><span style="color: red;">●</span> Skelly A PW Tank Location</li> <li><span style="color: blue;">●</span> Active OSE Water Well</li> <li><span style="color: blue;">○</span> Soil Bore</li> </ul>	<p style="text-align: center;">LH Operating, LLC  Skelly A PW Tank  GPS: 32.824673, -103.855036  Eddy County</p>	





Legend:	USGS Well Locations Map	Figure 3
<p>● Skelly A PW Tank Location</p>	<p>LH Operating, LLC Skelly A PW Tank GPS: 32.824673, -103.855036 Eddy County</p>	

## Lindsey Nevels

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Sent:** Wednesday, March 9, 2022 8:20 AM  
**To:** Bratcher, Mike, EMNRD; Lindsey Nevels  
**Subject:** RE: [EXTERNAL] Ground Water Published Data

Lindsey,

Please make sure this is included in your remediation/closure report.

Thank you for the information.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
811 S. First Street | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Sent:** Tuesday, March 8, 2022 3:22 PM  
**To:** Lindsey Nevels <lnevels@hazmatspecialservices.com>  
**Cc:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Subject:** RE: [EXTERNAL] Ground Water Published Data

Lindsey,

Yes you can use this information to show no groundwater less than 50'. Note Rob Hamlet's email address.

Thanks,

**Mike Bratcher** • Incident Supervisor  
Environmental Bureau  
EMNRD - Oil Conservation Division  
811 S. First St. | Artesia, NM 88210  
(575) 626-0857 | [mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>





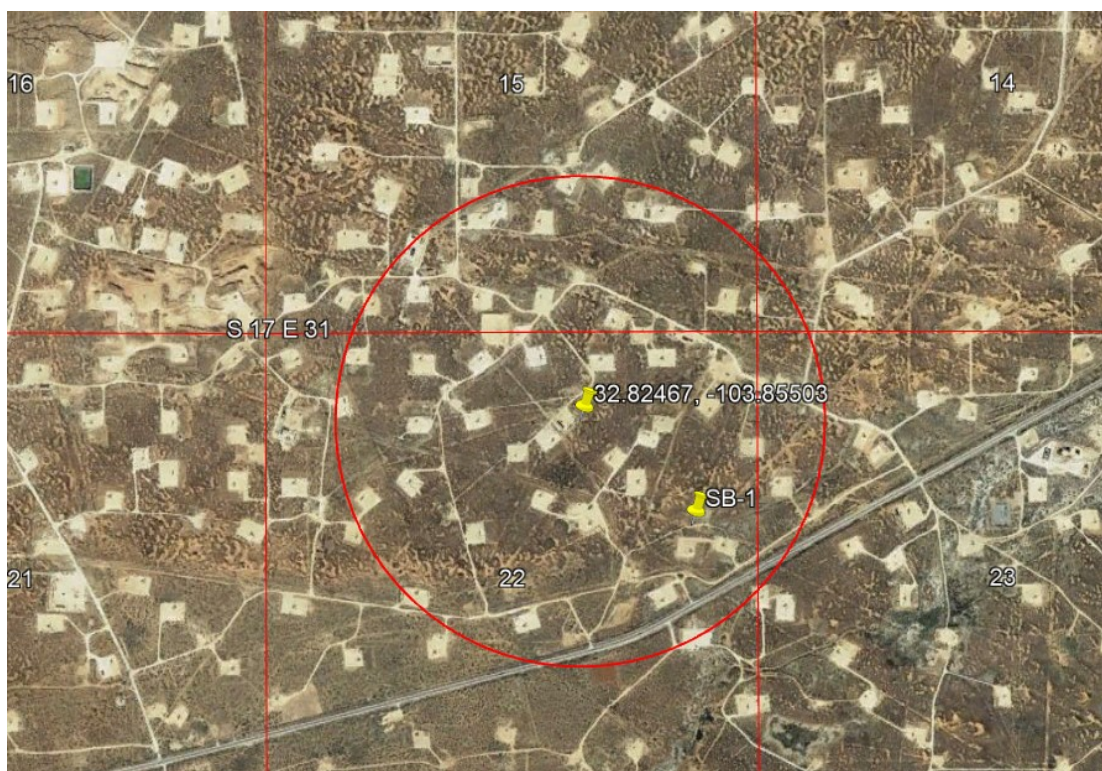
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**From:** Lindsey Nevels <[lnevels@hazmatspecialservices.com](mailto:lnevels@hazmatspecialservices.com)>  
**Sent:** Tuesday, March 8, 2022 2:22 PM  
**To:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; [Robert.Hamlin@state.nm.us](mailto:Robert.Hamlin@state.nm.us)  
**Subject:** [EXTERNAL] Ground Water Published Data

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

I have a question on a Site regarding groundwater. I am currently on a location where average depth to groundwater is 271' bgs. There is not a well within half a mile of spill location. BUT during my research on NMOCD site I found that Tetra Tech had drilled a soil bore to 61' at the same location had an approved workplan and closure on the exact site with this information. Will I be able to use this as my proof that groundwater is not less than 50' and clean this release up as the 10,000/2500-part Closure? The release ran in between many flowlines beside the outer edge of the berm. There are 36 headers all active flowlines intertwined with in the release. I can not get in there with any mechanical excavation at all. I have fully delineated the area and I have hand shoveled in between the flowlines to 4', so can I use the 10,000-part starting at 4' with this published information?



**Boring/Well:** SB-1  
**Project Number:** 114-6400278  
**Client:** COG Operating LLC  
**Site Location:** SWD 8" Mainline (Skelly Area)  
**Location:** Eddy County, New Mexico  
**Total Depth:** 61 feet  
**Installation Method:** Air Rotary Drilling  
**Date Installed:** 01/21/10

DEPTH (Ft)	OVM	SAMPLE DESCRIPTION
0-5'	N/A	Brown sand
6-7'	N/A	Red sandy clay
8-9'	N/A	Red sandy clay
10-11'	N/A	Caliche
15-16'	N/A	Sandy clay with some caliche
20-21'	N/A	Red clay with some sand
25-26'	N/A	Red clay with some sand
30-31'	N/A	Red clay with some sand
35-36'	N/A	Red clay with some sand
40-41'	N/A	Red clay with some sand
50-51'	N/A	Red clay with some sand
60-61'	N/A	Red clay with some sand

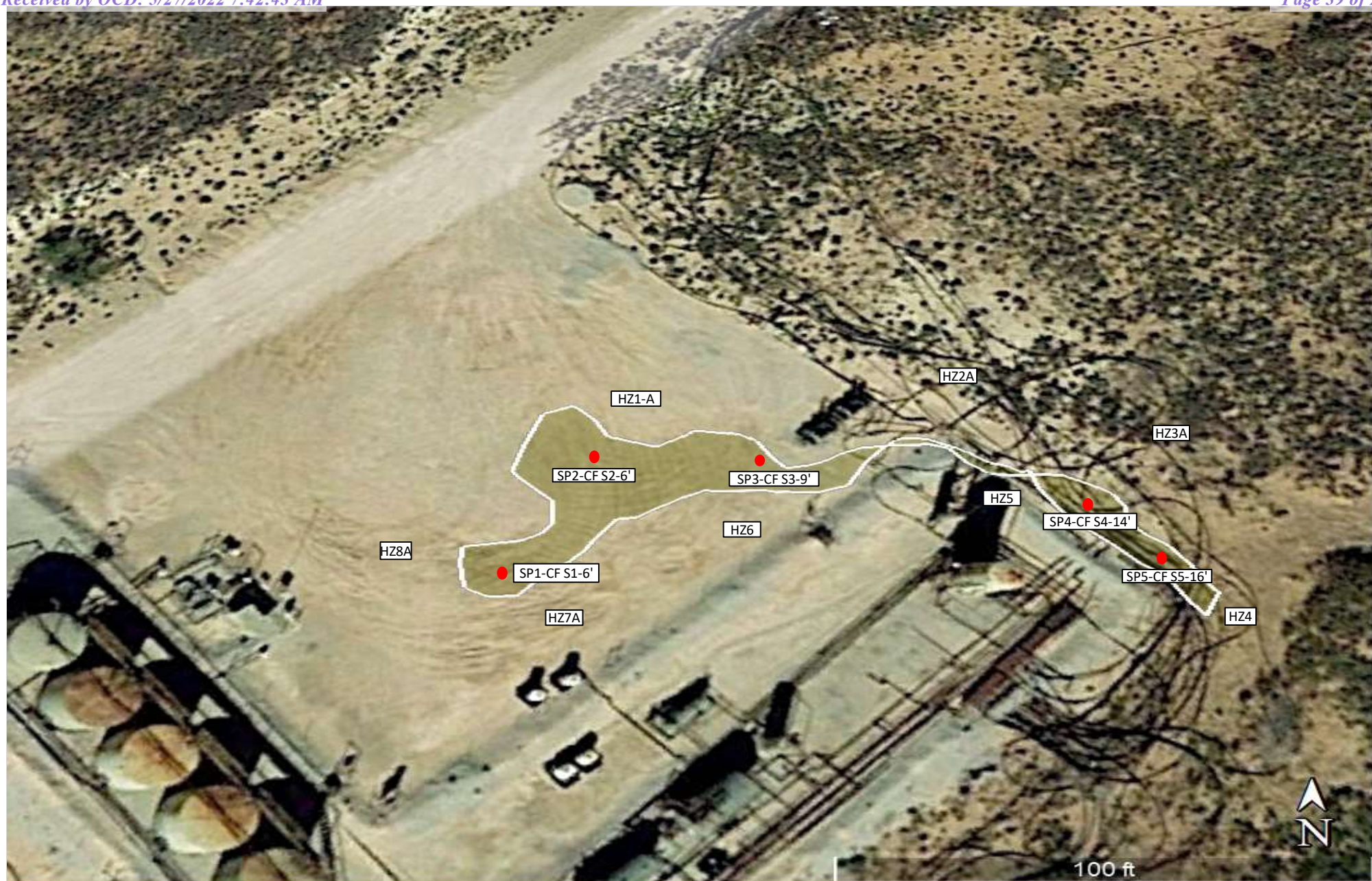
Total Depth is 61 feet No Groundwater encountered during drilling

Respectfully,

Lindsey Nevels

Lindsey Nevels  
 Operations Manager West Texas- New Mexico  
 Haz Mat Special Services, LLC





Legend:

- Release Area
- SP1 Delineation Sample Location

Delineation Sample Map

LH Operating, LLC  
 Skelly A PW Tank  
 GPS: 32.824673, -103.855036  
 Eddy County New Mexico

Figure 5





**Legend**

- Excavated Area
- CFS1 Composite Confirmation Sample Location

**Excavation Sample Map**

LH Operating, LLC  
 Skelly  
 GPS: 32.824673, -103.855036  
 Eddy County

**Figure 6**

## **Table**

**TABLE 2**  
**Summary of Soil Sample Laboratory Analytical Results**  
**LH Operating, LLC**  
**Skelly**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SP 1	2/21/22	Surf	In-Situ	ND	2.1	72	<b>16000</b>	<b>16072</b>	<b>7500</b>	<b>23,572.0</b>	<b>21,000</b>
	2/21/22	1'	In-Situ	ND	ND	ND	430	430	650	<b>1,080.0</b>	150
CF S1	2/28/22	6'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 2	2/21/22	Surf	In-Situ	ND	8.3	130	<b>25,000</b>	<b>25130</b>	<b>14000</b>	<b>39,130.0</b>	<b>6,100</b>
	2/21/22	1'	In-Situ	ND	ND	ND	<b>1,400</b>	<b>1400</b>	<b>580</b>	<b>1,980.0</b>	ND
CF S2	2/28/22	6'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 3	2/21/22	Surf	In-Situ	ND	2.4	70	ND	ND	ND	ND	<b>5,000</b>
	2/21/22	4'	In-Situ	ND	ND	ND	ND	ND	ND	ND	850
CF S3	2/28/22	9'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 4	2/21/22	Surf	In-Situ	ND	17	<b>350</b>	<b>13,000</b>	<b>13350</b>	<b>6100</b>	<b>19,450.0</b>	<b>400</b>
	2/28/22	4' R	In-Situ	ND	ND	ND	ND	ND	ND	ND	<b>2,200</b>
CF S4	3/1/22	11'	In-Situ	ND	ND	ND	66	66	62	128	<b>2,000</b>
	3/16/22	14'	In-Situ	ND	ND	ND	ND	ND	ND	ND	33
SP 5	2/22/22	Surf	In-Situ	ND	50	<b>660</b>	<b>12,000</b>	<b>12660</b>	<b>4,300</b>	<b>16,960.0</b>	<b>1,500</b>
	2/28/22	4'R	In-Situ	ND	ND	ND	99	99	140	<b>239.0</b>	<b>2,600</b>
CF S5	3/1/22	12'	In-Situ	ND	ND	ND	51	51	50	<b>101.0</b>	<b>2,200</b>
	3/16/22	16'	In-Situ	ND	ND	ND	ND	ND	ND	ND	25
HZ1	2/21/22	Surf	In-Situ	ND	ND	ND	<b>430</b>	<b>430</b>	<b>530</b>	<b>960.0</b>	120
	2/21/22	1'	In-Situ	ND	ND	ND	19	19	ND	19.0	ND
HZ1-A	3/16/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ2	2/28/22	Surf	In-Situ	ND	ND	ND	98	98	71	<b>169.0</b>	<b>2,500</b>
	2/28/22	1'	In-Situ	ND	ND	ND	57	57	55	<b>112.0</b>	<b>1,500</b>
HZ2A	3/16/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ3	2/28/22	Surf	In-Situ	ND	ND	ND	10	10	ND	10.0	ND
	2/28/22	1'	In-Situ	ND	ND	ND	35	35	ND	35.0	<b>2,200</b>
HZ3-A	3/16/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/22	1'	In-Situ	ND	ND	ND	10	10	ND	10.0	ND
HZ4	2/28/22	Surf	In-Situ	ND	ND	ND	32	32	ND	32.0	88
	2/28/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ5	2/28/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	2/28/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ6	2/28/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	2/28/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ7	2/28/22	Surf	In-Situ	ND	ND	ND	64	64	55	<b>119</b>	<b>1,500</b>
	2/28/22	1'	In-Situ	ND	ND	ND	110	110	95	<b>205</b>	<b>2,300</b>
HZ7A	3/16/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ8	02/28/22	Surf	In-Situ	ND	ND	ND	58	58	54	<b>112</b>	<b>1,600</b>
	2/28/22	1'	In-Situ	ND	ND	ND	35	35	43	78	<b>2300</b>
HZ8-A	3/16/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
	3/16/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND

**NOTES:** HZ8-A  
 - = Sample not analyzed for this constituent.

**Bold text denotes a concentration that exceeds the NMOCB Closure Criteria**

**TABLE 2**  
**Summary of Soil Sample Laboratory Analytical Results**  
**LH Operating, LLC**  
**Skelly**

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
				<b>10</b>	<b>50</b>	-	-	<b>N/A</b>	-	<b>2,500</b>	<b>10,000</b>
FL1	3/16/2022	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	67
FL2	3/16/2022	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	65.4
FL3	3/16/2022	4'	Excavated	ND	ND	ND	145	145	76	221	218
FL4	3/16/2022	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	69
FL5	3/16/2022	4'	Excavated	ND	ND	ND	387	387	186	573	811
FL6	3/16/2022	4'	Excavated	ND	ND	ND	1150	1150	514	1664	393
FL7	3/16/2022	4'	Excavated	ND	ND	ND	170	170	94	264	417
FL8	3/16/2022	4'	Excavated	ND	ND	ND	89	89	59	148	1180
FL9	3/16/2022	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	1540
FL10	3/16/2022	4'	Excavated	ND	ND	ND	107	107	65	172	1810
SW1	2/28/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	ND
SW2	2/28/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	ND
SW3	2/28/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	ND
SW4	2/28/22	4'	Excavated	ND	ND	ND	93	93	80	173	2,300
SW4 A-1'	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	22.7
SW5	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	24.3
SW6	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	22.6
SW7	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	23.0
SW8	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	39.7
SW9	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	23.5
SW10	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	26.1
SW11	3/16/22	4'	Excavated	ND	ND	ND	ND	ND	ND	ND	24.5
SW12	3/16/22	4'	Excavated	ND	ND	ND	31	ND	ND	ND	20.5

**NOTES:**

- = Sample not analyzed for that constituent.

**Bold** text denotes a concentration that exceeds the NMOCD Closure Criteria

## **Attachment I Site Photographs**

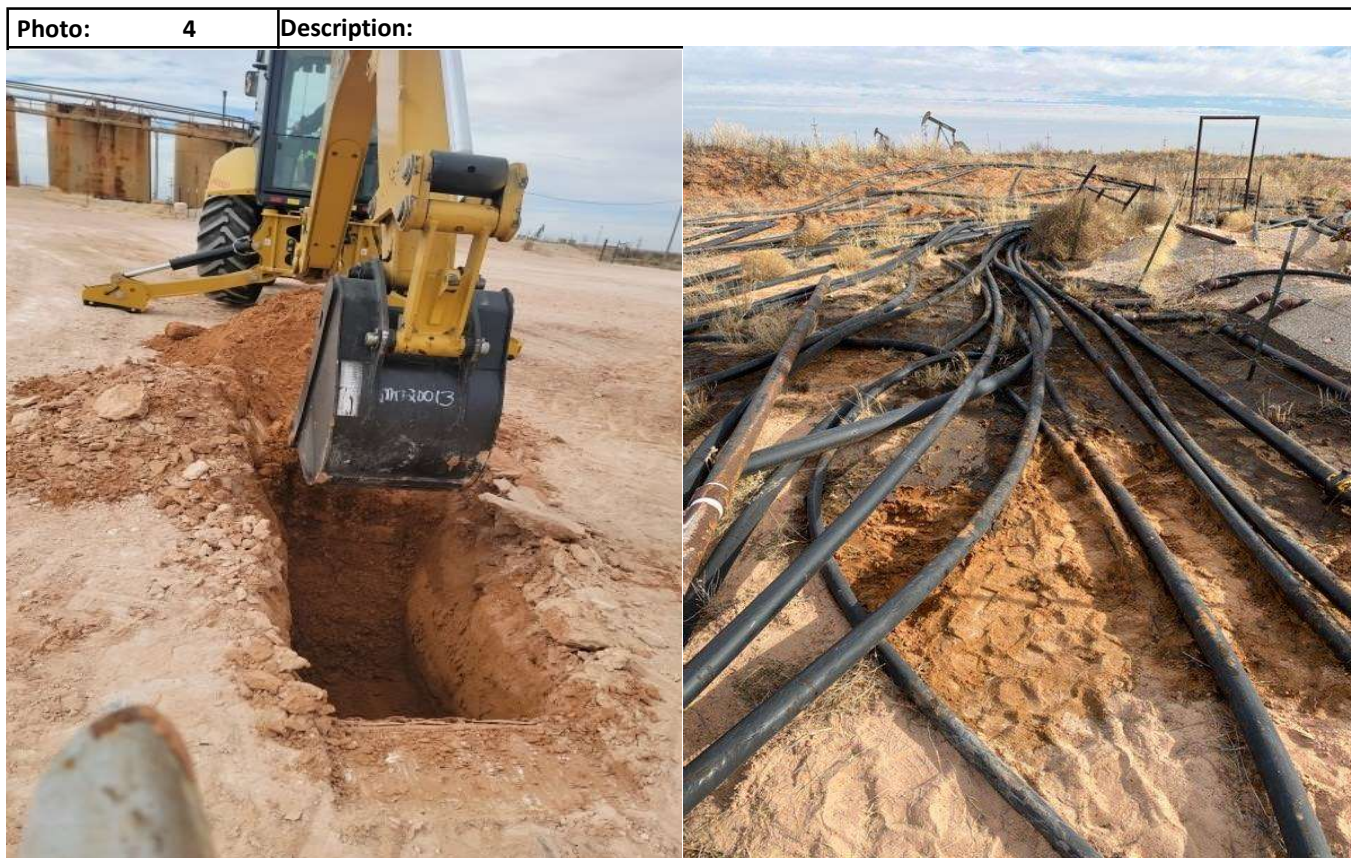


## Photographs





# Photographs





## Photographs





## Photographs

**Photo:** 7 **Description:** Release area.

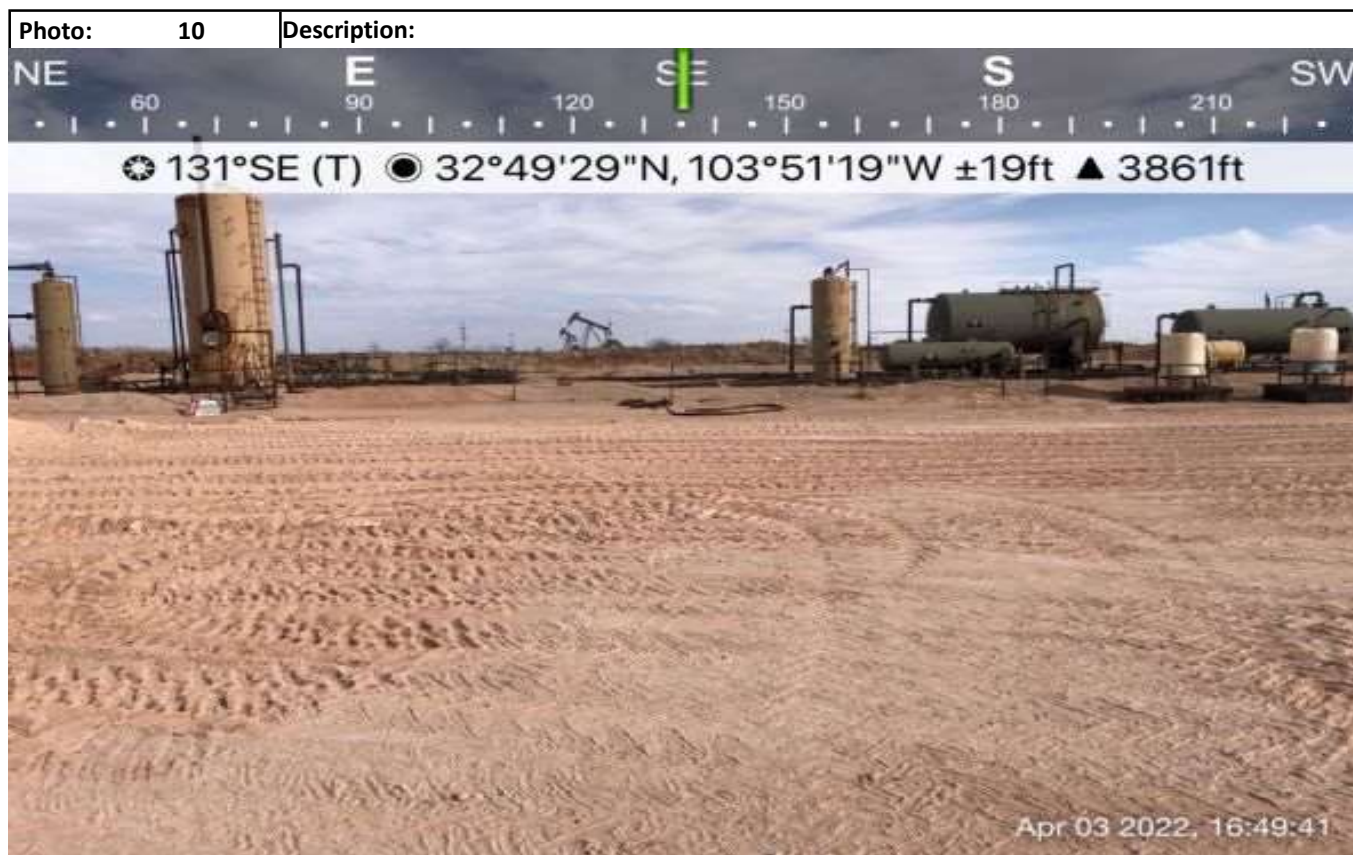


**Photo:** 8 **Description:** Release area.





## Photographs





## Photographs



## **Attachment II**

### **Depth to Groundwater**





# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	LWD 03233 POD1	1	4	16	17S	31E	605524	3633307*	

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

\*UTM location was derived from PLSS - see Help

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

2/18/22 3:48 PM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer


## Transaction Summary

### DCL Declaration of a Water Right

Transaction Number: 696718      Transaction Desc: LWD-RA-319      File Date: 09/28/1992

Primary Status: DCL Declared  
Secondary Status: PRC Processed  
Person Assigned: \*\*\*\*\*  
Applicant: CHARLES R MARTIN INC  
Contact: CHARLES M WARD, VP

#### Events

Date	Type	Description	Comment	Processed By
 09/28/1992	APP	Application Received	*	*****
09/28/1992	FTN	Finalize non-published Trans.		*****
06/03/2021	QAT	Quality Assurance Completed	DATA	*****
08/25/2021	QAT	Quality Assurance Completed	IMAGE	*****

#### Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
LWD 03233	1	6		PLS NON 72-12-1 LIVESTOCK WATERING

##### \*\*Point of Diversion

LWD 03233 POD1      605524      3633307\* 

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

##### \*\*Place of Use

Q	Q	Q	Q	Sec	Tw	Rng	Acres	Diversion	Consumptive	Use	Priority	Status	Other	Loc	Desc
256	64	16	4		16	17S	31E	1	6	PLS	12/31/1952	DCL			

#### Remarks

"TAYLOR TANK"

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.

2/25/22 9:23 AM

TRANSACTION SUMMARY



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[Contact USGS](#)  
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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Site Information ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

## USGS 324649103504201 17S.31E.34

Available data for this site

SUMMARY OF ALL AVAILABLE DATA ▼

GO

### Well Site

#### DESCRIPTION:

Latitude 32°46'49", Longitude 103°50'42" NAD27

Eddy County, New Mexico , Hydrologic Unit 13060011

Well depth: 271 feet

Well completed in "Other aquifers" (N9999OTHER) national aquifer.

#### AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
<a href="#">Field/Lab water-quality samples</a>	1948-12-06	1948-12-06	1
<a href="#">Revisions</a>	Unavailable (site:0) (timeseries:0)		

#### OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to [New Mexico Water Science Center Water-Data Inquiries](#)

[Questions about sites/data?](#)

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**Title: NWIS Site Information for USA: Site Inventory**

**URL: [https://waterdata.usgs.gov/nwis/inventory?](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324649103504201)**

**[agency\\_code=USGS&site\\_no=324649103504201](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324649103504201)**



Page Contact Information: [New Mexico Water Data Support Team](#)

Page Last Modified: 2022-02-25 10:30:46 EST

0.28 0.26 vaww01



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Site Information ▼

Geographic Area:

United States ▼

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- [Full News](#) 

## USGS 324649103504201 17S.31E.34

Available data for this site

SUMMARY OF ALL AVAILABLE DATA ▼

GO

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<a href="#">Revisions</a>	Unavailable (site:0) (timeseries:0)		

#### OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

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**Title: NWIS Site Information for USA: Site Inventory**

**URL: [https://waterdata.usgs.gov/nwis/inventory?](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324649103504201)**

**[agency\\_code=USGS&site\\_no=324649103504201](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=324649103504201)**



Page Contact Information: [New Mexico Water Data Support Team](#)

Page Last Modified: 2022-02-14 15:36:48 EST

0.27 0.25 caww02

## **Attachment III**

### **Field Data**



HMSS



## Initial Site Assessment

Date: \_\_\_\_\_

Project: Skelly - LH operating

Clean Up Level: \_\_\_\_\_

600ppm/100 - 10,000/2500

Latitude: 32.824673

Longitude: -103.855036

Site Diagram

CFS 6

7

8

9

10

SW 5

SW 6

7

8

9

10

HZ 1 A Swf

HZ 1 A - 1'

CFS 1

2

3

4

5

delineation

SW 1

2

3

4

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## Notes:

all unusual contaminants scraped hauled to dispose  
 - sample field clean at 2'  
 tabs came back SW 1 dot at 2' start excavation to 4'  
 - hand shovelled around flowlines, Brought in hydrovac  
 to excavate around flowlines

~Length:

~Width:

~Area:

~Depth:

Photos of the affected area?

Yes

No

☒☐

Samples field screened and on Ice?

☒☐

Sample field data entered on Sample Log?

☒☐

Horizontal and Vertical delineation achieved?

☒☐



## Date: \_\_\_\_\_

Clean Up Level:

Longitude: -103.855113

600ppm/100tph



Hand-drawn geological map showing various geological units and features. The map includes labels for 'H2S', 'H2', 'H22', 'H23', 'H24', 'H25', 'H26', 'H27', 'H28', 'H29', 'H30', 'H31', 'H32', 'H33', 'H34', 'H35', 'H36', 'H37', 'H38', 'H39', 'H40', 'H41', 'H42', 'H43', 'H44', 'H45', 'H46', 'H47', 'H48', 'H49', 'H50', 'H51', 'H52', 'H53', 'H54', 'H55', 'H56', 'H57', 'H58', 'H59', 'H60', 'H61', 'H62', 'H63', 'H64', 'H65', 'H66', 'H67', 'H68', 'H69', 'H70', 'H71', 'H72', 'H73', 'H74', 'H75', 'H76', 'H77', 'H78', 'H79', 'H80', 'H81', 'H82', 'H83', 'H84', 'H85', 'H86', 'H87', 'H88', 'H89', 'H90', 'H91', 'H92', 'H93', 'H94', 'H95', 'H96', 'H97', 'H98', 'H99', 'H100'. The map also shows a '2,000' scale bar and a 'SW-1' well location.

**Notes:**

~Length:

~Width:

~Area:


~Depth:

Photos of the affected area?

Samples field screened and on Ice?

Sample field data entered on Sample Log?

Horizontal and Vertical delineation achieved?

Floor 

CFSL -

4sw1 -

comp side wall

Yes

No

☐☐☐☐☐☐☐

HMSS



## Sample Log

Date: 2-21-22Project: Skelly - LH operatingLatitude: 32.824673Longitude: -103.855036Sampler: Lindan

Sample ID	Depth	PID/Odor	Chloride	GPS
Sp1 - Surf	Surf	TPH	15,863 2.21.22 lab	
	1'	-	454 lab 2.21.22	
Sp2 - Surf	1'	TPH	7,000 lab 2.21.22	
	1'	-	396 lab 2.21.22	
Sp3 - Surf	Surf	TPH	4,030 lab 2.21.22	
	1'	TPH	2,400	
	2'	TPH	1,808	
	3'		900	
	4'		590 lab 2.21.22	
Sp4 - Surf	Surf	TPH	5,304	
	1'		3,588	
	2'		3,204	
	3'		2,710	
	4'-R		2,776	maxed out hand auger Can't get equipment down there
Sp5 - Surf	Surf	TPH	Lab	
	1'		7,000	
	2'		4,502	
	3'		3,588	
	4'-R		2,776 lab 2.28.22	maxed out hand aug down there
H21	Surf		180 2.21.22	
	1'		4100 2.21.22	
H22	Surf		2100 2.28.22	
	1'		4100 2.27.22	
H23	Surf		4100 2.28.22	
	1'		4100 2.28.22	
H24	Surf		4100 2.28.22	
	1'		4100 2.28.22	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1



Hungry Horse, LLC

## Sample Log

Project: ~~PLU South Frac Pond~~ *SKelly*

Date: \_\_\_\_\_

Latitude: ~~32.11345~~

Longitude: -103.91211

Sampler: \_\_\_\_\_

Sample ID	Depth	PID/Odor	Chloride	GPS
SP4 - 4'			2200	
SP5 - 4'			2600	
H22 - A - Surf				
A 1'				
H23 - A Surf				
A 1'				
H27 - A - Surf				
H27 - A 1'				
SN4				
SP1 - Surf	TDH		21,000	
1'	TDH		150 23K	
2'	TDH		Added field 800	
3'	ND		ND	
4'			FL 1 Final Lab	
SP2 Surf			39K 6100	
1'			20000 ND	
2'			chloride 1800	
3'			ND	
4'			(historical) Final Lab	
SP3 Surf			5600 chl	
1'			850	
2'			600	
3'			ND	
4'	850'		- <del>Final Lab</del>	
4.5	NIT			
SP4				
1				
2				
3				
4			2,200	
M.2			Final Lab	

Sample Point = SP1 @ ## etc

Horizontal = H21 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples = SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

HMSS



## Sample Log

Date: \_\_\_\_\_

Project: Skelly - LH operating

Latitude: 32.824673

Longitude: -103.855036

Sampler: \_\_\_\_\_

Sample ID	Depth	PID/Odor	Chloride	GPS
H21A	Surf		<100 31622	
	1'		<1100 31622	
H22A	Surf		<100 31622	
	1'		<1100	
H23A	Surf		200	
	1'		<100	
H27A	Surf		300	
	1'		<100	
H28A	Surf		<10	
	1'		<10	
CF S1-	14		316	
CF S5-	16			
SW4A-1'			257 31622	Found
SW5			400 31622	
SW6			<100 31622	
SW7			450 31622	
SW8			400 31622	
SW9			570 31622	
SW16			<1100 31622	
			<10' 31622	
FL1			1700 31622	
FL2			1800 31622	
FL3			1700 31622	
FL4			800 31622	
FL5			1800 31622	
FL6			2600 31622	
FL7			1200 31622	
FL8			2340 31622	
FL9			1604 31622	
FL10			21800 31622	
FL			1401 31622	
SW11			31622	
SW12			31622	

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc

Refusal = SP1 @ 4'-R

Resamples= SP1b @ 5' or SW #1b

Sidewall = SW1 etc

GPS Sample Points, Center of Comp Areas

Stockpile = Stockpile #1

## Date: \_\_\_\_\_

Sampler:

**Stockpile = Stockpile #1**



HMSS



## Sample Log

Date: \_\_\_\_\_

Project: Skelly - LH operating

Latitude: 32.824673

Longitude: -103.855036

Sampler: \_\_\_\_\_

Sample ID	Depth	PID/Odor	Chloride	GPS
CF S4	12'	D	690	3112
In situ	13'	D	680	
	14'	D	3340	lab delineation sample for CF. ST = Sp4-14
CF S5	5'	D & PH	2000	
In situ	6'	D & PH	2000	
In situ	7'	D & PH	1700	
In situ	8'	D PH	1690	
In situ	9'	D	1100	
In situ	10'	D	900	
In situ	11'	D	800	
In situ	12'	D	590	lab delineation lab sample - Sp4-12
In situ	13'	D	680	
In situ	14'	D	680	
In situ	15'	D	600	
In situ	16'	D	440	lab: delineation for CF.
SW1		Excavated	12822	F.C.
SW2		Excavated	22822	F.C.
SW3		Excavated	22822	F.C.
SW4		Excavated	22822	F.C.
FL1	4'	- Bottom hole 4' P	31622	
FL2	4'	lab	31622	
FL3	4'	lab	31622	
FL4	4'	lab	31622	
FL5	4'	lab	31622	
FL6	4'	lab	31622	
FL7	4'	lab	31622	
FL8	4'	lab	31622	
FL9	4'	lab	31622	
FL10	4'	lab	31622	
	4'	lab	31622	

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

## Sample Log

Date: 2-26-22

Project: PLU South Frac Pond

Latitude: 32.11345

Longitude: -103.91211

Sampler:

[illegible]

Test Trench = TT1 @ ##

Resamples= SP1b @ 5' or SW #1b

Stockpile = Stockpile #1



HMSS



## Sample Log

Date: \_\_\_\_\_

Project: Skelly - LH operating

Latitude: 32.824673

Longitude: -103.855036

Sampler: \_\_\_\_\_

Sample ID	Depth	PID/Odor	Chloride	GPS
H25	surf		<100 22822	
	1'		<100 22822	
H26	surf		<100 22822	
	1'		<100 22822	
H27	surf		<100 22822	
	1'		<100 22822	
H28	surf		<100 22822	
	1'		<100 22822	
H29	surf		<100 22822	
	1'		<100 22822	
H210	surf		<100 22822	
	1'		<100 22822	
CF S1	3'			
	4'			
	6'		504: delineated for FC.	
CF S2	3'			
	4'			
	5'			
	6'		lab 480: delineated for FC.	
CF S3	5'	TPH	1100	
	6'	TPH	1100	
	7'		880	
	8'		604	
	9'		540 lab: delineation for EF	
CF S4	5'	DTPH	2200	31.22
	6'	DTPH	2200	
	7'	DTPH	1400	
CF S5	8'	D	1100	
	9'	D	980	
	10'	D	670	
	11'	D	540	delineation sample sp4 for CF = sp4-11'

Sample Point = SP1 @ ## etc

Floor = FL1 etc

Sidewall = SW1 etc

Horizontal = HZ1 etc

Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Test Trench = TT1 @ ##

Resamples = SP1b @ 5' or SW #1b

Stockpile = Stockpile #1

## **Attachment IV**

### **Laboratory Analytical Reports**

## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP1-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-001

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	16000	420		mg/Kg	50	3/1/2022 6:50:45 AM
Motor Oil Range Organics (MRO)	7500	2100		mg/Kg	50	3/1/2022 6:50:45 AM
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 6:50:45 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	72	25		mg/Kg	5	2/25/2022 8:15:00 AM
Surr: BFB	208	70-130	S	%Rec	5	2/25/2022 8:15:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	2/25/2022 8:15:00 AM
Toluene	ND	0.25		mg/Kg	5	2/25/2022 8:15:00 AM
Ethylbenzene	0.86	0.25		mg/Kg	5	2/25/2022 8:15:00 AM
Xylenes, Total	2.1	0.50		mg/Kg	5	2/25/2022 8:15:00 AM
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	5	2/25/2022 8:15:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>MRA</b>
Chloride	21000	1500		mg/Kg	500	3/2/2022 11:22:07 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 0



## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP1-1'

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-002

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	430	86		mg/Kg	10	3/1/2022 8:46:05 PM
Motor Oil Range Organics (MRO)	650	430		mg/Kg	10	3/1/2022 8:46:05 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	3/1/2022 8:46:05 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 8:35:00 AM
Surr: BFB	106	70-130		%Rec	1	2/25/2022 8:35:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	2/25/2022 8:35:00 AM
Toluene	ND	0.049		mg/Kg	1	2/25/2022 8:35:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 8:35:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 8:35:00 AM
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	2/25/2022 8:35:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	150	60		mg/Kg	20	3/2/2022 1:04:25 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP2-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-003

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	25000	480		mg/Kg	50	3/1/2022 7:12:03 AM
Motor Oil Range Organics (MRO)	14000	2400		mg/Kg	50	3/1/2022 7:12:03 AM
Surr: DNOP	0	51.1-141	S	%Rec	50	3/1/2022 7:12:03 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	130	24		mg/Kg	5	2/25/2022 8:55:00 AM
Surr: BFB	244	70-130	S	%Rec	5	2/25/2022 8:55:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	2/25/2022 8:55:00 AM
Toluene	1.7	0.24		mg/Kg	5	2/25/2022 8:55:00 AM
Ethylbenzene	4.5	0.24		mg/Kg	5	2/25/2022 8:55:00 AM
Xylenes, Total	8.3	0.49		mg/Kg	5	2/25/2022 8:55:00 AM
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	5	2/25/2022 8:55:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>MRA</b>
Chloride	6100	300		mg/Kg	100	3/2/2022 11:34:31 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP2-1'

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-004

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1400	91		mg/Kg	10	3/2/2022 11:33:46 AM
Motor Oil Range Organics (MRO)	580	460		mg/Kg	10	3/2/2022 11:33:46 AM
Surr: DNOP	0	51.1-141	S	%Rec	10	3/2/2022 11:33:46 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 9:14:00 AM
Surr: BFB	110	70-130		%Rec	1	2/25/2022 9:14:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	2/25/2022 9:14:00 AM
Toluene	ND	0.049		mg/Kg	1	2/25/2022 9:14:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 9:14:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 9:14:00 AM
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	2/25/2022 9:14:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	3/2/2022 1:29:15 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP3-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-005

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.2		mg/Kg	1	3/1/2022 7:33:21 AM
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	3/1/2022 7:33:21 AM
Surr: DNOP	185	51.1-141	S	%Rec	1	3/1/2022 7:33:21 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	70	5.0		mg/Kg	1	2/25/2022 9:34:00 AM
Surr: BFB	418	70-130	S	%Rec	1	2/25/2022 9:34:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	2/25/2022 9:34:00 AM
Toluene	0.18	0.050		mg/Kg	1	2/25/2022 9:34:00 AM
Ethylbenzene	1.1	0.050		mg/Kg	1	2/25/2022 9:34:00 AM
Xylenes, Total	2.4	0.099		mg/Kg	1	2/25/2022 9:34:00 AM
Surr: 4-Bromofluorobenzene	191	70-130	S	%Rec	1	2/25/2022 9:34:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>MRA</b>
Chloride	5000	150		mg/Kg	50	3/2/2022 12:11:45 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP3-4'

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-006

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/25/2022 11:49:56 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/25/2022 11:49:56 PM
Surr: DNOP	99.1	51.1-141		%Rec	1	2/25/2022 11:49:56 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:29:49 PM
Surr: BFB	111	70-130		%Rec	1	2/25/2022 4:29:49 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	2/25/2022 4:29:49 PM
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:29:49 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:29:49 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 4:29:49 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/25/2022 4:29:49 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	850	60		mg/Kg	20	3/2/2022 1:54:04 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP4-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-007

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	13000	900		mg/Kg	100	2/26/2022 12:00:38 AM
Motor Oil Range Organics (MRO)	6100	4500		mg/Kg	100	2/26/2022 12:00:38 AM
Surr: DNOP	0	51.1-141	S	%Rec	100	2/26/2022 12:00:38 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	350	24		mg/Kg	5	2/25/2022 5:40:20 PM
Surr: BFB	540	70-130	S	%Rec	5	2/25/2022 5:40:20 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	2/25/2022 5:40:20 PM
Toluene	3.2	0.24		mg/Kg	5	2/25/2022 5:40:20 PM
Ethylbenzene	8.7	0.24		mg/Kg	5	2/25/2022 5:40:20 PM
Xylenes, Total	17	0.48		mg/Kg	5	2/25/2022 5:40:20 PM
Surr: 4-Bromofluorobenzene	144	70-130	S	%Rec	5	2/25/2022 5:40:20 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	400	60		mg/Kg	20	3/2/2022 2:06:28 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ1-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-008

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	430	98		mg/Kg	10	2/26/2022 12:32:41 AM
Motor Oil Range Organics (MRO)	530	490		mg/Kg	10	2/26/2022 12:32:41 AM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/26/2022 12:32:41 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2022 7:15:20 PM
Surr: BFB	110	70-130		%Rec	1	2/25/2022 7:15:20 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	2/25/2022 7:15:20 PM
Toluene	ND	0.046		mg/Kg	1	2/25/2022 7:15:20 PM
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2022 7:15:20 PM
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2022 7:15:20 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/25/2022 7:15:20 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	120	60		mg/Kg	20	3/2/2022 2:18:52 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ1-1'

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-009

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	19	9.7		mg/Kg	1	2/26/2022 12:43:21 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/26/2022 12:43:21 AM
Surr: DNOP	133	51.1-141		%Rec	1	2/26/2022 12:43:21 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2022 7:38:58 PM
Surr: BFB	110	70-130		%Rec	1	2/25/2022 7:38:58 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	2/25/2022 7:38:58 PM
Toluene	ND	0.046		mg/Kg	1	2/25/2022 7:38:58 PM
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2022 7:38:58 PM
Xylenes, Total	ND	0.091		mg/Kg	1	2/25/2022 7:38:58 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/25/2022 7:38:58 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	59		mg/Kg	20	3/2/2022 2:56:05 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2202A48

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP5-Surf

Project: Skelly TB

Collection Date: 2/21/2022

Lab ID: 2202A48-010

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	12000	430		mg/Kg	50	2/26/2022 12:53:59 AM
Motor Oil Range Organics (MRO)	4300	2100		mg/Kg	50	2/26/2022 12:53:59 AM
Surr: DNOP	0	51.1-141	S	%Rec	50	2/26/2022 12:53:59 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	660	23		mg/Kg	5	2/25/2022 8:02:36 PM
Surr: BFB	864	70-130	S	%Rec	5	2/25/2022 8:02:36 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	2/25/2022 8:02:36 PM
Toluene	6.9	0.23		mg/Kg	5	2/25/2022 8:02:36 PM
Ethylbenzene	27	2.3		mg/Kg	50	2/28/2022 10:26:16 AM
Xylenes, Total	50	0.46		mg/Kg	5	2/25/2022 8:02:36 PM
Surr: 4-Bromofluorobenzene	215	70-130	S	%Rec	5	2/25/2022 8:02:36 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	1500	60		mg/Kg	20	3/2/2022 3:08:30 AM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP4-4' R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-001

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/8/2022 4:14:55 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:14:55 PM
Surr: DNOP	76.5	51.1-141		%Rec	1	3/8/2022 4:14:55 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: BFB	99.4	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 7:17:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	59		mg/Kg	20	3/10/2022 6:06:15 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP5-4 R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-002

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	99	9.3		mg/Kg	1	3/8/2022 5:20:05 PM
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	3/8/2022 5:20:05 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/8/2022 5:20:05 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: BFB	97.6	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 9:35:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2600	150		mg/Kg	50	3/11/2022 1:36:44 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-003

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	98	7.5		mg/Kg	1	3/8/2022 4:25:50 PM
Motor Oil Range Organics (MRO)	71	38		mg/Kg	1	3/8/2022 4:25:50 PM
Surr: DNOP	83.7	51.1-141		%Rec	1	3/8/2022 4:25:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: BFB	96.0	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 10:34:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2500	150		mg/Kg	50	3/11/2022 1:49:06 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-004

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	57	8.5		mg/Kg	1	3/8/2022 4:36:43 PM
Motor Oil Range Organics (MRO)	55	43		mg/Kg	1	3/8/2022 4:36:43 PM
Surr: DNOP	104	51.1-141		%Rec	1	3/8/2022 4:36:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: BFB	95.0	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 11:33:00 PM
Toluene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	1500	60		mg/Kg	20	3/10/2022 6:43:28 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-005

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	3/8/2022 4:47:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/8/2022 4:47:35 PM
Surr: DNOP	109	51.1-141		%Rec	1	3/8/2022 4:47:35 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: BFB	104	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 11:52:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 6:55:52 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-006

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	35	9.1		mg/Kg	1	3/8/2022 4:58:28 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:58:28 PM
Surr: DNOP	94.4	51.1-141		%Rec	1	3/8/2022 4:58:28 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: BFB	97.7	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:12:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	60		mg/Kg	20	3/10/2022 7:08:16 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-007

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	32	9.1		mg/Kg	1	3/8/2022 5:09:18 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/8/2022 5:09:18 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/8/2022 5:09:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: BFB	97.8	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:31:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	88	60		mg/Kg	20	3/10/2022 7:20:40 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-008

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	3/9/2022 2:21:18 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/9/2022 2:21:18 PM
Surr: DNOP	100	51.1-141		%Rec	1	3/9/2022 2:21:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:51:00 AM
Toluene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 7:57:54 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-009

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/9/2022 2:32:00 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 2:32:00 PM
Surr: DNOP	99.7	51.1-141		%Rec	1	3/9/2022 2:32:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: BFB	98.9	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:11:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:10:18 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-010

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/9/2022 2:42:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 2:42:43 PM
Surr: DNOP	97.2	51.1-141		%Rec	1	3/9/2022 2:42:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: BFB	105	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:30:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:22:43 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-011

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 2:53:25 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 2:53:25 PM
Surr: DNOP	97.6	51.1-141		%Rec	1	3/9/2022 2:53:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: BFB	101	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:49:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:35:07 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-012

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 3:04:08 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 3:04:08 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/9/2022 3:04:08 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:48:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:47:31 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-013

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	64	9.8		mg/Kg	1	3/9/2022 3:14:53 PM
Motor Oil Range Organics (MRO)	55	49		mg/Kg	1	3/9/2022 3:14:53 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/9/2022 3:14:53 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: BFB	93.7	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 3:07:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1500	60		mg/Kg	20	3/10/2022 8:59:56 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-014

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	3/9/2022 3:25:38 PM
Motor Oil Range Organics (MRO)	95	49		mg/Kg	1	3/9/2022 3:25:38 PM
Surr: DNOP	98.0	51.1-141		%Rec	1	3/9/2022 3:25:38 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: BFB	91.6	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 3:27:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: 4-Bromofluorobenzene	78.5	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	2300	60		mg/Kg	20	3/10/2022 9:12:21 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-015

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	58	9.5		mg/Kg	1	3/9/2022 3:36:23 PM
Motor Oil Range Organics (MRO)	54	47		mg/Kg	1	3/9/2022 3:36:23 PM
Surr: DNOP	97.5	51.1-141		%Rec	1	3/9/2022 3:36:23 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: BFB	94.3	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 3:46:00 AM
Toluene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1600	60		mg/Kg	20	3/10/2022 9:24:45 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-016

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	35	8.6		mg/Kg	1	3/9/2022 3:47:07 PM
Motor Oil Range Organics (MRO)	43	43		mg/Kg	1	3/9/2022 3:47:07 PM
Surr: DNOP	105	51.1-141		%Rec	1	3/9/2022 3:47:07 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: BFB	94.4	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 4:06:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: LRN
Chloride	2300	150		mg/Kg	50	3/11/2022 2:01:27 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP4-4' R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-001

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/8/2022 4:14:55 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:14:55 PM
Surr: DNOP	76.5	51.1-141		%Rec	1	3/8/2022 4:14:55 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: BFB	99.4	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 7:17:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 7:17:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 7:17:00 PM
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	3/8/2022 7:17:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	59		mg/Kg	20	3/10/2022 6:06:15 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SP5-4 R

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-002

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	99	9.3		mg/Kg	1	3/8/2022 5:20:05 PM
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	3/8/2022 5:20:05 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/8/2022 5:20:05 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: BFB	97.6	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 9:35:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 9:35:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 9:35:00 PM
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	3/8/2022 9:35:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2600	150		mg/Kg	50	3/11/2022 1:36:44 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-003

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	98	7.5		mg/Kg	1	3/8/2022 4:25:50 PM
Motor Oil Range Organics (MRO)	71	38		mg/Kg	1	3/8/2022 4:25:50 PM
Surr: DNOP	83.7	51.1-141		%Rec	1	3/8/2022 4:25:50 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: BFB	96.0	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 10:34:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 10:34:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 10:34:00 PM
Surr: 4-Bromofluorobenzene	81.3	70-130		%Rec	1	3/8/2022 10:34:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>LRN</b>
Chloride	2500	150		mg/Kg	50	3/11/2022 1:49:06 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ2 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-004

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	57	8.5		mg/Kg	1	3/8/2022 4:36:43 PM
Motor Oil Range Organics (MRO)	55	43		mg/Kg	1	3/8/2022 4:36:43 PM
Surr: DNOP	104	51.1-141		%Rec	1	3/8/2022 4:36:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: BFB	95.0	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 11:33:00 PM
Toluene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	3/8/2022 11:33:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	3/8/2022 11:33:00 PM
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	3/8/2022 11:33:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	1500	60		mg/Kg	20	3/10/2022 6:43:28 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-005

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	3/8/2022 4:47:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/8/2022 4:47:35 PM
Surr: DNOP	109	51.1-141		%Rec	1	3/8/2022 4:47:35 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: BFB	104	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 11:52:00 PM
Toluene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 11:52:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/8/2022 11:52:00 PM
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	3/8/2022 11:52:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 6:55:52 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ3 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-006

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	35	9.1		mg/Kg	1	3/8/2022 4:58:28 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/8/2022 4:58:28 PM
Surr: DNOP	94.4	51.1-141		%Rec	1	3/8/2022 4:58:28 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: BFB	97.7	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:12:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:12:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/9/2022 12:12:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 12:12:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	2200	60		mg/Kg	20	3/10/2022 7:08:16 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-007

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	32	9.1		mg/Kg	1	3/8/2022 5:09:18 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/8/2022 5:09:18 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/8/2022 5:09:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: BFB	97.8	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:31:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 12:31:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 12:31:00 AM
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	3/9/2022 12:31:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>JMT</b>
Chloride	88	60		mg/Kg	20	3/10/2022 7:20:40 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ4 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-008

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	3/9/2022 2:21:18 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/9/2022 2:21:18 PM
Surr: DNOP	100	51.1-141		%Rec	1	3/9/2022 2:21:18 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 12:51:00 AM
Toluene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	3/9/2022 12:51:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	3/9/2022 12:51:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 12:51:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 7:57:54 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-009

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/9/2022 2:32:00 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 2:32:00 PM
Surr: DNOP	99.7	51.1-141		%Rec	1	3/9/2022 2:32:00 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: BFB	98.9	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:11:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:11:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:11:00 AM
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	3/9/2022 1:11:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:10:18 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ5 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-010

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/9/2022 2:42:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 2:42:43 PM
Surr: DNOP	97.2	51.1-141		%Rec	1	3/9/2022 2:42:43 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: BFB	105	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:30:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:30:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:30:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 1:30:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:22:43 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-011

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 2:53:25 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 2:53:25 PM
Surr: DNOP	97.6	51.1-141		%Rec	1	3/9/2022 2:53:25 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: BFB	101	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:49:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:49:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 1:49:00 AM
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	3/9/2022 1:49:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:35:07 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ6 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-012

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 3:04:08 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 3:04:08 PM
Surr: DNOP	101	51.1-141		%Rec	1	3/9/2022 3:04:08 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: BFB	98.2	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:48:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:48:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 2:48:00 AM
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	3/9/2022 2:48:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/10/2022 8:47:31 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-013

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	64	9.8		mg/Kg	1	3/9/2022 3:14:53 PM
Motor Oil Range Organics (MRO)	55	49		mg/Kg	1	3/9/2022 3:14:53 PM
Surr: DNOP	99.4	51.1-141		%Rec	1	3/9/2022 3:14:53 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: BFB	93.7	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/9/2022 3:07:00 AM
Toluene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/9/2022 3:07:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	3/9/2022 3:07:00 AM
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	3/9/2022 3:07:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1500	60		mg/Kg	20	3/10/2022 8:59:56 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ7 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-014

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	3/9/2022 3:25:38 PM
Motor Oil Range Organics (MRO)	95	49		mg/Kg	1	3/9/2022 3:25:38 PM
Surr: DNOP	98.0	51.1-141		%Rec	1	3/9/2022 3:25:38 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: BFB	91.6	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/9/2022 3:27:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 3:27:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 3:27:00 AM
Surr: 4-Bromofluorobenzene	78.5	70-130		%Rec	1	3/9/2022 3:27:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	2300	60		mg/Kg	20	3/10/2022 9:12:21 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - Surf

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-015

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	58	9.5		mg/Kg	1	3/9/2022 3:36:23 PM
Motor Oil Range Organics (MRO)	54	47		mg/Kg	1	3/9/2022 3:36:23 PM
Surr: DNOP	97.5	51.1-141		%Rec	1	3/9/2022 3:36:23 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: BFB	94.3	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 3:46:00 AM
Toluene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/9/2022 3:46:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	3/9/2022 3:46:00 AM
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	3/9/2022 3:46:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: JMT
Chloride	1600	60		mg/Kg	20	3/10/2022 9:24:45 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203293

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: HZ8 - 1'

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203293-016

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: JME
Diesel Range Organics (DRO)	35	8.6		mg/Kg	1	3/9/2022 3:47:07 PM
Motor Oil Range Organics (MRO)	43	43		mg/Kg	1	3/9/2022 3:47:07 PM
Surr: DNOP	105	51.1-141		%Rec	1	3/9/2022 3:47:07 PM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: BFB	94.4	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/9/2022 4:06:00 AM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 4:06:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 4:06:00 AM
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	3/9/2022 4:06:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: LRN
Chloride	2300	150		mg/Kg	50	3/11/2022 2:01:27 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: CFS1

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-001

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/9/2022 5:42:12 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/9/2022 5:42:12 AM
Surr: DNOP	56.4	51.1-141		%Rec	1	3/9/2022 5:42:12 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 11:32:00 AM
Surr: BFB	111	70-130		%Rec	1	3/9/2022 11:32:00 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 11:32:00 AM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 11:32:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 11:32:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 11:32:00 AM
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	3/9/2022 11:32:00 AM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 8:48:27 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: CFS2

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-002

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 5:52:52 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 5:52:52 AM
Surr: DNOP	54.4	51.1-141		%Rec	1	3/9/2022 5:52:52 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 12:32:00 PM
Surr: BFB	99.5	70-130		%Rec	1	3/9/2022 12:32:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 12:32:00 PM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 12:32:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 12:32:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 12:32:00 PM
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	3/9/2022 12:32:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 9:25:43 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: CFS3

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-003

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/9/2022 6:03:32 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 6:03:32 AM
Surr: DNOP	55.6	51.1-141		%Rec	1	3/9/2022 6:03:32 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 12:51:00 PM
Surr: BFB	108	70-130		%Rec	1	3/9/2022 12:51:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:51:00 PM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 12:51:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 12:51:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/9/2022 12:51:00 PM
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	3/9/2022 12:51:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 9:38:08 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: CFS4

Project: Skelly

Collection Date: 3/1/2022

Lab ID: 2203301-004

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	66	9.3		mg/Kg	1	3/9/2022 6:14:10 AM
Motor Oil Range Organics (MRO)	62	46		mg/Kg	1	3/9/2022 6:14:10 AM
Surr: DNOP	111	51.1-141		%Rec	1	3/9/2022 6:14:10 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 1:11:00 PM
Surr: BFB	100	70-130		%Rec	1	3/9/2022 1:11:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:11:00 PM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 1:11:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 1:11:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 1:11:00 PM
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	3/9/2022 1:11:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	2000	60		mg/Kg	20	3/10/2022 9:50:32 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		



## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: CFS5

Project: Skelly

Collection Date: 3/1/2022

Lab ID: 2203301-005

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	51	9.9		mg/Kg	1	3/9/2022 6:24:47 AM
Motor Oil Range Organics (MRO)	50	50		mg/Kg	1	3/9/2022 6:24:47 AM
Surr: DNOP	88.5	51.1-141		%Rec	1	3/9/2022 6:24:47 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:31:00 PM
Surr: BFB	103	70-130		%Rec	1	3/9/2022 1:31:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 1:31:00 PM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:31:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:31:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 1:31:00 PM
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	3/9/2022 1:31:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	2200	60		mg/Kg	20	3/10/2022 10:02:57 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SW1

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-006

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	3/9/2022 6:35:21 AM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	3/9/2022 6:35:21 AM
Surr: DNOP	72.2	51.1-141		%Rec	1	3/9/2022 6:35:21 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 1:51:00 PM
Surr: BFB	104	70-130		%Rec	1	3/9/2022 1:51:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 1:51:00 PM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 1:51:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 1:51:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	3/9/2022 1:51:00 PM
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	3/9/2022 1:51:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 10:15:22 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SW2

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-007

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 6:45:53 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 6:45:53 AM
Surr: DNOP	67.3	51.1-141		%Rec	1	3/9/2022 6:45:53 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:11:00 PM
Surr: BFB	101	70-130		%Rec	1	3/9/2022 2:11:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:11:00 PM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:11:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:11:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 2:11:00 PM
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	3/9/2022 2:11:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 10:27:47 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SW3

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-008

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 6:56:24 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 6:56:24 AM
Surr: DNOP	71.8	51.1-141		%Rec	1	3/9/2022 6:56:24 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:31:00 PM
Surr: BFB	105	70-130		%Rec	1	3/9/2022 2:31:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:31:00 PM
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:31:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:31:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 2:31:00 PM
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	3/9/2022 2:31:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 11:05:01 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2203301

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: LH Operating, LLC

Client Sample ID: SW4

Project: Skelly

Collection Date: 2/28/2022

Lab ID: 2203301-009

Matrix: SOIL

Received Date: 3/4/2022 8:00:00 AM

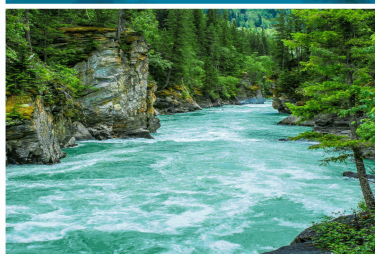
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>						Analyst: <b>SB</b>
Diesel Range Organics (DRO)	93	9.5		mg/Kg	1	3/9/2022 7:06:54 AM
Motor Oil Range Organics (MRO)	80	47		mg/Kg	1	3/9/2022 7:06:54 AM
Surr: DNOP	135	51.1-141		%Rec	1	3/9/2022 7:06:54 AM
<b>EPA METHOD 8015D: GASOLINE RANGE</b>						Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 2:50:00 PM
Surr: BFB	106	70-130		%Rec	1	3/9/2022 2:50:00 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:50:00 PM
Toluene	ND	0.049		mg/Kg	1	3/9/2022 2:50:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 2:50:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 2:50:00 PM
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	3/9/2022 2:50:00 PM
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>CAS</b>
Chloride	2300	60	E	mg/Kg	20	3/10/2022 11:17:26 PM

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Report to:  
Lindsey Nevels



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

LH Operating

Project Name: Skelly  
Work Order: E203138  
Job Number: 22010-0001  
Received: 3/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/30/22

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 3/30/22

Lindsey Nevels  
4809 Cole Ave  
Dallas, TX 75205



Project Name: Skelly  
Workorder: E203138  
Date Received: 3/22/2022 10:30:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2022 10:30:00AM, under the Project Name: Skelly.

The analytical test results summarized in this report with the Project Name: Skelly apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Alexa Michaels**  
Sample Custody Officer  
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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	Reported: 03/30/22 14:10
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HZ 1A Surf	E203138-01A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 1A 1'	E203138-02A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 2A Surf	E203138-03A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 2A 1'	E203138-04A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 3A Surf	E203138-05A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 3A 1'	E203138-06A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 7A Surf	E203138-07A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 7A 1'	E203138-08A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 8A Surf	E203138-09A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
HZ 8A 1'	E203138-10A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 1A Surf

## E203138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: Bromofluorobenzene</i>	92.5 %	70-130		03/23/22	03/29/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		03/23/22	03/29/22	
<i>Surrogate: Toluene-d8</i>	98.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: Bromofluorobenzene</i>	92.5 %	70-130		03/23/22	03/29/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	70-130		03/23/22	03/29/22	
<i>Surrogate: Toluene-d8</i>	98.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
<i>Surrogate: n-Nonane</i>	86.0 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 1A 1'

## E203138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.2 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.2 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	82.5 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 2A Surf

## E203138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/28/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/28/22	
Toluene	ND	0.0250	1	03/23/22	03/28/22	
o-Xylene	ND	0.0250	1	03/23/22	03/28/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/28/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/28/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/23/22	03/28/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/28/22	
Surrogate: Toluene-d8	99.1 %	70-130		03/23/22	03/28/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/28/22	
Surrogate: Bromofluorobenzene	93.4 %	70-130		03/23/22	03/28/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/28/22	
Surrogate: Toluene-d8	99.1 %	70-130		03/23/22	03/28/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	77.3 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	





## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 2A 1'

## E203138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.5 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.4 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	77.9 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 3A Surf

## E203138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	76.2 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 3A 1'

## E203138-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.4 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	80.7 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 7A Surf

## E203138-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.7 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	80.7 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 7A 1'

## E203138-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.5 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.9 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	98.5 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.5 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	76.9 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	21.0	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 8A Surf

## E203138-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	77.8 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	





## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:10:27PM

## HZ 8A 1'

## E203138-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.0 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.1 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.0 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213043
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	83.6 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	ND	20.0	1	03/24/22	03/24/22	



## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:10:27PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

## Blank (2213033-BLK1)

Prepared: 03/23/22 Analyzed: 03/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

## LCS (2213033-BS1)

Prepared: 03/23/22 Analyzed: 03/28/22

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
p,m-Xylene	5.13	0.0500	5.00		103	70-130			
Total Xylenes	7.68	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## Matrix Spike (2213033-MS1)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	2.55	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.63	0.0250	2.50	ND	105	48-130			
o-Xylene	2.50	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.54	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike Dup (2213033-MSD1)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	2.51	0.0250	2.50	ND	100	48-131	1.50	23	
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135	3.23	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	4.35	24	
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135	2.10	27	
p,m-Xylene	4.89	0.0500	5.00	ND	97.9	43-135	2.80	27	
Total Xylenes	7.34	0.0250	7.50	ND	97.9	43-135	2.57	27	
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:10:27PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213033-BLK1)

Prepared: 03/23/22 Analyzed: 03/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

## LCS (2213033-BS2)

Prepared: 03/23/22 Analyzed: 03/28/22

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.465		0.500		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## Matrix Spike (2213033-MS2)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## Matrix Spike Dup (2213033-MSD2)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.466		0.500		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	<b>Reported:</b>
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:10:27PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213043-BLK1)

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	40.2		50.0		80.4	50-200			

## LCS (2213043-BS1)

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	476	25.0	500		95.1	38-132			
Surrogate: <i>n</i> -Nonane	37.5		50.0		75.1	50-200			

## Matrix Spike (2213043-MS1)

Source: E203146-02

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	486	25.0	500	ND	97.1	38-132			
Surrogate: <i>n</i> -Nonane	38.5		50.0		76.9	50-200			

## Matrix Spike Dup (2213043-MSD1)

Source: E203146-02

Prepared: 03/24/22 Analyzed: 03/24/22

Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.9	38-132	0.278	20	
Surrogate: <i>n</i> -Nonane	37.8		50.0		75.6	50-200			



## QC Summary Data

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	<b>Reported:</b> 3/30/2022 2:10:27PM
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## Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213046-BLK1)

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride	ND	20.0
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## LCS (2213046-BS1)

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride	246	20.0	250	98.5	90-110
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## Matrix Spike (2213046-MS1)

Source: E203138-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride	254	20.0	250	ND	102	80-120
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## Matrix Spike Dup (2213046-MSD1)

Source: E203138-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride	256	20.0	250	ND	102	80-120	0.485	20
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## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

LH Operating	Project Name:	Skelly	
4809 Cole Ave	Project Number:	22010-0001	Reported:
Dallas TX, 75205	Project Manager:	Lindsey Nevels	03/30/22 14:10

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Project Information

## Chain of Custody

Page 1 of 1

Client: LH Operating				<b>Bill To</b> Attention: HMSS Address: 1909 E 1-20 City, State, Zip: Midland Tx 79701 Phone: 432 241--2480 Email: <a href="mailto:inevels@hazmatspecialservices.com">inevels@hazmatspecialservices.com</a>			Lab Use Only						TAT				EPA Program		
Project: Skelly							Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Lindsey Nevels							PE203138		22010-0001					X					
Address: 1909 E 1-20							Analysis and Method										RCRA		
City, State, Zip: Midland, Tx 79701, NM, 88260																	State		
Phone: 432 241-2480														NM		CO	UT	AZ	TX
Email: inevels@hazmatspecialservices.com														X					
Report due by:														Remarks					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX					
	3/16/22		1	HZ 1A	Surf	1							X						
	3/16/22		1	HZ 1A	1'	2							X						
	3/16/22		1	HZ 2A	Surf	3							X						
	3/16/22		1	HZ 2A	1'	4							X						
	3/16/22		1	HZ 3A	Surf	5							X						
	3/16/22		1	HZ 3A	1'	6							X						
	3/16/22		1	HZ 7A	Surf	7							X						
	3/16/22		1	HZ 7A	1'	8							X						
	3/16/22		1	HZ 8A	Surf	9							X						
	3/16/22		1	HZ 8A	1'	10							X						

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 3/24/2022 8:50:37AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	LH Operating	Date Received:	03/22/22 10:30	Work Order ID:	E203138
Phone:	-	Date Logged In:	03/22/22 11:04	Logged In By:	Caitlin Christian
Email:	lnevels@hazmatspecialservices.com	Due Date:	03/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Sampled times and sample matrix not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Lindsey Nevels



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

LH Operating

Project Name: Skelly  
Work Order: E203139  
Job Number: 22010-0001  
Received: 3/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/28/22

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/28/22

Lindsey Nevels  
4809 Cole Ave  
Dallas, TX 75205



Project Name: Skelly  
Workorder: E203139  
Date Received: 3/22/2022 10:30:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2022 10:30:00AM, under the Project Name: Skelly.

The analytical test results summarized in this report with the Project Name: Skelly apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
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**Lynn Jarboe**  
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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	03/28/22 16:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CF S4 14'	E203139-01A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
CF S5 16'	E203139-02A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.





## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/28/2022 4:19:53PM

## CF S4 14'

## E203139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Benzene	ND	0.0250	1	03/22/22	03/23/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/23/22	
Toluene	ND	0.0250	1	03/22/22	03/23/22	
o-Xylene	ND	0.0250	1	03/22/22	03/23/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/23/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/23/22	
Surrogate: 4-Bromochlorobenzene-PID	93.3 %	70-130		03/22/22	03/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/23/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		03/22/22	03/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	74.8 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213035
Chloride	33.4	20.0	1	03/23/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/28/2022 4:19:53PM

CF S5 16'

E203139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Benzene	ND	0.0250	1	03/22/22	03/23/22	
Ethylbenzene	ND	0.0250	1	03/22/22	03/23/22	
Toluene	ND	0.0250	1	03/22/22	03/23/22	
o-Xylene	ND	0.0250	1	03/22/22	03/23/22	
p,m-Xylene	ND	0.0500	1	03/22/22	03/23/22	
Total Xylenes	ND	0.0250	1	03/22/22	03/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		03/22/22	03/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213027
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/22	03/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		03/22/22	03/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
	76.0 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213035
Chloride	25.3	20.0	1	03/23/22	03/24/22	



## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/28/2022 4:19:53PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213027-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

## LCS (2213027-BS1)

Prepared: 03/22/22 Analyzed: 03/22/22

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130			
Total Xylenes	14.2	0.0250	15.0		94.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

## LCS Dup (2213027-BSD1)

Prepared: 03/22/22 Analyzed: 03/22/22

Benzene	4.89	0.0250	5.00		97.7	70-130	7.34	20	
Ethylbenzene	5.05	0.0250	5.00		101	70-130	7.35	20	
Toluene	5.27	0.0250	5.00		105	70-130	7.17	20	
o-Xylene	5.01	0.0250	5.00		100	70-130	7.50	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	7.19	20	
Total Xylenes	15.3	0.0250	15.0		102	70-130	7.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	<b>Reported:</b>
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/28/2022 4:19:53PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213027-BLK1)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

## LCS (2213027-BS2)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0		94.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

## LCS Dup (2213027-BSD2)

Prepared: 03/22/22 Analyzed: 03/22/22

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130	1.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	<b>Reported:</b>
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/28/2022 4:19:53PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213042-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	36.9		50.0		73.8	50-200			

## LCS (2213042-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	434	25.0	500		86.9	38-132			
Surrogate: <i>n</i> -Nonane	35.0		50.0		70.1	50-200			

## Matrix Spike (2213042-MS1)

Source: E203140-05

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	741	25.0	500	387	70.6	38-132			
Surrogate: <i>n</i> -Nonane	34.4		50.0		68.9	50-200			

## Matrix Spike Dup (2213042-MSD1)

Source: E203140-05

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	765	25.0	500	387	75.5	38-132	3.25	20	
Surrogate: <i>n</i> -Nonane	34.7		50.0		69.4	50-200			



## QC Summary Data

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	<b>Reported:</b> 3/28/2022 4:19:53PM
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## Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213035-BLK1)

Prepared: 03/23/22 Analyzed: 03/24/22

Chloride	ND	20.0							
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## LCS (2213035-BS1)

Prepared: 03/23/22 Analyzed: 03/24/22

Chloride	252	20.0	250		101	90-110			
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## Matrix Spike (2213035-MS1)

Source: E203088-01

Prepared: 03/23/22 Analyzed: 03/24/22

Chloride	331	20.0	250	64.4	107	80-120			
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## Matrix Spike Dup (2213035-MSD1)

Source: E203088-01

Prepared: 03/23/22 Analyzed: 03/24/22

Chloride	384	20.0	250	64.4	128	80-120	14.9	20	M2
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## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.





## Definitions and Notes

LH Operating	Project Name:	Skelly	
4809 Cole Ave	Project Number:	22010-0001	<b>Reported:</b>
Dallas TX, 75205	Project Manager:	Lindsey Nevels	03/28/22 16:19

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Project Information

## Chain of Custody

Page 1 of 1

Client: LH Operating		Bill To		Lab Use Only		TAT				EPA Program			
Project: Skelly				Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Lindsey Nevels		Attention: HMSS		PE203139		22010-0001					X		
Address: 1909 E I-20		Address: 1909 E I-20											
City, State, Zip: Midland, Tx 79701, NM, 88260		City, State, Zip: Midland Tx 79701										RCRA	
Phone: 432 241-2480		Phone: 432 241-2480											
Email: lnevels@hazmatspecialservices.com		Email: lnevels@hazmatspecialservices.com											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	3/16/22			CF S4	14'	1							X		
	3/16/22			CF S5	16'	2							X		

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 3/24/2022 8:46:29AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	LH Operating	Date Received:	03/22/22 10:30	Work Order ID:	E203139
Phone:	-	Date Logged In:	03/22/22 11:36	Logged In By:	Caitlin Christian
Email:	lnevels@hazmatspecialservices.com	Due Date:	03/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Sampled times and sample matrix not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Lindsey Nevels



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

LH Operating

Project Name: Skelly  
Work Order: E203140  
Job Number: 22010-0001  
Received: 3/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/30/22

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 3/30/22

Lindsey Nevels  
4809 Cole Ave  
Dallas, TX 75205



Project Name: Skelly  
Workorder: E203140  
Date Received: 3/22/2022 10:30:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2022 10:30:00AM, under the Project Name: Skelly.

The analytical test results summarized in this report with the Project Name: Skelly apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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## Sample Summary

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	Reported: 03/30/22 14:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL1 4'	E203140-01A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL2 4'	E203140-02A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL3 4'	E203140-03A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL4 4'	E203140-04A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL5 4'	E203140-05A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL6 4'	E203140-06A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL7 4'	E203140-07A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL8 4'	E203140-08A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL9 4'	E203140-09A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
FL10 4'	E203140-10A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

FL1 4'

E203140-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.9 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.8 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.9 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	66.5 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	66.9	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL2 4'

## E203140-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	70.7 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	65.4	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL3 4'

## E203140-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	90.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	90.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	145	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	76.2	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	75.5 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	218	20.0	1	03/24/22	03/24/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL4 4'

## E203140-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	96.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	96.7 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	72.2 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	69.4	20.0	1	03/24/22	03/25/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

FL5 4'

E203140-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	92.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	387	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	186	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	59.2 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	811	20.0	1	03/24/22	03/25/22	





## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL6 4'

## E203140-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	1150	25.0	1	03/24/22	03/25/22	
Oil Range Organics (C28-C36)	514	50.0	1	03/24/22	03/25/22	
Surrogate: n-Nonane	81.1 %	50-200		03/24/22	03/25/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	393	20.0	1	03/24/22	03/25/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

FL7 4'

E203140-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213033	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213033	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213042	
Diesel Range Organics (C10-C28)	170	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	94.0	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	70.3 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2213046	
Chloride	417	20.0	1	03/24/22	03/25/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL8 4'

## E203140-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	93.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	88.8	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	58.7	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	68.3 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	1180	40.0	2	03/24/22	03/25/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

FL9 4'

E203140-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	93.1 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	75.8 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	1540	40.0	2	03/24/22	03/25/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 2:16:25PM

## FL10 4'

## E203140-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213033
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: Bromofluorobenzene	94.6 %	70-130		03/23/22	03/29/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/23/22	03/29/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213042
Diesel Range Organics (C10-C28)	107	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	65.3	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	75.8 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2213046
Chloride	1810	40.0	2	03/24/22	03/25/22	



## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:16:25PM

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

## Blank (2213033-BLK1)

Prepared: 03/23/22 Analyzed: 03/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

## LCS (2213033-BS1)

Prepared: 03/23/22 Analyzed: 03/28/22

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.67	0.0250	2.50		107	70-130			
o-Xylene	2.55	0.0250	2.50		102	70-130			
p,m-Xylene	5.13	0.0500	5.00		103	70-130			
Total Xylenes	7.68	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## Matrix Spike (2213033-MS1)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	2.55	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135			
Toluene	2.63	0.0250	2.50	ND	105	48-130			
o-Xylene	2.50	0.0250	2.50	ND	100	43-135			
p,m-Xylene	5.03	0.0500	5.00	ND	101	43-135			
Total Xylenes	7.54	0.0250	7.50	ND	100	43-135			
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike Dup (2213033-MSD1)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	2.51	0.0250	2.50	ND	100	48-131	1.50	23	
Ethylbenzene	2.51	0.0250	2.50	ND	101	45-135	3.23	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	4.35	24	
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135	2.10	27	
p,m-Xylene	4.89	0.0500	5.00	ND	97.9	43-135	2.80	27	
Total Xylenes	7.34	0.0250	7.50	ND	97.9	43-135	2.57	27	
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			





## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:16:25PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213033-BLK1)

Prepared: 03/23/22 Analyzed: 03/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

## LCS (2213033-BS2)

Prepared: 03/23/22 Analyzed: 03/28/22

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.465		0.500		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## Matrix Spike (2213033-MS2)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.7	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

## Matrix Spike Dup (2213033-MSD2)

Source: E203138-03

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.466		0.500		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	<b>Reported:</b>
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 2:16:25PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213042-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	36.9		50.0		73.8	50-200			

## LCS (2213042-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	434	25.0	500		86.9	38-132			
Surrogate: <i>n</i> -Nonane	35.0		50.0		70.1	50-200			

## Matrix Spike (2213042-MS1)

Source: E203140-05

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	741	25.0	500	387	70.6	38-132			
Surrogate: <i>n</i> -Nonane	34.4		50.0		68.9	50-200			

## Matrix Spike Dup (2213042-MSD1)

Source: E203140-05

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	765	25.0	500	387	75.5	38-132	3.25	20	
Surrogate: <i>n</i> -Nonane	34.7		50.0		69.4	50-200			



## QC Summary Data

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	<b>Reported:</b> 3/30/2022 2:16:25PM
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## Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213046-BLK1)

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride ND 20.0

## LCS (2213046-BS1)

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride 246 20.0 250 98.5 90-110

## Matrix Spike (2213046-MS1)

Source: E203138-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride 254 20.0 250 ND 102 80-120

## Matrix Spike Dup (2213046-MSD1)

Source: E203138-01

Prepared: 03/24/22 Analyzed: 03/24/22

Chloride 256 20.0 250 ND 102 80-120 0.485 20

## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

LH Operating	Project Name:	Skelly	
4809 Cole Ave	Project Number:	22010-0001	Reported:
Dallas TX, 75205	Project Manager:	Lindsey Nevels	03/30/22 14:16

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released by Imaging: 9/9/2022 3:34:51 PM

Client: LH Operating		<b>Bill To</b> Attention: HMSS Address: 1909 E I-20 City, State, Zip: Midland Tx 79701 Phone: 432 241-2480 Email: <a href="mailto:linevels@hazmatspecialservices.com">linevels@hazmatspecialservices.com</a>		Lab Use Only						TAT				EPA Program	
Project: Skelly				Lab WO# PE.203140		Job Number 2200-0001				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Lindsey Nevels															
Address: 1909 E I-20															
City, State, Zip: Midland, Tx 79701, NM, 88260															
Phone: 432 241-2480															
Email: linevels@hazmatspecialservices.com															
Report due by:															

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	3/16/22		1	FL1	4'	1							X		
	3/16/22		1	FL2	4'	2							X		
	3/16/22		1	FL3	4'	3							X		
	3/16/22		1	FL4	4'	4							X		
	3/16/22		1	FL5	4'	5							X		
	3/16/22		1	FL6	4'	6							X		
	3/16/22		1	FL7	4'	7							X		
	3/16/22		1	FL8	4'	8							X		
	3/16/22		1	FL9	4'	9							X		
	3/16/22		1	FL10	4'	10							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
		3/22/22				3/22/22	11:45	Received on ice: Y / N	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3	
		3/21/22	5:30			3/22/22	10:30		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C	
								4	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Received by OGD: 5/21/2022 7:42:43 AM

Page 173 of 201

## Envirotech Analytical Laboratory

Printed: 3/24/2022 8:42:34AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	LH Operating	Date Received:	03/22/22 10:30	Work Order ID:	E203140
Phone:	-	Date Logged In:	03/22/22 11:41	Logged In By:	Caitlin Christian
Email:	lnevels@hazmatspecialservices.com	Due Date:	03/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Sampled times and matrix not provided on COC.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Lindsey Nevels



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

LH Operating

Project Name: Skelly  
Work Order: E203142  
Job Number: 22010-0001  
Received: 3/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/30/22

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)



Date Reported: 3/30/22

Lindsey Nevels  
4809 Cole Ave  
Dallas, TX 75205



Project Name: Skelly  
Workorder: E203142  
Date Received: 3/22/2022 10:30:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2022 10:30:00AM, under the Project Name: Skelly.

The analytical test results summarized in this report with the Project Name: Skelly apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
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[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	Reported: 03/30/22 12:51
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW4 A	E203142-01A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW5	E203142-02A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW6	E203142-03A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW7	E203142-04A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW8	E203142-05A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW9	E203142-06A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW10	E203142-07A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW11	E203142-08A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW12	E203142-09A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.
SW4A - 1'	E203142-10A	Soil	03/16/22	03/22/22	Glass Jar, 4 oz.



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW4 A

## E203142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213041	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/28/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	03/24/22	03/28/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213045	
Chloride	ND	20.0	1	03/24/22	03/28/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW5

## E203142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213041	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213045	
Chloride	24.3	20.0	1	03/24/22	03/28/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW6

## E203142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213041	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		81.5 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213045	
Chloride	22.8	20.0	1	03/24/22	03/28/22	



## Sample Data

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	Reported: 3/30/2022 12:51:12PM
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SW7

E203142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2213041	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
Surrogate: n-Nonane	78.2 %	50-200		03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2213045	
Chloride	23.0	20.0	1	03/24/22	03/28/22	





## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW8

## E203142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		79.0 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213045
Chloride	39.7	20.0	1	03/24/22	03/28/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW9

## E203142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		78.5 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213045
Chloride	23.5	20.0	1	03/24/22	03/29/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW10

## E203142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2213034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2213041	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		78.2 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2213045	
Chloride	26.1	20.0	1	03/24/22	03/29/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW11

## E203142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		79.8 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213045
Chloride	24.5	20.0	1	03/24/22	03/29/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW12

## E203142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213041
Diesel Range Organics (C10-C28)	31.0	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		88.0 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213045
Chloride	20.5	20.0	1	03/24/22	03/29/22	



## Sample Data

LH Operating  
4809 Cole Ave  
Dallas TX, 75205

Project Name: Skelly  
Project Number: 22010-0001  
Project Manager: Lindsey Nevels

**Reported:**  
3/30/2022 12:51:12PM

## SW4A - 1'

## E203142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Benzene	ND	0.0250	1	03/23/22	03/29/22	
Ethylbenzene	ND	0.0250	1	03/23/22	03/29/22	
Toluene	ND	0.0250	1	03/23/22	03/29/22	
o-Xylene	ND	0.0250	1	03/23/22	03/29/22	
p,m-Xylene	ND	0.0500	1	03/23/22	03/29/22	
Total Xylenes	ND	0.0250	1	03/23/22	03/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2213034
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/23/22	03/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.0 %	70-130	03/23/22	03/29/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2213041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/24/22	03/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/24/22	03/26/22	
<i>Surrogate: n-Nonane</i>						
		82.9 %	50-200	03/24/22	03/26/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2213045
Chloride	22.7	20.0	1	03/24/22	03/29/22	



## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 12:51:12PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213034-BLK1)

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130			

## LCS (2213034-BS1)

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	4.73	0.0250	5.00		94.6	70-130			
Ethylbenzene	4.45	0.0250	5.00		89.1	70-130			
Toluene	4.66	0.0250	5.00		93.2	70-130			
o-Xylene	4.64	0.0250	5.00		92.8	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			

## Matrix Spike (2213034-MS1)

Source: E203141-01

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	5.18	0.0250	5.00	ND	104	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	61-133			
Toluene	5.09	0.0250	5.00	ND	102	61-130			
o-Xylene	5.04	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			

## Matrix Spike Dup (2213034-MSD1)

Source: E203141-01

Prepared: 03/23/22 Analyzed: 03/29/22

Benzene	5.24	0.0250	5.00	ND	105	54-133	1.11	20	
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133	1.14	20	
Toluene	5.15	0.0250	5.00	ND	103	61-130	1.16	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	0.368	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.06	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	0.827	20	
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			





## QC Summary Data

LH Operating	Project Name:	Skelly	Reported:
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 12:51:12PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213034-BLK1)

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

## LCS (2213034-BS2)

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.4	70-130			

## Matrix Spike (2213034-MS2)

Source: E203141-01

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			

## Matrix Spike Dup (2213034-MSD2)

Source: E203141-01

Prepared: 03/23/22 Analyzed: 03/29/22

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0	ND	115	70-130	1.74	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.2	70-130			



## QC Summary Data

LH Operating	Project Name:	Skelly	<b>Reported:</b>
4809 Cole Ave	Project Number:	22010-0001	
Dallas TX, 75205	Project Manager:	Lindsey Nevels	3/30/2022 12:51:12PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213041-BLK1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	37.8		50.0		75.6	50-200			

## LCS (2213041-BS1)

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	477	25.0	500		95.3	38-132			
Surrogate: <i>n</i> -Nonane	36.2		50.0		72.5	50-200			

## Matrix Spike (2213041-MS1)

Source: E203141-08

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	465	25.0	500	ND	93.0	38-132			
Surrogate: <i>n</i> -Nonane	39.1		50.0		78.2	50-200			

## Matrix Spike Dup (2213041-MSD1)

Source: E203141-08

Prepared: 03/24/22 Analyzed: 03/25/22

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.7	38-132	1.47	20	
Surrogate: <i>n</i> -Nonane	39.1		50.0		78.2	50-200			



## QC Summary Data

LH Operating 4809 Cole Ave Dallas TX, 75205	Project Name: Skelly Project Number: 22010-0001 Project Manager: Lindsey Nevels	<b>Reported:</b> 3/30/2022 12:51:12PM
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## Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2213045-BLK1)

Prepared: 03/24/22 Analyzed: 03/28/22

Chloride	ND	20.0							
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## LCS (2213045-BS1)

Prepared: 03/24/22 Analyzed: 03/28/22

Chloride	258	20.0	250		103	90-110			
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## Matrix Spike (2213045-MS1)

Source: E203141-01

Prepared: 03/24/22 Analyzed: 03/28/22

Chloride	34300	2000	250	35800	NR	80-120			M5
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## Matrix Spike Dup (2213045-MSD1)

Source: E203141-01

Prepared: 03/24/22 Analyzed: 03/28/22

Chloride	38200	2000	250	35800	964	80-120	10.9	20	M5
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## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

LH Operating	Project Name:	Skelly	
4809 Cole Ave	Project Number:	22010-0001	<b>Reported:</b>
Dallas TX, 75205	Project Manager:	Lindsey Nevels	03/30/22 12:51

M5      The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated LCS spike recovery was acceptable.

ND      Analyte NOT DETECTED at or above the reporting limit

NR      Not Reported

RPD      Relative Percent Difference

DNI      Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Project Information

## Chain of Custody

Page 1 of 1

Client: LH Operating				<b>Bill To</b> Attention: HMSS Address: 1909 E I-20 City, State, Zip: Midland Tx 79701 Phone: 432 241--2480 Email: <a href="mailto:inevels@hazmatspecialservices.com">inevels@hazmatspecialservices.com</a>		Lab Use Only								TAT				EPA Program			
Project: Skelly						Lab WO# PE203142		Job Number 22010-0001		1D	2D	3D	Standard		CWA	SDWA					
Project Manager: Lindsey Nevels						Address: 1909 E I-20										X					
Address: 1909 E I-20						City, State, Zip: Midland Tx 79701		Analysis and Method										RCRA			
City, State, Zip: Midland, Tx 79701, NM, 88260						Phone: 432 241--2480		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX				
Phone: 432 241-2480				Email: <a href="mailto:inevels@hazmatspecialservices.com">inevels@hazmatspecialservices.com</a>												State					
Report due by:																NM	CO	UT	AZ	TX	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number											Remarks				
	3/16/22		1	SW4 A		1									X						
	3/16/22		1	SW5		2									X						
	3/16/22		1	SW6		3									X						
	3/16/22		1	SW7		4									X						
	3/16/22		1	SW8		5									X						
	3/16/22		1	SW9		6									X						
	3/16/22		1	SW10		7									X						
	3/16/22			SW11		8									✓						
	3/16/22			SW12		9									X						

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

## Envirotech Analytical Laboratory

Printed: 3/24/2022 8:32:22AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	LH Operating	Date Received:	03/22/22 10:30	Work Order ID:	E203142
Phone:	-	Date Logged In:	03/22/22 12:26	Logged In By:	Caitlin Christian
Email:	lnevels@hazmatspecialservices.com	Due Date:	03/28/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/Resolution

Sampled time and matrix not provided on COC. Additional sample received, Client asked to add sample.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



## Project Information

## Chain of Custody

Page 1 of 1

Client: LH Operating		Bill To		Lab Use Only		TAT				EPA Program	
Project: Skelly		Attention: HMSS		Lab WO#		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Lindsey Nevels		Address: 1909 E I-20		PE203142		Job Number		22010-0001		X	
Address: 1909 E I-20		City, State, Zip: Midland Tx 79701		Analysis and Method						RCRA	
City, State, Zip: Midland, Tx 79701, NM, 88260		Phone: 432 241-2480								State	
Phone: 432 241-2480		Email: lnevels@hazmatspecialservices.com								NM CO UT AZ TX	
Email: lnevels@hazmatspecialservices.com										X	
Report due by:										Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
	3/16/22		1	SW4 A		1							X		
	3/16/22		1	SW5		2							X		
	3/16/22		1	SW6		3							X		
	3/16/22		1	SW7		4							X		
	3/16/22		1	SW8		5							X		
	3/16/22		1	SW9		6							X		
	3/16/22		1	SW10		7							X		
	3/16/22		1	SW11		8							✓		
	3/16/22		1	SW12		9							X		
	3/16/22		1	SW4A-11		10							X		Added sample per Lindsey 3/22/22 CC

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	<b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.


**envirotech**



**Attachment V**  
**NMOCD Form C-141 Remediation Pages**

Incident ID	NAPP2204953590
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>320</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: Mike Burton Title: Field Compliance

Signature: Mike Burton Date: 02/18/22

email: mike@lhoperating.com Telephone: 575-499-5306

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**District I**

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

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 111509

**CONDITIONS**

Operator: LH Operating, LLC 4809 Cole Ave Dallas, TX 75205	OGRID: 329319
	Action Number: 111509
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	Incident NAPP2204953590 has already been closed. Appears to be duplicate report.	9/9/2022