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December 17, 2023

NMOCD District 1  
1625 N. French Dr.,  
Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the M-Skelly-18-S-08182023 Release (nAPP2323328856),  
Eddy County, New Mexico

Dear NMOCD District II,

On behalf of Frontier Field Services, LLC, Atkins Engineering Associates INC. (AEA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to gas pipeline activities at the M-Skelly-18-S-08182023. The site is in Unit J, Section 17, Township 17S, Range 31E, Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	M-Skelly-18-S-08182023	Company	Frontier Field Services, LLC
API Number	N/A	Location	32.8332366 -103.8879844
Incident Number	nAPP2323328856		
Estimated Date of Release	8/19/2023	Date Reported to NMOCD	8/22/2023
Land Owner	Federal	Reported To	NMOCD, BLM
Source of Release	Internal and External Corrosion		
Released Volume	10 BBLS <b>43.92 MCF</b>	Released Material	Condensate <b>Gas</b>
Recovered Volume	0	Net Release	10 BBLS <b>43.92 Gas</b>
NMOCD Closure Criteria	<50 feet to Groundwater		
AEA Response Dates	8/19, 11/20,11/21/2023		

## **1.0 Background**

On August 19, 2023, a release was discovered at the M-Skelly-18-S-08182023 pipeline due to internal and external corrosion. Initial response activities were conducted by the operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figures 1 and 2 illustrate the vicinity and site location, Figure 3 illustrates the release location. The C-141 forms are included in Appendix A.

## **2.0 Site Information and Closure Criteria**

The M-Skelly-18-S-08182023 is located approximately 5.91 miles northeast of Loco Hills, New Mexico on Federal (BLM) land at an elevation of approximately 3708 feet above mean sea level (amsl).

Based upon the New Mexico Office of the State Engineers (NMOSE) online water well database, (Appendix B), depth to groundwater in the area is undeterminable due to no water well information. There are no known water sources within ½-mile of the location, according to the NMOSE database. ([https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 11/1/2023). The nearest significant watercourse is unnamed water body, located approximately 2,650 feet northeast of the location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

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

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

## **3.0 Release Characterization and Remediation Activities**

On August 19, 2023 Frontier Field Services, LLC personnel arrived on site in response to the release associated with M-Skelly-18-S-08182023. AEA performed site delineation activities on August 19, 2023 and November 13, 2023, by collecting soil samples around the release site. Soil samples were field screened for chloride using an electrical conductivity (EC) meter.

Sampling Locations (BH1-BH10) were investigated using a hand-auger, to depths up to 4 feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the method above. A total of 10 samples were collected for laboratory analysis for total chloride using EPA Method 300.0., EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

AEA returned to the site to oversee the excavation of contaminated soil near and on the pipeline. AEA guided the excavation activities by collecting soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on October 31, 2023, that closure samples were expected to be collected in two (2) business days. A copy of this notification is included in Appendix E.

M-Skelly-18-S-08182023 Remediation Closure Report (nAPP2323328856)  
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On November 21, 2023 AEA began conducting confirmation sampling of the walls and base of the excavation. The area around sample locations CS1-CS3 were excavated to a depth of 2 feet bgs. The area around sample locations CS4-CS9, were surface scraped.

The confirmation samples were comprised of representative wall and base 5-point composite samples, each representing 200 ft<sup>2</sup> of exposed excavation of the base (CS1-CS9) and walls (CSW1-CSW17).

On November 22, 2023, AEA received lab confirmation that all samples were below NMOCD closure criteria.

All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratories in Hobbs, New Mexico (Appendix D).

Figure 3 shows the extent of the excavation and sample locations. All laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

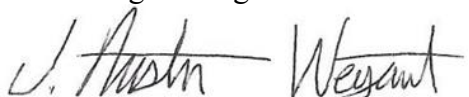
Approximately 60 cubic yards of contaminated soil removed and hauled to a NMOCD approved facility (waste manifest available upon request). The contaminated soil was transported and disposed of at Lea Land, near Hobbs, NM.

#### **4.0 Scope and Limitations**

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

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:  
Atkins Engineering Associates INC

A handwritten signature in black ink, appearing to read "Austin Weyant". The signature is fluid and cursive, with the first name "Austin" and last name "Weyant" clearly distinguishable.

Austin Weyant  
Geoscientist

M-Skelly-18-S-08182023 Remediation Closure Report (nAPP2323328856)  
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**ATTACHMENTS:**

**Figures:**

Figure 1: Hydrology Setbacks Map

Figure 2: Karst and NMOSE PODs Map

Figure 3: Site and Sample Location Map

**Tables:**

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Confirmation Sample Results

**Appendices:**

Appendix A: Form C141

Appendix B: NMOSE Wells Report

Appendix C: Laboratory Analytical Reports

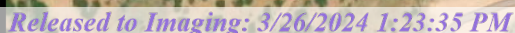
Appendix D: Open Excavation Photo Log

Appendix E: NMOCD Correspondence

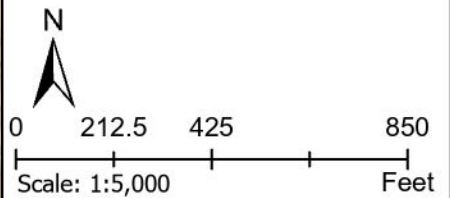


# FIGURES





- Release Point
- Lakes\_Playas
- Springs\_Seeps
- Streams\_Canals
- Flowlines\_SENM
- FEMA\_Flood\_Zones\_2011
- ▲ OSE\_PODs

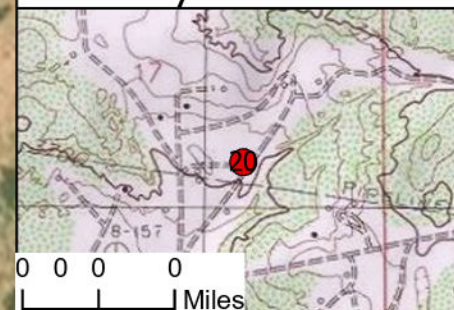


DRAWN LCM

DATE DRAWN: 12/15/2023 REVIEW JAW

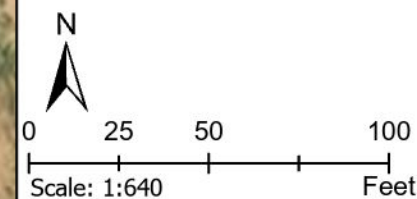


**FIGURE 2**  
**Site Assessment**  
**M-Skelly-18-S**



## LEGEND

- Excavation Area
- Closure Sample Location



Durango Midstream  
nAPP2323328856

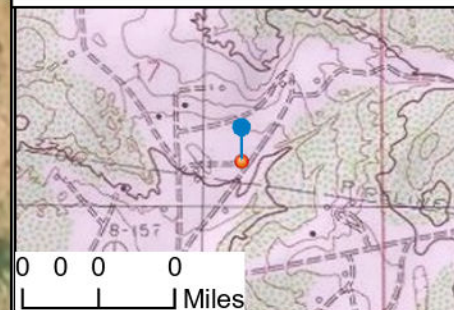
DRAWN LCM

DATE DRAWN: 12/15/2023 REVIEW JAW

**Atkins**  
ENGINEERING ASSOCIATES



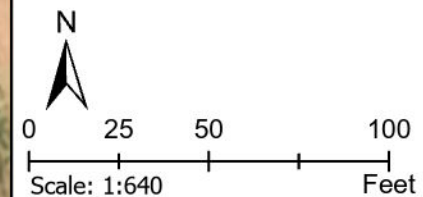
FIGURE 3  
Closure Samples  
M-Skelly-18-S



### LEGEND

#### BLM Karst Potential

- High
- Low
- Medium
- Excavation Area
- Closure Sample Location



nAPP2323328856

JOB No. skelly\_env\_23

DATE FIELD

DRAWN LCM

DATE DRAWN: 12/15/2023 REVIEW JAW

**Atkins**  
ENGINEERING ASSOCIATES

# TABLES

Table 2:  
NMOCD Closure CriteriaFrontier Field Services  
M-Skelly-18-S-08182023

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	<50	New Mexico Office of the State Engineer
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	>1/2 Mile	United States Geological Survey Topographical Map
Horizontal Distance to Nearest Significant Watercourse (ft)	>1000ft	United States Geological Survey Topographical Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

Table 3:  
Summary of Confirmation Sample Results

Frontier Field Services  
M-Skelly-18-S-08182023

Sample ID	Sample Date	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure		50	10				100	600
CS1	11/21/2023	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS2		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS3		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS4		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS5		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS6		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16
CS7		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS8		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS9		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW1		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW2		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW3		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW4		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW5		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW6		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW7		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW8		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW9		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW10		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW11		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
SW12	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16	
SW13	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32	
SW14	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16	
SW15	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32	
SW16	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16	
SW17	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16	

# APPENDIX A FORMS C141



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	nAPP2323328856
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Frontier Field Services	OGRID	221115
Contact Name	Lupe Carrasco	Contact Telephone	575-725-0787
Contact email	gcarrasco@durangomidstream.com	Incident # (assigned by OCD)	nAPP2323328856
Contact mailing address	47 Conoco Rd. Maljamar, NM 88264		

Location of Release Source

Latitude 32.8332366 Longitude -103.8879844  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	M-Skelly-18-S-08182023	Site Type	Pipeline
Date Release Discovered	API# (if applicable)		

Unit Letter	Section	Township	Range	County
J	17	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 43.92	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 10 bbls	Volume/Weight Recovered (provide units) 0 bbls

Cause of Release

External and internal corrosion.

Incident ID	nAPP2323328856
District RP	
Facility ID	
Application ID	

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>Lupe Carrasco</u>	Title: <u>Sr. Environmental Specialist</u>
Signature: <u><i>Lupe Carrasco</i></u>	Date: <u>08/22/2023</u>
email: <u>gcarrasco@durangomidstream.com</u>	Telephone: <u>575-725-0787</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____



## Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	8/18/2023						
Site or Line Name:	MAL-Skelly 18" Steel Line						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	12	9.85	0.48	56.736	10.11	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

Gas Blow-Down Volume Calculator		
Date:	8/18/2023	
Site or Line Name:	MAL-Skelly 18" Steel Line	
Inside Diameter of Pipe or Vessel:	18	inches
Length or Height of Pipe or Vessel:	8,896	feet
Physical Volume of Pipe or Vessel:	15,720.52	cubic feet
Number of Occurrences:	1	Default is 1 for one blow-down
Purge Factor:	0	1 if purged, 0 if not purged
Compressibility Factor for Natural Gas:	1	Default is 1
Temperature:	118.6	Degrees F
Absolute Pressure:	45.7	psia (Gauge Pressure + 14.7)
Representative Gas Analysis	Please attach or email a representative gas analysis	
<b>Constants</b>		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas:	43.92	MSCF

Notes
Entered by user
Calculated Value
Constant

Incident ID	nAPP2323328856
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>&lt;50</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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Incident ID	nAPP2323328856
District RP	
Facility ID	
Application ID	

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: Lupe Carrasco Title: Sr. Environmental Specialist

Signature: Lupe Carrasco Date: 12/22/23

email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

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

Incident ID	nAPP2323328856
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: Lupe Carrasco Title: Sr. Environmental Specialist  
Signature: *Lupe Carrasco* Date: 12/22/23  
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**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: \_\_\_\_\_

# APPENDIX B

## NMOSE WELLS REPORT





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

No records found.

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

**Easting (X):** 604081.3

**Northing (Y):** 3633343.84

**Radius:** 805

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

# APPENDIX C

## LABORATORY ANALYTICAL RESULTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 25, 2023

LUPE CARRASCO

DURANGO MIDSTREAM

278 PIPELINE ROAD

ARTESIA, NM 88210

RE: SKELLY 18" STEEL LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/21/23 8:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 1 (H234520-01)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>39.7</b>	5.00	08/23/2023	ND	2.01	100	2.00	1.48	
<b>Toluene*</b>	<b>241</b>	5.00	08/23/2023	ND	2.02	101	2.00	2.39	
<b>Ethylbenzene*</b>	<b>236</b>	5.00	08/23/2023	ND	1.97	98.7	2.00	1.71	
<b>Total Xylenes*</b>	<b>271</b>	15.0	08/23/2023	ND	5.97	99.6	6.00	1.29	
<b>Total BTEx</b>	<b>788</b>	30.0	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6260</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>9670</b>	100	08/23/2023	ND	174	86.8	200	2.88		
<b>DRO &gt;C10-C28*</b>	<b>18100</b>	100	08/23/2023	ND	178	89.1	200	8.43		
<b>EXT DRO &gt;C28-C36</b>	<b>2510</b>	100	08/23/2023	ND						

Surrogate: 1-Chlorooctane 867 % 48.2-134

Surrogate: 1-Chlorooctadecane 313 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 (H234520-02)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.42</b>	1.00	08/23/2023	ND	2.01	100	2.00	1.48	
<b>Toluene*</b>	<b>66.1</b>	1.00	08/23/2023	ND	2.02	101	2.00	2.39	
<b>Ethylbenzene*</b>	<b>135</b>	1.00	08/23/2023	ND	1.97	98.7	2.00	1.71	
<b>Total Xylenes*</b>	<b>180</b>	3.00	08/23/2023	ND	5.97	99.6	6.00	1.29	
<b>Total BTEX</b>	<b>382</b>	6.00	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 156 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>4880</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>5580</b>	100	08/23/2023	ND	174	86.8	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>15300</b>	100	08/23/2023	ND	178	89.1	200	8.43	
<b>EXT DRO &gt;C28-C36</b>	<b>2400</b>	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 663 % 48.2-134

Surrogate: 1-Chlorooctadecane 267 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 (H234520-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	89.6	5.00	08/23/2023	ND	2.01	100	2.00	1.48	
Toluene*	351	5.00	08/23/2023	ND	2.02	101	2.00	2.39	
Ethylbenzene*	275	5.00	08/23/2023	ND	1.97	98.7	2.00	1.71	
Total Xylenes*	306	15.0	08/23/2023	ND	5.97	99.6	6.00	1.29	
Total BTEX	1020	30.0	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	08/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18100	100	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	28600	100	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	4460	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 1280 % 48.2-134

Surrogate: 1-Chlorooctadecane 487 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 4 (H234520-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>38.6</b>	5.00	08/24/2023	ND	2.11	105	2.00	1.77	QM-07, QR-03
<b>Toluene*</b>	<b>376</b>	5.00	08/24/2023	ND	2.12	106	2.00	1.11	QM-07, QR-03
<b>Ethylbenzene*</b>	<b>366</b>	5.00	08/24/2023	ND	2.06	103	2.00	1.41	QM-07, QR-03
<b>Total Xylenes*</b>	<b>412</b>	15.0	08/24/2023	ND	6.30	105	6.00	2.55	QM-07
<b>Total BTEx</b>	<b>1190</b>	30.0	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6300</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>14700</b>	100	08/23/2023	ND	174	86.8	200	2.88		
<b>DRO &gt;C10-C28*</b>	<b>27500</b>	100	08/23/2023	ND	178	89.1	200	8.43		
<b>EXT DRO &gt;C28-C36</b>	<b>4470</b>	100	08/23/2023	ND						

Surrogate: 1-Chlorooctane 1300 % 48.2-134

Surrogate: 1-Chlorooctadecane 565 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 5 (H234520-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	16.0	5.00	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	201	5.00	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	249	5.00	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	313	15.0	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	779	30.0	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12500	100	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	33300	100	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	5620	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 1440 % 48.2-134

Surrogate: 1-Chlorooctadecane 618 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 6 (H234520-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	17.5	5.00	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	211	5.00	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	235	5.00	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	284	15.0	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	747	30.0	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10100	100	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	24800	100	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	4600	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 1050 % 48.2-134

Surrogate: 1-Chlorooctadecane 555 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 7 (H234520-07)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.40</b>	0.500	08/24/2023	ND	2.11	105	2.00	1.77	
<b>Toluene*</b>	<b>28.4</b>	0.500	08/24/2023	ND	2.12	106	2.00	1.11	
<b>Ethylbenzene*</b>	<b>60.2</b>	0.500	08/24/2023	ND	2.06	103	2.00	1.41	
<b>Total Xylenes*</b>	<b>88.3</b>	1.50	08/24/2023	ND	6.30	105	6.00	2.55	
<b>Total BTEX</b>	<b>178</b>	3.00	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 177 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>800</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>3070</b>	100	08/23/2023	ND	174	86.8	200	2.88	
<b>DRO &gt;C10-C28*</b>	<b>30300</b>	100	08/23/2023	ND	178	89.1	200	8.43	
<b>EXT DRO &gt;C28-C36</b>	<b>6420</b>	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 694 % 48.2-134

Surrogate: 1-Chlorooctadecane 607 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 8 (H234520-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	18.2	5.00	08/24/2023	ND	2.11	105	2.00	1.77	
Toluene*	223	5.00	08/24/2023	ND	2.12	106	2.00	1.11	
Ethylbenzene*	236	5.00	08/24/2023	ND	2.06	103	2.00	1.41	
Total Xylenes*	287	15.0	08/24/2023	ND	6.30	105	6.00	2.55	
Total BTEX	764	30.0	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/23/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10300	100	08/23/2023	ND	174	86.8	200	2.88	
DRO >C10-C28*	26200	100	08/23/2023	ND	178	89.1	200	8.43	
EXT DRO >C28-C36	4960	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 1080 % 48.2-134

Surrogate: 1-Chlorooctadecane 494 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 9 (H234520-09)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.30</b>	0.500	08/24/2023	ND	2.11	105	2.00	1.77	
<b>Toluene*</b>	<b>42.2</b>	0.500	08/24/2023	ND	2.12	106	2.00	1.11	
<b>Ethylbenzene*</b>	<b>90.9</b>	0.500	08/24/2023	ND	2.06	103	2.00	1.41	
<b>Total Xylenes*</b>	<b>129</b>	1.50	08/24/2023	ND	6.30	105	6.00	2.55	
<b>Total BTEX</b>	<b>263</b>	3.00	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 198 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>2280</b>	100	08/23/2023	ND	175	87.3	200	5.82	QM-07, QR-03
<b>DRO &gt;C10-C28*</b>	<b>16300</b>	100	08/23/2023	ND	169	84.5	200	13.2	QM-07, QR-03
<b>EXT DRO &gt;C28-C36</b>	<b>3660</b>	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 364 % 48.2-134

Surrogate: 1-Chlorooctadecane 409 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

DURANGO MIDSTREAM  
 LUPE CARRASCO  
 278 PIPELINE ROAD  
 ARTESIA NM, 88210  
 Fax To:

Received: 08/21/2023  
 Reported: 08/25/2023  
 Project Name: SKELLY 18" STEEL LINE  
 Project Number: NONE GIVEN  
 Project Location: LOCO HILLS

Sampling Date: 08/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: BH 10 (H234520-10)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.654</b>	0.500	08/24/2023	ND	2.11	105	2.00	1.77	
<b>Toluene*</b>	<b>28.6</b>	0.500	08/24/2023	ND	2.12	106	2.00	1.11	
<b>Ethylbenzene*</b>	<b>72.4</b>	0.500	08/24/2023	ND	2.06	103	2.00	1.41	
<b>Total Xylenes*</b>	<b>101</b>	1.50	08/24/2023	ND	6.30	105	6.00	2.55	
<b>Total BTEX</b>	<b>202</b>	3.00	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 158 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	08/23/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>3000</b>	100	08/23/2023	ND	175	87.3	200	5.82	
<b>DRO &gt;C10-C28*</b>	<b>18700</b>	100	08/23/2023	ND	169	84.5	200	13.2	
<b>EXT DRO &gt;C28-C36</b>	<b>3960</b>	100	08/23/2023	ND					

Surrogate: 1-Chlorooctane 472 % 48.2-134

Surrogate: 1-Chlorooctadecane 434 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Durango Midstream <b>Project Manager:</b> Lupe Carrasco <b>Address:</b> <b>City:</b> Artesia <b>State:</b> NM <b>Zip:</b> 88210 <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> Skelly 18" Steel Line <b>Project Location:</b> loco hills <b>Sampler Name:</b> Dabatch Cuto		<b>P.O. #:</b> <b>Company:</b> Durango <b>Attn:</b> Lupe Carrasco <b>Address:</b> <b>City:</b> Artesia <b>State:</b> NM <b>Zip:</b> 88210 <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b>		<b>BILL TO</b>	
<b>Lab I.D.</b> <b>Sample I.D.</b>		<b>ANALYSIS REQUEST</b>	
1 BH2 2 BH3 3 BH4 4 BH5 5 BH6 6 BH7 7 BH8 8 BH9 9 BH10		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE TIME		DATE TIME	
8/19 15:30 15:34 15:40 15:42 15:47 15:50 16:02 16:08 16:11 16:16		Chloride BTEX TPH (ORO, GRO, DRO)	
Relinquished By: <i>Robert Cuth</i> Date: 8/19 Time: 8:16 Received By: <i>Stefan Reigner</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: <i>9carrasco@Durangomidstream.com</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 28.8 Corrected Temp. °C: 28.8 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: <i>SC</i>	
Turnaround Time: <i>24hrs</i> Thermometer ID #140 Correction Factor 0°C		Bacteria (only) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition: <input type="checkbox"/> Observed Temp. °C: <input type="checkbox"/> Corrected Temp. °C:	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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November 17, 2023

AUSTIN WEYANT

ATKINS ENGINEERING

2904 W. 2ND STREET

ROSWELL, NM 88203

RE: SKELLY

Enclosed are the results of analyses for samples received by the laboratory on 11/14/23 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 1 - S (H236217-01)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	0.560		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.857		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.04	102	2.00	0.596		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.20	103	6.00	0.542		
Total BTX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 1 - 1' (H236217-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	0.560		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.857		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.04	102	2.00	0.596		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.20	103	6.00	0.542		
Total BTX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 1 - 2' (H236217-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	0.560		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.857		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.04	102	2.00	0.596		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.20	103	6.00	0.542		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 - S (H236217-04)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.254</b>	0.050	11/16/2023	ND	1.88	94.2	2.00	0.560	
<b>Toluene*</b>	<b>0.468</b>	0.050	11/16/2023	ND	2.03	101	2.00	0.857	
<b>Ethylbenzene*</b>	<b>1.39</b>	0.050	11/16/2023	ND	2.04	102	2.00	0.596	
<b>Total Xylenes*</b>	<b>6.50</b>	0.150	11/16/2023	ND	6.20	103	6.00	0.542	
<b>Total BTEX</b>	<b>8.62</b>	0.300	11/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 250 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	11/15/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>468</b>	50.0	11/15/2023	ND	181	90.6	200	3.24	
<b>DRO &gt;C10-C28*</b>	<b>7050</b>	50.0	11/15/2023	ND	179	89.3	200	2.93	
<b>EXT DRO &gt;C28-C36</b>	<b>1170</b>	50.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 169 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 - 1' (H236217-05)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	0.560		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.857		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.04	102	2.00	0.596		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.20	103	6.00	0.542		
Total BTX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	10.6	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 - 2' (H236217-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.88	94.2	2.00	0.560		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.857		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.04	102	2.00	0.596		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.20	103	6.00	0.542		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 - S (H236217-07)**

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.255</b>	0.050	11/16/2023	ND	1.97	98.7	2.00	3.65	
<b>Toluene*</b>	<b>1.05</b>	0.050	11/16/2023	ND	2.03	101	2.00	0.0753	
<b>Ethylbenzene*</b>	<b>2.31</b>	0.050	11/16/2023	ND	2.19	109	2.00	0.365	
<b>Total Xylenes*</b>	<b>5.26</b>	0.150	11/16/2023	ND	6.64	111	6.00	0.703	
<b>Total BTEx</b>	<b>8.88</b>	0.300	11/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 156 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>6000</b>	16.0	11/15/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>204</b>	50.0	11/15/2023	ND	181	90.6	200	3.24	
<b>DRO &gt;C10-C28*</b>	<b>2460</b>	50.0	11/15/2023	ND	179	89.3	200	2.93	
<b>EXT DRO &gt;C28-C36</b>	<b>383</b>	50.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 - 1' (H236217-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	14.7	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 - 2' (H236217-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65	
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	11/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 4 - S (H236217-10)**

BTEX 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.224</b>	0.200	11/16/2023	ND	1.97	98.7	2.00	3.65	
<b>Toluene*</b>	<b>14.2</b>	0.200	11/16/2023	ND	2.03	101	2.00	0.0753	
<b>Ethylbenzene*</b>	<b>33.2</b>	0.200	11/16/2023	ND	2.19	109	2.00	0.365	
<b>Total Xylenes*</b>	<b>58.6</b>	0.600	11/16/2023	ND	6.64	111	6.00	0.703	
<b>Total BTEX</b>	<b>106</b>	1.20	11/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	11/15/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1290</b>	50.0	11/15/2023	ND	181	90.6	200	3.24	
<b>DRO &gt;C10-C28*</b>	<b>9110</b>	50.0	11/15/2023	ND	179	89.3	200	2.93	
<b>EXT DRO &gt;C28-C36</b>	<b>1340</b>	50.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 157 % 48.2-134

Surrogate: 1-Chlorooctadecane 169 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 4 - 1' (H236217-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65	
Toluene*	0.746	0.050	11/15/2023	ND	2.03	101	2.00	0.0753	
Ethylbenzene*	2.81	0.050	11/15/2023	ND	2.19	109	2.00	0.365	
Total Xylenes*	5.70	0.150	11/15/2023	ND	6.64	111	6.00	0.703	
Total BTEX	9.26	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 210 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: HM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/15/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	146	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	491	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	59.1	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 4 - 2' (H236217-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65	
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753	
Ethylbenzene*	0.078	0.050	11/15/2023	ND	2.19	109	2.00	0.365	
Total Xylenes*	0.169	0.150	11/15/2023	ND	6.64	111	6.00	0.703	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	77.3	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 5 - S (H236217-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65	
Toluene*	0.055	0.050	11/15/2023	ND	2.03	101	2.00	0.0753	
Ethylbenzene*	0.199	0.050	11/15/2023	ND	2.19	109	2.00	0.365	
Total Xylenes*	0.476	0.150	11/15/2023	ND	6.64	111	6.00	0.703	
Total BTEX	0.730	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.6	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	317	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	54.3	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 5 - 1' (H236217-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65	
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 5 - 2' (H236217-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 6 - S (H236217-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	181	90.6	200	3.24	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	179	89.3	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 7 - S (H236217-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	198	98.8	200	0.820	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	200	100	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 8 - S (H236217-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTEX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	198	98.8	200	0.820	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	200	100	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 9 - S (H236217-19)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	198	98.8	200	0.820	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	200	100	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/14/2023  
Reported: 11/17/2023  
Project Name: SKELLY  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/13/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 10 - S (H236217-20)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2023	ND	1.97	98.7	2.00	3.65		
Toluene*	<0.050	0.050	11/15/2023	ND	2.03	101	2.00	0.0753		
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.19	109	2.00	0.365		
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.64	111	6.00	0.703		
Total BTX	<0.300	0.300	11/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	198	98.8	200	0.820	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	200	100	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <b>ATkins Engineering</b>						<b>BILL TO</b>						<b>ANALYSIS REQUEST</b>					
Project Manager: <b>Austin Uegar</b>						P.O. #:											
Address:						Company: <b>Durango Pipeline</b>											
City:						Attn: <b>Lyle Curristo</b>											
Phone #:						Address:											
Fax #:						City:											
Project #: _____						State: _____ Zip: _____											
Project Location:						Phone #:											
Sampler Name: <b>Lynn Acost</b>						Fax #:											
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	PRESERV. ACID/BASE: ICE / COOL OTHER :	SAMPLING DATE TIME											
<b>H3300A17</b>	BH1-S	X				4/13/23	X	X	X								
	BH1-1'																
	BH1-2'																
	BH2-S																
	BH2-1'																
	BH2-2'																
	BH3-S																
	BH3-1'																
	BH3-2'																
	BH4-S																

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Relinquished By: _____		Date: <b>4/14/23</b>	Received By: <b>Shodraquis</b>
Reinquinshed By: _____		Date: <b>4-13-20</b>	Received By: _____
Time: _____		Time: _____	

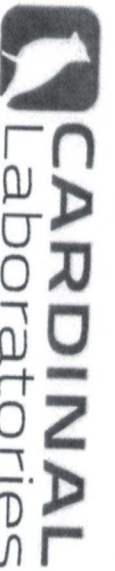
Delivered By: (Circle One) <b>UPS - Bus - Other:</b>	Observed Temp.: <b>-39°C</b>	Corrected Temp.: _____	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: _____ (Initials)	Turnaround Time: _____	Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
Thermometer ID: <b>#113</b>	Correction Factor: <b>-0.5°C</b>	<b>#140</b>					Observed Temp.: _____
REMARKS: <b>Pg 1/2</b>							

Verbal Result: ☐ Yes ☐ No Add'l Phone #: \_\_\_\_\_

All Results are emailed. Please provide Email address: \_\_\_\_\_

Cardinal cannot accept verbal changes. Please email changes to cardinal@cardinalcorp.com





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Atkins Engineering</b>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <b>Arsine Ueyan</b>							
Address:		City:		State:		Zip:	
Phone #:		Fax #:		Project Owner:		Project Location:	
Project Name: <b>Stelly</b>		City:		State:		Zip:	
Project Location:		Phone #:		Fax #:			
Sampler Name: <b>Lynn Acosta</b>		FOR LAB USE ONLY					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	
Matrix		GROUNDWATER		WASTEWATER		SOIL	
OIL		SLUDGE		OTHER :		ACID/BASE:	
ICE / COOL		OTHER :		DATE		TIME	
PRESERV.		SAMPLING					
11		BH4-1		X		BTEX	
12		BH4-2		X		TPH	
13		BH5-1		X		CI-	
14		BH5-2					
15		BH6-1					
16		BH6-2					
17		BH7-1					
18		BH8-1					
19		BH9-1					
20		BH10-1					

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Relinquished By: **[Signature]** Date: **11-14-23** Received By: **[Signature]** Date: **11-14-23**

Relinquished By: **[Signature]** Date: **11-14-23** Received By: **[Signature]** Date: **11-14-23**

Delivered By: (Circle One) **Observed Temp. °C: 3.9** Sample Condition: **Cool Intact** CHECKED BY: **[Signature]** Turnaround Time: **Standard** ☒ **Rush** ☐ Bacteria (only) ☐ **Cool Intact** ☐ **Yes** ☐ **No** ☐ **Yes** ☐ **No** Corrected Temp. °C

REMARKS: **Pg 2/2**

Verbal Result: ☐ Yes ☐ No Add'l Phone #: **[Blank]**

All Results are emailed. Please provide Email address: **[Blank]**

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 22, 2023

AUSTIN WEYANT

ATKINS ENGINEERING

2904 W. 2ND STREET

ROSWELL, NM 88203

RE: SKELLY - 18

Enclosed are the results of analyses for samples received by the laboratory on 11/21/23 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 1 (H236330-01)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6	
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 2 (H236330-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6	
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

Cardinal Laboratories

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 3 (H236330-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6	
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 4 (H236330-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 5 (H236330-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 6 (H236330-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 7 (H236330-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 8 (H236330-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CS 9 (H236330-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/21/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 01 (H236330-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2023	ND	1.76	87.9	2.00	10.6		
Toluene*	<0.050	0.050	11/22/2023	ND	1.88	93.9	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/22/2023	ND	1.87	93.5	2.00	10.8		
Total Xylenes*	<0.150	0.150	11/22/2023	ND	5.66	94.4	6.00	10.8		
Total BTEX	<0.300	0.300	11/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/22/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/22/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 2 (H236330-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 3 (H236330-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 4 (H236330-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 5 (H236330-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEx	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 6 (H236330-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 7 (H236330-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 8 (H236330-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48	
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8	
Total BTEX	<0.300	0.300	11/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 9 (H236330-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 10 (H236330-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEx	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/22/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/22/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 11 (H236330-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2023	ND	208	104	200	6.17	
DRO >C10-C28*	<10.0	10.0	11/22/2023	ND	189	94.7	200	8.21	
EXT DRO >C28-C36	<10.0	10.0	11/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 12 (H236330-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEx	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 13 (H236330-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/21/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/21/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/21/2023	ND	5.84	97.3	6.00	11.8		
Total BTEx	<0.300	0.300	11/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 14 (H236330-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/22/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/22/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/22/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 15 (H236330-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/22/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/22/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/22/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 16 (H236330-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/22/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/22/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/22/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/21/2023  
Reported: 11/22/2023  
Project Name: SKELLY - 18  
Project Number: NONE GIVEN  
Project Location: DURANGO

Sampling Date: 11/21/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Dionica Hinojos

**Sample ID: CSW 17 (H236330-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2023	ND	1.97	98.6	2.00	5.48		
Toluene*	<0.050	0.050	11/22/2023	ND	1.85	92.4	2.00	11.1		
Ethylbenzene*	<0.050	0.050	11/22/2023	ND	1.93	96.4	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/22/2023	ND	5.84	97.3	6.00	11.8		
Total BTEX	<0.300	0.300	11/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	211	106	200	1.33	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	197	98.6	200	0.236	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





**101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476**

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>ATkins Engineering</u>										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>									
Project Manager: <u>Austin Uegant</u>										P.O. #:																			
Address:										Company: <u>George Miskren</u>																			
City:										Attn: <u>Lupe Carrasco</u>																			
State:										Address:																			
Phone #:										City:																			
Project #:										State:																			
Project Name: <u>Stelly-18</u>										Zip:																			
Project Location:										Phone #:																			
Sample Name: <u>Lym. Acoste</u>										Fax #:																			
FOR LAB USE ONLY										MATRIX										SAMPLING									
Lab I.D.										PRESERV																			
Sample I.D.										DATE										TIME									
1										X										X									
2										X										X									
3										X										X									
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102										X																			



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Atkins Eng <b>Project Manager:</b> Austin Uegant <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: <b>Project Name:</b> Kelly-18 <b>Project Location:</b> <b>Sampler Name:</b> C. Acosta FOR LAB USE ONLY				<b>P.O. #:</b> <b>Company:</b> Orange Mudstone <b>Attn:</b> Luke Carasco <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
<b>Lab I.D.</b> H236330		<b>Sample I.D.</b>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME		BTEx TPH CI-													
11	CSU02										X												
12	CSU03										X												
13	CSU04										X												
14	CSU05																						
15	CSU06																						
16	CSU07																						
17	CSU08																						
18	CSU09																						
19	CSU10																						
20	CSU11																						

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<b>Relinquished By:</b> [Signature]		<b>Date:</b> 4/21/23 <b>Time:</b> 1:35		<b>Received By:</b> [Signature]		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:	
<b>Relinquished By:</b>		<b>Date:</b> <b>Time:</b>		<b>Received By:</b>		<b>REMARKS:</b> Pg 2/3	

<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> 23 <b>Corrected Temp. °C</b>		<b>Sample Condition</b> <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials)		<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		<b>Bacteria (only) Sample Condition</b> <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Thermometer ID</b> #114 <b>Correction Factor</b> -0.3°C		<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	
---	--	--	--	---	--	----------------------------------	--	--	--	--	--	---	--	---	--

All Results are emailed. Please provide Email address: [lynn@atkinseng.com](mailto:lynn@atkinseng.com)





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(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <u>Atkins Eya</u> <b>Project Manager:</b> <u>Austin Ingram</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> _____ <b>Project Owner:</b> _____ <b>Project Name:</b> <u>Skelly-18</u> <b>Project Location:</b> _____ <b>Sample Name:</b> <u>L. Acsha</u> <b>FOR LAB USE ONLY</b>				<b>P.O. #:</b> _____ <b>Company:</b> <u>Dezangy Mudeanu</u> <b>Attn:</b> <u>Lupe Curasco</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____							
<b>Lab I.D.</b> _____ <b>Sample I.D.</b> _____				<b>Matrix</b> (G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER : _____ ACID/BASE: _____ ICE / COOL _____ OTHER : _____				<b>DATE</b> _____ <b>TIME</b> _____ <b>DATE</b> _____ <b>TIME</b> _____			
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other: _____				<b>Observed Temp. °C</b> <u>23</u> <b>Corrected Temp. °C</b> _____ <b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<b>Turnaround Time:</b> _____ <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Thermometer ID #113 #1140</b> <b>Correction Factor 0.07°C</b>			
<b>Relinquished By:</b> _____ <b>Retrained By:</b> _____				<b>Received By:</b> _____ <b>Date:</b> <u>11/21/23</u> <b>Time:</b> <u>1315</u> <b>Date:</b> _____ <b>Time:</b> _____							
<b>REMARKS:</b> _____ <b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b> _____ <b>All Results are emailed. Please provide Email address:</b> <u>Gym@atkinseng.com</u>				<b>REMARKS:</b> _____ <b>Verbal Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Add'l Phone #:</b> _____ <b>All Results are emailed. Please provide Email address:</b> _____							

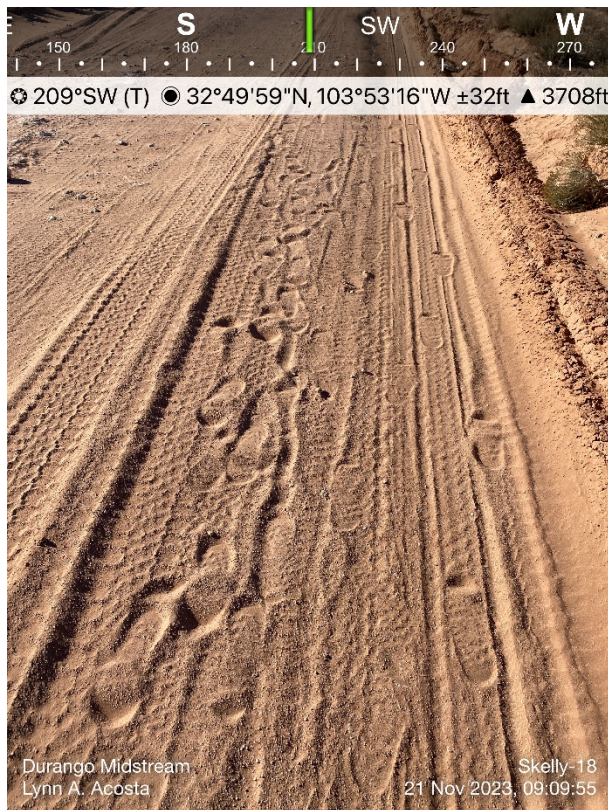
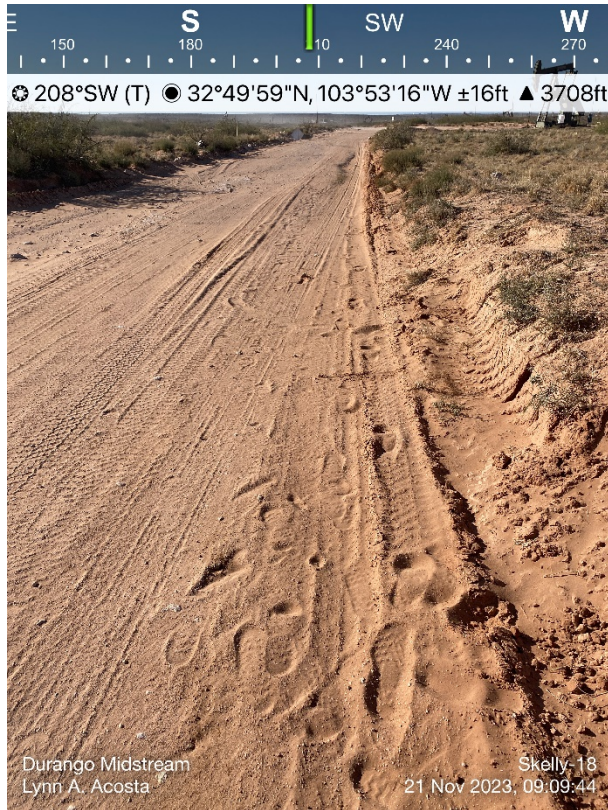
# APPENDIX D OPEN EXCAVATION LOG



## Skelly-M-18-08182023 Photo Log









# APPENDIX E

## NMOCD CORRESPONDANCE



**Lynn Acosta**

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Thursday, November 16, 2023 1:41 PM  
**To:** Lynn Acosta  
**Cc:** Austin Weyant; Guadalupe Carrasco; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Notification - Final Confirmation Sampling - M-Skelly (nAPP2323328856)

Good afternoon Lynn,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

*Shelly*

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Lynn Acosta <lynn@atkinseng.com>  
**Sent:** Thursday, November 16, 2023 1:13 PM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Austin Weyant <austin@atkinseng.com>; Guadalupe Carrasco <gcarrasco@durangomidstream.com>  
**Subject:** [EXTERNAL] Notification - Final Confirmation Sampling - M-Skelly (nAPP2323328856)

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

Good Afternoon,

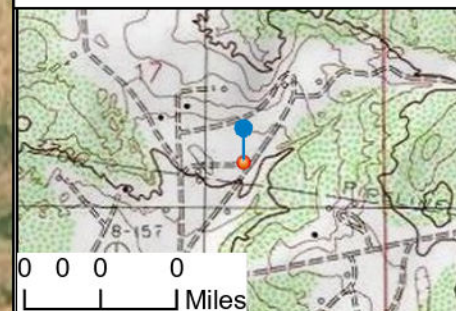
Atkins Engineering is notifying NMOCD that confirmation sampling will be conducted at the M-Skelly—18-S-08182023 (nAPP2323328856) on Tuesday November 21, 2023. Atkins Engineering personnel will be onsite approximately at 8:00 am MST.

Please let me know if you have any questions/concerns.

Have a good weekend!

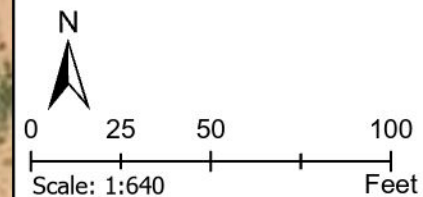
Lynn A. Acosta

FIGURE 3b  
Site Samples  
M-Skelly-18-S



## LEGEND

- Excavation Area
- Sample Location



nAPP2323328856

JOB No. skelly\_env\_23

DATE FIELD

DRAWN LCM

DATE DRAWN: 3/25/2024 REVIEW JAW

**Atkins**  
ENGINEERING ASSOCIATES

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QUESTIONS  
  
Action 300422

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 300422
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2323328856
Incident Name	NAPP2323328856 M-SKELLY-18-S-08182023 @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	M-SKELLY-18-S-08182023
Date Release Discovered	08/18/2023
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Other   Pipeline (Any)   Condensate   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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QUESTIONS, Page 2

Action 300422

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:	221115
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	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
--	--

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QUESTIONS, Page 3

Action 300422

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 300422
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	11000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	51420
GRO+DRO (EPA SW-846 Method 8015M)	45800
BTEX (EPA SW-846 Method 8021B or 8260B)	1190
Benzene (EPA SW-846 Method 8021B or 8260B)	89.6

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

On what estimated date will the remediation commence	11/20/2023
On what date will (or did) the final sampling or liner inspection occur	11/21/2023
On what date will (or was) the remediation complete(d)	11/23/2023
What is the estimated surface area (in square feet) that will be reclaimed	1200
What is the estimated volume (in cubic yards) that will be reclaimed	80
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	60

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 300422

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:	221115
	Action Number:	300422
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5  
  
Action 300422

QUESTIONS (continued)

Operator:  FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:
	221115
	Action Number:
	300422
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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



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QUESTIONS, Page 6

Action 300422

**QUESTIONS (continued)**

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	Action Number:	300422
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	300796
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/21/2023
What was the (estimated) number of samples that were to be gathered	16
What was the sampling surface area in square feet	800

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	800
What was the total volume (cubic yards) remediated	60
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1200
What was the total volume (in cubic yards) reclaimed	80
Summarize any additional remediation activities not included by answers (above)	Release occurred on lease road.

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

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

I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
--	--

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QUESTIONS, Page 7  
  
Action 300422

QUESTIONS (continued)

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	Action Number: 300422
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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS  
  
Action 300422

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/26/2024