

DEFERRAL REQUEST

Property:

South Carlsbad Compressor Station

Unit P, S12, T23S, R27E 32.313302° N, 104.137647° W Eddy County, New Mexico New Mexico EMNRD OCD Incident ID: nAPP2327931302

> March 12, 2024 Ensolum Project No. 03B1226315

> > Prepared for:

Enterprise Field Services LLC PO Box 4324 Houston, Texas 77210

Attn: Thomas Long

Prepared by:

Kelly Lowery

Project Manager

1. Hhans

Heather Holthaus Senior Project Manager



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DEFERRAL REQUEST

South Carlsbad Compressor Station

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Ensolum Project No. 03B1226315

1.0 INTRODUCTION

1.1 Site Description & Background

Operator:	Enterprise Field Services LLC (Enterprise)	
Site Name: South Carlsbad Compressor Station		
Location:South Carlsbad Compressor StationUnit P, Section 12, Township 23 South, Range 27 EastEddy County, New Mexico		
Property: Private (Enterprise)		
Regulatory:	New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)	

On October 6, 2023, Enterprise discovered a historical release during the maintenance of a tank battery with approximately 5-10 barrels (bbls) of condensate saturating the ground surface at the South Carlsbad Compressor Station (Site). No condensate was recovered during initial response actions. Notification was made to the New Mexico EMNRD OCD on October 6, 2023, and was subsequently assigned Incident ID: nAPP2327931302.

The **Topographic Map** depicting the location of the Site is included as **Figure 1**, and the **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 **Project Objective**

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-Site soil to be in compliance with the applicable New Mexico EMNRD OCD closure criteria concentrations.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. In order to address activities related to exempt oil and gas releases, the New Mexico EMNRD OCD references New Mexico Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for sites subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general Site characteristics, and information available from the New Mexico Office of the State Engineer (OSE) and the New Mexico EMNRD OCD Imaging database to determine the appropriate closure criteria for the Site. Supporting documentation and figures associated with the following bullets are provided in **Appendix B**.



- The Site is not located within 300 feet of a New Mexico EMNRD OCD-defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole or playa lake.
- The Site is not located within 300 feet from a permanent residence, school, hospital, institution, or church.
- According to the OSE Water Rights Reporting System database there is one private, domestic freshwater well(s) used by less than five households for domestic or stock water purposes identified within 500 feet of the Site.
 - The one water well (C-03053) is located approximately 188 feet to the west of the Site and is utilized for domestic/livestock watering purposes.
- According to the OSE WRSS database, there are no freshwater well records identified within 1,000
 feet of the Site; however, there are nine exploratory water wells, reportedly utilized for monitoring
 purposes.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- The Site is located within 300 feet of a wetland.
- Based on information identified on the New Mexico Mining and Minerals Division's Geographical Information System (GIS), Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine.
- Based on the Karst Occurrence Potential (.kmz) provided by the Bureau of Land Management (BLM), the Site is located within a relatively stable area, also referred to as medium karst potential.
- The Site is not located within a 100-year floodplain.

Based on the identified siting criteria, cleanup goals for soil remaining in place at the Site include:

Closure Criteria for Soils Impacted by a Release					
Minimum depth below any point within horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit		
	Chloride	EPA 300.0 or SM4500 CI B	600 mg/kg		
≤ 50 feet	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg		
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg		
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg		

3.0 SOIL REMEDIATION ACTIVITIES

On October 6, 2023, Enterprise discovered a historical release during the maintenance of a tank battery with approximately 5-10 bbls of condensate saturating the ground surface at the Site. No condensate was recovered during initial response actions.

From October 22, 2023, to January 2, 2024, the Site was excavated by New Mexico Rentals Pipeline Construction, LLC (NMR) utilizing a track-hoe and hydro-excavated by Riley Industrial Services, Inc. (Riley). The final excavation extent measured 75 feet long by 72 feet at its widest extent, with depths ranging from 10 - 14 feet below ground surface (bgs). Additionally, on January 24, 2024, three boreholes were hydro-excavated to the north, east, and south of the existing tank battery adjacent to the Site to delineate impacts left in place in the surrounding soils.

Excavated soil was removed from the Site and disposed off-Site at Lea Land LLC in Hobbs, New Mexico, a New Mexico EMNRD OCD-permitted disposal facility. The excavation area was subsequently backfilled with clean fill material.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation (**Appendix A**).

4.0 SOIL SAMPLING PROGRAM

From November 9, 2023, to January 2, 2024, Ensolum collected a total of 69 composite excavation soil samples from 30 locations on the excavation floor (FS01 through FS30) and 21 locations on the excavation sidewalls (SW01 through SW21). The excavation floor samples were collected at depths ranging from 10 to 14 feet bgs and the excavation sidewall samples were collected at a depth of 0 - 10 feet bgs.

In addition, Ensolum collected lateral delineation soil samples from seven locations (Northeast, North, Northwest, West, Southwest, South and Southeast), within approximately 2 feet outside of the impacted area, at a depth of 0 - 0.25 feet bgs. Two background soil samples (BG01 and BG02) were also collected at a depth of 0 - 0.25 feet bgs, no closer than 50 feet but no greater than 100 feet from the lateral and horizontal extents of the impacted area.

On January 24, 2024, Ensolum collected a total of nine deferment delineation soil samples from three hydrovac borehole locations (North, East, and South) surrounding the adjacent tank battery to the east of the release area. The three hydrovac borehole locations (North, East and South) were situated approximately 15 feet to the north, east, and south of the extent of the lined containment for the tank battery adjacent east to the release area. Three soil samples were collected from each hydrovac borehole at depth ranging from 3 to 9.5 feet bgs.

The composite excavation soil samples, lateral delineation soil samples, deferment delineation soil samples, and background soil samples were collected and placed in laboratory prepared glassware, labeled/sealed using laboratory supplied labels and custody seals, and stored on ice in a cooler. The samples were relinquished to Cardinal Laboratories in Hobbs, New Mexico under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite excavation soil samples, lateral delineation soil samples, and deferment delineation soil samples and were analyzed for chloride following United States Environmental Protection Agency (EPA) Method SM4500CI-B, total petroleum hydrocarbons (TPH)-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-motor oil/lube oil range organics (MRO) following EPA SW-846 Method 8015M, and benzene, toluene, ethylbenzene and total xylenes (BTEX) following EPA SW-846 Method 8021B. The background soil samples were analyzed for chloride only following EPA Method SM4500CI-B.

Laboratory analytical results are summarized in **Table 1** and **Table 2** in **Appendix D**. The executed chainof-custody forms and laboratory data sheets are provided in **Appendix E**.

6.0 DATA EVALUATION

Ensolum compared the chloride, BTEX, and/or TPH-GRO/DRO/MRO concentrations and/or laboratory sample detection limits (SDLs) associated with the final composite excavation soil samples, lateral

Deferral Request South Carlsbad Compressor Station

delineation soil samples, deferment delineation soil samples, and background soil samples for soil remaining in place to the applicable New Mexico EMNRD OCD closure criteria.

Historical data from the currently on-going groundwater investigation at the South Carlsbad Compressor Station, New Mexico EMNRD OCD Incident ID: nAPP2134932726, demonstrates naturally occurring high chloride concentrations in the groundwater at the Site, as depicted in **Table 3** in **Appendix B**. Based on the groundwater monitoring data, the depth to groundwater in the vicinity of the release Site ranges from approximately 10 to 15 feet bgs. Due to the presence of elevated concentrations of chloride in the surrounding soils and in the groundwater, Ensolum utilized the detected concentrations of chloride in the confirmation samples collected outside of the impacted area (BG01 and BG02, Northeast, North, Northwest, West, Southwest, South and Southeast, and North, East, and South) to calculate the 95th Upper Tolerance Limit (UTL) for the Site. Ensolum compared the chloride concentrations and/or laboratory SDLs associated with the confirmation soil samples to the calculated site-specific UTL (**Appendix D**).

- Laboratory analytical results indicated benzene concentrations for soil remaining in place within the
 excavation extent (FS01 through FS30, and SW01 through SW21), delineation soil samples
 (Northeast, North, Northwest, West, Southwest, South, and Southeast), background soil samples
 (BG01 and BG02), and deferment delineation soil samples (North, East, and South) do not exceed
 the laboratory SDLs and/or the New Mexico EMNRD OCD closure criteria of 10 milligrams per
 kilogram (mg/kg).
- Laboratory analytical results indicated total BTEX concentrations for soil remaining in place within the excavation extent (FS01 through FS30, and SW01 through SW21), delineation soil samples (Northeast, North, Northwest, West, Southwest, South, and Southeast), background soil samples (BG01 and BG02), and deferment delineation soil samples (North, East, and South) do not exceed the laboratory SDLs and/or the New Mexico EMNRD OCD closure criteria of 50 mg/kg.
- Laboratory analytical results indicated combined TPH GRO/DRO/MRO concentrations for soil remaining in place within the excavation extent (FS01 through FS30, and SW01 through SW05, SW07, and SW10 through SW21), delineation soil samples (Northeast, North, Northwest, West, Southwest, South, and Southeast), background soil samples (BG01 and BG02), and deferment delineation soil samples (North, East, and South) do not exceed the laboratory SDLs and/or the New Mexico EMNRD OCD closure criteria of 100 mg/kg.
- Laboratory analytical results indicated combined TPH GRO/DRO/MRO concentrations for soil
 remaining in place at sidewall soil sample locations SW06, SW08, and SW-09 at depths of 0-10
 feet bgs exceed the New Mexico EMNRD OCD closure criteria of 100 mg/kg. However, due to the
 location of the soils in this area relative to on-Site tanks and equipment, additional excavation could
 not be conducted in order to maintain the structural integrity. The soils in these areas are included
 in the deferral request.
- Laboratory analytical results indicate chloride concentrations for soil remaining in place within the excavation extent (FS01 through FS30, and SW01 through SW21) do not exceed the New Mexico EMNRD OCD closure criteria of 600 mg/kg. Laboratory analytical results indicate chloride concentrations for soil remaining in place at the locations of the delineation soil samples (Northeast, North, Northwest, West, Southwest, South, and Southeast), background soil samples (BG01 and BG02), and deferment delineation soil samples (North, East and South) do exceed the New Mexico EMNRD OCD closure criteria of 600 mg/kg; however, these concentrations do not exceed the calculated site-specific UTL of 9,065 mg/kg.

Laboratory analytical results are summarized in Table 1 and Table 2 in Appendix D.

7.0 RECLAMATION AND RE-VEGETATION

Subsequent to the results of the final confirmation soil sampling, the identified impacted soils were removed and taken off-Site for proper disposal. The excavated area was backfilled with clean imported material, and

then contoured to the original surrounding grade. The spill area is a caliche pad and does not require reclamation or revegetation at this time.

8.0 DEFERRAL REQUEST

Enterprise is requesting deferral of final remediation due to the presence of active production equipment and tank batteries to the east of the spill area. The impacted soil is limited to the area immediately adjacent to and beneath active production equipment, where remediation would require a major facility deconstruction.

The impacted soil remaining in place beneath the tank battery containment and equipment consists of an area comprising of approximately 71,820 cubic feet, or 2,660 cubic yards, as indicated in orange on **Figure 3 (Appendix A)**.

Based on field observations, field screening activities, and soil sample analytical results, Enterprise is submitting this Deferral Request, describing site assessment, remediation and delineation activities that have occurred and requesting deferral of final remediation for NMOCD Incident ID nAPP2327931302 until the Site is reconstructed, and/or abandoned.

9.0 FINDINGS AND RECOMMENDATION

- The primary objective of the closure activities was to reduce COC concentrations in the on-Site soils to be in compliance with the applicable New Mexico EMNRD OCD closure criteria using the New Mexico EMNRD OCD's NMAC 19.15.29 *Releases* as guidance.
- From November 9, 2023, to January 2, 2024, Ensolum collected a total of 69 composite excavation soil samples from 30 locations on the excavation floor (FS01 through FS30) and 21 locations on the excavation sidewall (SW01 through SW21). The excavation floor samples were collected at depths ranging from 10 to 14 feet bgs and the excavation sidewall samples were collected at a depth of 0 10 feet bgs. Subsequent to the results of the final confirmation soil sampling, the excavation was backfilled with clean material.
- In addition, Ensolum collected lateral delineation soil samples from seven locations (Northeast, North, Northwest, West, Southwest, South and Southeast), within approximately 2 feet outside of the impacted area, at a depth of 0 – 0.25 feet bgs. Two background soil samples (BG01 and BG02) were also collected at a depth of 0 – 0.25 feet bgs, no closer than 50 feet but no greater than 100 feet from the lateral and horizontal extents of the impacted area.
- On January 24, 2024, Ensolum collected a total of nine deferment delineation soil samples from three hydrovac borehole locations (North, East, and South) surrounding the adjacent tank battery to the east of the release area. The three hydrovac borehole locations (North, East and South) were situated approximately 15 feet to the north, east, and south of the extent of the lined containment for the tank battery adjacent east to the release area. Three soil samples were collected from each hydrovac borehole at depth ranging from 3 to 9.5 feet bgs.
- Historical data from a currently on-going groundwater investigation at the South Carlsbad Compressor Station, New Mexico EMNRD OCD Incident ID: nAPP2134932726, demonstrates naturally occurring high chloride concentrations in the groundwater at the Site, as depicted in Table 3 in Appendix B. Based on the groundwater monitoring data, the depth to groundwater in the vicinity of the release Site ranges from approximately 10 to 15 feet bgs. Due to the presence of elevated concentrations of chloride in the surrounding soils and in the groundwater, Ensolum utilized the detected concentrations of chloride in the confirmation samples collected outside of the impacted area (BG01 and BG02, Northeast, North, Northwest, West, Southwest, South and Southeast, and North, East, and South) to calculate the 95th UTL for the Site. Ensolum compared the chloride concentrations and/or laboratory SDLs associated with the confirmation soil samples to the calculated site-specific UTL (Appendix D).

- Based on laboratory analytical results, the final soil samples did not exhibit benzene, BTEX, TPH GRO/DRO/MRO, or chloride concentration above the applicable New Mexico EMNRD OCD closure criteria except for the following:
 - Laboratory analytical results indicated combined TPH GRO/DRO/MRO concentrations for soil remaining in place at sidewall soil sample locations SW06, SW08, and SW-09 at depths of 0-10 feet bgs exceed the New Mexico EMNRD OCD closure criteria of 100 mg/kg. However, due to the location of the soils in this area relative to on-Site tanks and equipment, additional excavation could not be conducted in order to maintain the structural integrity. The soils in these areas are included in the deferral request.
 - Laboratory analytical results indicate chloride concentrations for soil remaining in place at the locations of the delineation soil samples (Northeast, North, Northwest, West, Southwest, South, and Southeast), background soil samples (BG01 and BG02), and deferment delineation soil samples (North, East and South) do exceed the New Mexico EMNRD OCD closure criteria of 600 mg/kg; however, these concentrations do not exceed the calculated site-specific UTL of 9,065 mg/kg.
- Due to the current tank battery to the east of the release area preventing further remediation activities, a deferral request for remediation is required in this area, comprising of approximately 71,820 cubic feet, or 2,660 cubic yards, as indicated in orange on **Figure 3 (Appendix A)**.

Based on field observations, field screening activities, and soil sample analytical results, Enterprise is submitting this Deferral Request, describing site assessment, remediation and delineation activities that have occurred and requesting deferral of final remediation for NMOCD Incident ID nAPP2327931302 until the Site is reconstructed, and/or abandoned.

10.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

10.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services was performed in accordance with the scope of work agreed with the client, as detailed in our proposal.

10.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions in other areas or portions of the Site may vary from those encountered at actual sample locations. Ensolum's findings and recommendations are based solely upon data available to Ensolum at the time of these services.

10.3 Reliance

This report has been prepared for the exclusive use of Enterprise Field Services, LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization Enterprise Field Services, LLC and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and

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March 12, 2024

Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



APPENDIX A

Figures

Received by OCD: 3/14/2024 8:59:27 AM

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Received by OCD: 3/14/2024 8:59:27 AM



Received by OCD: 3/14/2024 8:59:27 AM



Released to Imaging: 4/17/2024 9:15:14 AM





APPENDIX B

Supporting Documentation

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 Page 16cof 182

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

Incident ID	NAPP2327931302
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Enterprise Field Services LLC	OGRID: 241602	
Contact Name: Thomas Long	Contact Telephone: 505-599-2286	
Contact email:tjlong@eprod.com	Incident # (assigned by OCD) #) nAPP2327931302	
Contact mailing address: 614 Reilly Ave, Farmington, NM 87401		

Location of Release Source

Latitude 32.313302

Longitude -104.137647

_NAD 83 in decimal degrees to 5 decimal places)

Site Name: South Carlsbad Compressor Station	Site Type Natural Gas Gathering Compressor Station
Date Release Discovered: 10/06/2023	Serial # (if applicable) N/A

Unit Letter	Section	Township	Range	County
Р	12	23S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: <u>Enterprise Field Services, LLC</u>)

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)		
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No		
Condensate	Volume Released (bbls): Estimated 5-10 BBLS	Volume Recovered (bbls): None		
Natural Gas	Volume Released (Mcf):	Volume Recovered (Mcf):		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Fire				
	October 06, 2023, Enterprise discovered a historic rele	I I		
release was discovered during maintenance of the tank battery. Remediation is in the progress A third party corrective action report will be submitted with the "Final C-141."				

Incident ID	NAPP2327931302

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ⊠ No	If YES, for what reason(s) does the responsible party consider t	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

 \boxtimes The source of the release has been stopped.

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

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

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

If all the actions described above have <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>Thomas J. Long</u>	Title: Senior Environmental Scientist
Signature:	Date: <u>10-17-2023</u> Telephone: _ <u>505-599-2286</u>
OCD Only Received by: <u>Shelly Wells</u>	Date: <u>10/17/2023</u>

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410

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

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:	
Enterprise Field Services, LLC	241602	
PO Box 4324	Action Number:	
Houston, TX 77210	276358	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	
CONDITIONS		

Created By Condition Condition Date 10/17/2023 scwells None

CONDITIONS

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Action 276358

Kelly Lowery

From:	Long, Thomas <tjlong@eprod.com></tjlong@eprod.com>
Sent:	Friday, October 6, 2023 9:43 AM
To: Subject:	Kelly Lowery FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 273124

[**EXTERNAL EMAIL**]

South Carlsbad CS.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, October 6, 2023 8:42 AM
To: Long, Thomas <tjlong@eprod.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 273124

[Use caution with links/attachments]

To whom it may concern (c/o Thomas Long for Enterprise Field Services, LLC),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2327931302, with the following conditions:

• When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Please reference nAPP2327931302, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

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

ocd.enviro@state.nm.us

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

This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Kelly Lowery

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, November 7, 2023 11:38 AM
То:	Long, Thomas; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc:	Stone, Brian; Kelly Lowery; Hanway, Jeremiah
Subject:	RE: [EXTERNAL] South Carlsbad Compressor Station -UL P Section 12 T23S R27E; 32.313302,
-	104.137647; NMOCD Incident # nAPP2327931302

[**EXTERNAL EMAIL**]

Good morning Thomas,

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 http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, November 7, 2023 9:39 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kelly Lowery <klowery@ensolum.com>; Hanway, Jeremiah
<JJHANWAY@eprod.com>
Subject: [EXTERNAL] South Carlsbad Compressor Station -UL P Section 12 T23S R27E; 32.313302, 104.137647; NMOCD Incident # nAPP2327931302

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

All,

This email is a notification that Enterprise will be collecting closure samples at the South Carlsbad Compressor Station on Thursday, November 9, 2023 at 10:00 a.m.

In anticipation of additional excavating completed, Enterprise will also be collecting closure samples on Friday, November 10, 2023 at 9:00 a.m.

If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.

Kelly Lowery

From: Sent:	Hamlet, Robert, EMNRD <robert.hamlet@emnrd.nm.gov> Thursday, December 14, 2023 9:16 AM</robert.hamlet@emnrd.nm.gov>
То:	Long, Thomas
Cc:	Stone, Brian; Kelly Lowery; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD; Velez, Nelson, EMNRD
Subject:	South Carlsbad Compressor Station - UL P Section 12 T23S R27E; 32.313302, 104.137647; NMOCD Incident # nAPP2327931302

You don't often get email from robert.hamlet@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

RE: Incident #NAPP2327931302

Thomas,

The maximum extension the OCD can grant is 90 days. Your request for an extension to **March 13th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave.| Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Long, Thomas <tjlong@eprod.com>
Sent: Tuesday, December 12, 2023 9:42 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kelly Lowery <klowery@ensolum.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] South Carlsbad Compressor Station - UL P Section 12 T23S R27E; 32.313302, 104.137647; NMOCD Incident # nAPP2327931302

Shelly,

The email is a time extension request for the South Carlsbad Compressor Station, UL P Section 12 T23S R27E; 32.313302, 104.137647; NMOCD Incident # nAPP2327931302, for continued remediation activities. The initial remediation and closure report submittal deadline is January 6, 2024. Enterprise is actively remediating the October 6, 2023 release. Enterprise requests a 90-day time extension to April 6, 2024 to complete remediation activities and to compile the necessary documentation for submittal to NMOCD. Please acknowledge acceptance of the time extension request. If you have any questions, please call or email.

Kelly Lowery

From:	Long, Thomas <tjlong@eprod.com></tjlong@eprod.com>
Sent:	Tuesday, December 12, 2023 10:42 AM
То:	Wells, Shelly, EMNRD; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc:	Stone, Brian; Kelly Lowery; Velez, Nelson, EMNRD
Subject:	RE: [EXTERNAL] South Carlsbad Compressor Station - UL P Section 12 T23S R27E; 32.313302,
	104.137647; NMOCD Incident # nAPP2327931302

[**EXTERNAL EMAIL**]

Shelly,

The email is a time extension request for the South Carlsbad Compressor Station, UL P Section 12 T23S R27E; 32.313302, 104.137647; NMOCD Incident # nAPP2327931302, for continued remediation activities. The initial remediation and closure report submittal deadline is January 6, 2024. Enterprise is actively remediating the October 6, 2023 release. Enterprise requests a 90-day time extension to April 6, 2024 to complete remediation activities and to compile the necessary documentation for submittal to NMOCD. Please acknowledge acceptance of the time extension request. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, December 4, 2023 8:23 AM
To: Long, Thomas <tjlong@eprod.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael,
EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Stone, Brian <bmstone@eprod.com>; Kelly Lowery <klowery@ensolum.com>; Velez, Nelson, EMNRD
<Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] South Carlsbad Compressor Station -UL P Section 12 T23S R27E; 32.313302, 104.137647;
NMOCD Incident # nAPP2327931302

[Use caution with links/attachments]

Hi Thomas,

I'm glad it finally worked. Thank you for your patience through this process.

Received by OCD: 3/14/2024 8:59:27 AM

Page 25 of 182 Revise: une 1972

467404

STATE ENGINEER OFFICE

				Section 1.	GENERAI	L INFORM	ATION	1		
(A)	Street or I	well <u>Robe</u> Post Office Add State <u>Carl</u>	430	<u>Brant</u> 1	ey Rd.	• _ <u>.</u>		Owner'	s Well No	
Well	was drilled	under Permit N	10. <u>C-3C</u>	153		and is	located	l in the:		
								235 Rang	e <u>27</u> E	N.M.P.M.
	b. Tract l	No	_ of Map No	······································	of	the				
		o c rision, recorded								
	d. X= the		feet, Y=		feet,	, N.M. Coo	dinate	System		Zone in Grant.
(B)	Drilling C	ontractorT	aylor Wa	ter Wel	1 Serv	vice		License No	WD-1348	4
Add	resš	7317 Etch	everry R	d., Car	lsbad,	NM 88	220		· · · · · · · · · · · · · · · · · · ·	
Drill	ing Began .	3/16/04	Comp	leted <u>3/</u>	17/04	Туре	tools _	Rotary	Size of hole	<u>7 7/8</u> in.
Elev	ation of lar	nd surface or		•	at	well is 30	017	ft. Total depth	of well94	4 ft.
		is 🖄 sh						r upon completion		
	.p			ion 2. PRINC				1		
	Depth	in Feet	Thickness					Formation	Estimated	
	From 56	<u>To</u> 94	in Feet 38		Gravel	`				
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	•			Section	1 3. RECO	RD OF CA	SING			
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·				6+'		GGING RE	ርብቅጥ			
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Address	No.	Depth	in Feet	Cubic Feet
Plugging Method	NO.	Тор	Bottom	of Cement
Date Well Plugged	1			
Plugging approved by:	2			
	3			
State Engineer Representative	4			

Quad

Use

Date Received

FOR USE OF STATE ENGINEER ONLY

Non

C-3053 File No._ Released to Imaging: 4/17/2024 9:15:14 AM

4-12-04

23.27.12.443 Location No.

FSL.

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Received

f 182

	Section 6. LOG OF HOLE						OCD: 3/14/2024 8:59:27 AM Depth in Feet Thickness		
	ed	Material Encount	r and Type of I	C.		in Feet	То	From	
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			liche	Grave1+C	Fi	4	10	6	
		<u> </u>	ndy	off wht,	C	10	20	10	
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		y Y	t gry,slt	off wht-	C	26	52	26	
			me sndy	d,stky,	C	4	56	52	
grave	n-yel brn	sand+fn c	clay,brn	e of ĉ(M	16	32	56	
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grave	n-yel brn	sand+fn c	clāy,brn	e of ro	Mi	24	100	76	
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						+			

Section 7. REMARKS AND ADDITIONAL INFORMATION

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Briller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office xcept Section 5, shall be answered as comple of the State Engineer. All section and accurately as possible when any well is drilled, repaired or deepened. When and Section 5 need be completed. rm is used as a plugging record, only Section



OFFICE OF THE STATE ENGINEER

	OSE POD N	UMBER (WELI	NUMBER)			OSE FILE NU	MBER(S)						
No	(POD1) E	NTERPRIS	E SOUTH CARLS	BAD COMPRESSOR MW #6		C-3888	C-3888						
ATI	i i i i i i i i i i i i i i i i i i i	ER NAME(S)		· · · · · · · · · · · · · · · · · · ·	PHONE (OPT	PHONE (OPTIONAL)							
0C	ENTERPF	RISE PROD	UCTS OPERATIN	GLLC									
GENERAL AND WELL LOCATION	P.O. BOX	ER MAILING /	ADDRESS			ł	STATE TEXAS 7	ZIP 7252-2521					
é		<u> </u>	DEGREE	S MINUTES SECON	IDS	<u>}</u>							
ALA	WELL LOCATION LATIT			18 49	-	Y REQUIRED: ONE TEN QUIRED: WGS 84	TH OF A SECOND						
NER	(FROM G	LONG	_{JITUDE} 104	08 11	W	DATOMAL							
GEI	DESCRIPTIO	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE											
Ι.	1 MILE WEST 385 ON CARRASCO ROAD. SE1/4 SE1/4 S12, T23S, R27E												
	LICENSE N WD-1710		NAME OF LICENSED			<u> </u>	NAME OF WELL DR						
	DRILLING 8 9-15-15	1	DRILLING ENDED -15-15	DEPTH OF COMPLETED WELL (FT) 35'	BORE HO	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED	FT)				
N	COMPLETE	D WELL IS:	ARTESIAN	C DRY HOLE (SHALLOW (UN	CONFINED)		STATIC WATER LEV	VEL IN COMPLETED	WELL (FT)				
VTIC	DRILLING F	UID: (• AIR	C MUD ADDITIVES-SI	PECIFY:								
RM/	DRILLING N	AETHOD: (ROTARY	C HAMMER C CABLE TOOL	С отне	R - SPECIFY:	*		·····				
(FO]	DEPTH	(feet bgl)		CASING MATERIAL AND/OR	1		CACENIO.						
2. DRILLING & CASING INFORMATION	FROM TO DIAM			GRADE CA (include each casing string, and CON		ASING NECTION YPE	CASING INSIDE DIAM. (inches)	CASING WAL THICKNESS (inches)	0.0001				
	!			note sections of screen)				´	_				
න උ	35' 5'	5'	6"	SCH 40.010 CSREEN	FJ		2"	0.154	.010				
Ň	5	0	б"	SCH 40 2" RISER	FJ		2"	0.154	RISER				
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	DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEAL M		ND	AMOUNT						
3	FROM		DIAM. (inches)	GRAVEL PACK SIZE-RANG			(cubic feet)		HOD OF EMENT				
RI/	35'	4'	6"	14 BAGS OF 20/40 SAND	<u> </u>				n				
ITA	4'	-1'	6"	7 BAGS OF 3/8 HOLEPLUG	<u> </u>			TOPLOA					
RM	1'	0'	6"	3 BAGS OF CONCRETE		··· ···		TOPLOA					
JI A					·		<u> </u>		<u> </u>				
ANNULAR MATERIAL	<u> </u>			······································									
3. A		5 (s) (s) (s)					<u> </u>						
ŀ				· · · · · · · · · · · · · · · · · · ·									
FOR	OSE INTER	NAL USE		· · · · ·			0 WELL RECORD &	L OG (Marrian A					
	NUMBER	(- :	3222	POD NUMBER	<u> </u>		NUMBER		00/2012)				
LOCA	ATION	125	27751	<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	l	ħ	$\frac{O}{100000000000000000000000000000000000$		E 1 OF 2				
		$\alpha \mathcal{D}$	OLIVel.	0, <u>T'</u> <u>T'T</u>		<u> </u>	UNITU!						

	DEPTH		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZON	WATER BEARING?	ESTIMATED YIELD FOR WATER-						
	FROM	TO	(1661)	(attach supplemental sheets to fully describe all units)	(YES/NO)	BEARING ZONES (gpm)						
1	0	8	8'	TAN SILTY CLAY & SAND	CYGN	N/A						
	8'	19'	11'	TAN SILTY CLAY	C Y O N	N/A						
	19'	35'	16'	TAN SILTY CLAY & SAND	C Y O N	N/A						
	TD	35'	·····		CY CN	N/A						
					CYCN							
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4. HYDROGEOLOGIC LOG OF WELL					CYCN							
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	METHOD U	ISED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA: C PUMP	TOTAL ESTIMATED							
	C AIR LIF	т С	WELL YIELD (gpm):									
		TEST	RESULTS - ATT	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, IN	L	AETHOD.						
NO	WELL TES			ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OV								
TEST; RIG SUPERVISION			ORMATION:									
PER	8"X12" FL 2X2 PAD	USH MOU	JNT									
DS 5	EDDY CC	UNTY										
RIC												
EST	PRINT NAM	ME(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CO	NSTRUCTION OTHER TH	AN LICENSEE:						
5. T												
					· · · · · · · · · · · · · · · · · · ·							
r=1	THE UNDE	RSIGNED F	IEREBY CERTIF	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL	JEF, THE FOREGOING IS RECORD WITH THE STA	A TRUE AND TE ENGINEER						
SIGNATURE	AND THE I	PERMIT HO	LDER WITHIN 2	0 DAYS AFTER COMPLETION OF WELL DRILLING:								
LAN	20.	0 ـ	1 1									
SIG	Ma	Ti S	That	MARTINSTRALD	9-28-15							
9		SIGNAT	DATE									
				W/D 20 11/	ELL RECORD & LOG (Ver	sion 06/08/2012)						
	R OSE INTER		2222	POD NUMBER TRN NUM		3						
	CATION	<u>0</u> 25	JUCO JUE L	24.4.4	nitor	PAGE 2 OF 2						
L		<u> </u>	<u> </u>			·						



OFFICE OF THE STATE ENGINEER

	OSE POD N	JUMBER (WELL	NUMBER)				OSE FILE NU	MBER(\$)			
N	(POD2) I	ENTERI	PRISE	SOUTH CARLS	BAD COMPRESSO	C-3888	C-3888					
Ĩ,	WELL OWNER NAME(S)								IONAL)	·	r.	
0 0	ENTERPRISE PRODUCTS OPERATING LLC											
GENERAL AND WELL LOCATION	1	WELL OWNER MAILING ADDRESS P.O. BOX 2521							 J	STATE TEXAS 772	ZIP 252-2521	
AND	WELL	-		DEGREES		SECON	DS					
AL.	LOCATI		LATI		18	50	N	4	Y REQUIRED: ONE TEN	TH OF A SECOND		
NER	(FROM G			ITUDE 104	08	07	W	l	QUIRED: WGS 84			
GE	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE											
	1 MILE WEST 385 ON CARRASCO ROAD. SE1/4 SE1/4 S12, T235, R27E											
	LICENSE N			NAME OF LICENSED			· · · · - ·		NAME OF WELL DR			
	WD-171			MARTIN STRAU					STRAUB CORPO	DRATION		
	DRILLING 9-16-15	STARTED	1	DRILLING ENDED 16-15	DEPTH OF COMPLETE	D WELL (FT)	BORE HOI 30'	LE DEPTH (FT)	DEPTH WATER FIR	ST ENCOUNTERED (F)	ľ)	
Z	COMPLETE	ED WELL	IS: C	ARTESIAN	C DRY HOLE	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	EL IN COMPLETED W	ELL (FT)	
OIT	DRILLING	FLUID:	(AIR	C MUD	ADDITIVES - SP	ECIFY:		I	<u> </u>		
RMA	DRILLING	METHOD	: (ROTARY	C HAMMER C	CABLE TOOL	~~~~	R – SPECIFY:				
NFO.	DEPTH (feet bgl) BORE HOLE				CASING MATERIAL AND/OR			CASING				
2. DRILLING & CASING INFORMATION	FROM	BORETIOLE		DIAM	GRADE		CONN	ASING VECTION YPE	INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
k CA	30'	5'		6"	SCH 40.010 CSI	· · · · · · · · · · · · · · · · · · ·	FJ		2"	0.154	.010	
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Ţ	FROM	TC		BORE HOLE DIAM. (inches)		ULAR SEAL MA CK SIZE-RANG			AMOUNT (cubic feet)	METHO PLACE		
RIA	30'	5	,	6"	11 BAGS OF 20/		~ ~					
ANNULAR MATERIAL	5	- J - 1'		6"	5 BAGS OF 3/8 F				—	TOPLOAD	}	
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LAF	•	⊢ —		<u> </u>	5 DAGS OF CON				·	TOPLOAD		
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	ATION	<u> </u>	<u> </u>	<u>3888</u>		7	<u> </u>		iumber 5	21013	1.05.0	
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	DEPTH (feet bgl)	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	WATER BEARING?	ESTIMATED YIELD FOR WATER-
	FROM	то	(fcet)	(attach supplemental sheets to fully describe all units)	(YES/NO)	BEARING ZONES (gpm)
	0	6'	6'	TAN & BROWN SILTY CLAY & SAND	CYGN	N/A
	6'	10'	4'	TAN SILTY CLAY	CYEN	N/A
	10'	24'	14'	TAN YELLOW SILTY CLAY & SAND	CY (N	N/A
	24'	28'	4'	TAN SILTY CLAY & SAND	CY ON	N/A
	28'	30'	2'	TAN SANDSTONE	CYCN	
ſ	TD	30'				
4. HYDROGEOLOGIC LOG OF WELL						
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	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA: C PUMP	TOTAL ESTIMATED	
	CAIRLIFT C BAILER C			OTHER – SPECIFY:	WELL YIELD (gpm):	
NO	WELL TES	T TEST STAR	RESULTS - ATT T TIME, END TI	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCL ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVEF	UDING DISCHARGE	METHOD,)D.
TEST; RIG SUPERVISION			ORMATION:			
PER	8"X12" FL 2X2 PAD	USH MOU	JNT			
ns t	EDDY CC	UNTY				
; RIC						Đ
EST	PRINT NAM	ME(S) OF D	RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONS	TRUCTION OTHER TH	IAN LICENSEE:
5. T						
r_1	THE UNDE	RSIGNED H	HEREBY CERTIN	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE	F, THE FOREGOING IS CORD WITH THE STA	S A TRUE AND TE ENGINEER
6. SIGNATURE	AND THE P	PERMIT HO	LDER WITHIN 2	20 DAYS AFTER COMPLETION OF WELL DRILLING:		
NAT	0	,	01 1			
SIG	M	Ji r	Atal	MARTIN STRAULS	9-28-15	-
6.		SIGNAT	URE OF DRILLI	ER / PRINT SIGNEE NAME	DATE	
	l					
	R OSE INTER	NAL USE	1000	POD NUMBER TRN NUMBE	L RECORD & LOG (Ve	3^{-100}
	E NUMBER	<u> </u>	2225		~ 0.101	PAGE 2 OF 2
LO	CATION	<u>235</u>	. 27E.1	J. 4. 4. 4	UNITUR	TAOL 2 OF 2

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- <u></u>	OSE POD NUMBER (WELL NUMBER)								OSÉ FILE NUMBER(S)				
NO	(POD3) ENTERPRISE SOUTH CARLSBAD COMPRESSOR MW #8							C-3888					
ULV:	WELL OWN							PHONE (OPTIONAL)					
Po Po				JCTS OPERATIN									
GENERAL AND WELL LOCATION	WELL OWN P.O. BOX		LING A	DDRESS				CITY STATE ZIP HOUSTON TEXAS 77252-252					
	WELL		DEGREES MINUTES SECONDS										
	LOCATIO		LATI	TUDE 32	18	48	<u>N</u>	ļ	REQUIRED: ONE TEN	TH OF A SECOND			
ER/	(FROM GI	PS)	LONG	ITUDE 104	08	09 (Ŵ	+ DATUM RE	QUIRED: WGS 84				
GEN	DESCRIPTIO	N RELAT	ING WE	LL LOCATION TO STREE	TADDRESS AND COM	NON LANDMARKS - PLS	S (SECTION, T	OWNSHJIP, RANG	GE) WHERE AVAILABLE				
i	1 MILE WEST 385 ON CARRASCO ROAD. SE1/4 SE1/4 S12, T23S, R27E												
	UCENSE NU WD-1710			NAME OF LICENSED					NAME OF WELL DRILLING COMPANY STRAUB CORPORATION				
	DRILLING S 9-16-15	TARTEI	- I	1	DEPTH OF COMPLETED WELL (FT) BORE HO 35' 35')	LE DEPTH (FT)	E DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)		T)		
Z	COMPLETE	D WELL	1S: (ARTESIAN	C DRY HOLE	SHALLOW (UNC	ONFINED)		STATIC WATER LEV	EL IN COMPLETED V	VELL (FT)		
TIO	DRILLING F	LUID:	(AIR	C MUD	ADDITIVES – SPECIFY:							
RMA	DRILLING N	IETHOD): (ROTARY	C HAMMER (CABLE TOOL	С отне	R - SPECIFY:		·····			
NFO	DEPTH (feet bgl) BORE HOLE			BORE HOLE	CASING MATERIAL AND/OR			 SING	CASING	CASING WALL			
DRILLING & CASING INFORMATION	FROM TO		0	DIAM (inches)	GRADE (include each casing string, and note sections of screen)		CONNECTION		INSIDE DIAM. (inches)	THICKNESS (inches)	SLOT SIZE (inches)		
& C/	35'	5'		6"	SCH 40 .010 C	SREEN	FJ		2"	0.154	.010		
9N NG	5'	0		6"	SCH 40 2" RIS	ER	FJ		2"	0.154	RISER		
ILLI													
DR							<u> </u>		[
5		L					ļ						
				<u> </u>		·	<u> </u>	·····	<u> </u>	·····			
					·								
ŀ						····			<u> </u>				
ŀ						· · · · · · · · · · · · · · · · · · ·							
	DEPTH	(feet bg	;l)	BORE HOLE	LIST AN	INULAR SEAL MA	TERIAL A	ND	AMOUNT	мети			
F	FROM	T)	DIAM. (inches)					(cubic feet)		METHOD OF PLACEMENT		
ERI	35	5'		6"	14 BAGS OF 2	0/40 SAND		TOPLO			DAD DAD		
IAT	5	1'		6"	7 BAGS OF 3/8	B HOLEPLUG	<u></u>			TOPLOAD			
RA	1' 0' 6"			6"	3 BAGS OF CONCRETE				TOPLOAD				
ANNULAR MATERIAL		_		ur ur la La Na									
3.													
					···								
	OSE INTER	NAL U	SE		· · · · · · · · · · · · · · · · · · ·			WR-20) WELL RECORD &	& LOG (Version 06/	08/2012)		
	NUMBER	<u>C</u>	<u></u>	3883		POD NUMBER	3	TRN N	NUMBER Sr	11013			
LOC	ATION	3	35	S. STE.I	2.4.4.	+		9	monito	PAGI	E1 OF 2		

	DEPTH (feet bgl)			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			ESTIMATED			
i	·	1	THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)				WATER BEARING?	YIELD FOR			
	FROM	то	(feet)					(YES/NO)	WATER- BEARING ZONES (gpm)			
	0	6'	6'	BROWN & TAN S	ILTY CLAY			CY (N	N/A			
	6'	12'	6'	TAN SILTY CLAY			<u> </u>	CY ON	N/A			
	12' 26' 14'		14'	TAN SILTY CLAY	' & SAND		<u> </u>	CY (N	N/A			
	26' 30' 4'		4'	TAN & RED SILTY	CLAY & SAND			CY (N	N/A			
:	30'	35'	5'	TAN SILTY CLAY	& SAND			CYCN				
Ę.	TD	35'						СҮТМ				
WEI					· · · · ·			CYCN				
OF				<u> </u>	· · · ·			CYN				
00					· · · · · · · ···			CYCN				
LOC								CYCN				
GEO					· · · · · · · · · · · · · · · · · · ·	· · ·		CYCN				
RO								CYCN				
4. HYDROGEOLOGIC LOG OF WELL								СҮСМ				
4								СҮСМ				
								CYCN				
								CYCN				
								CYCN				
				· · · · · · · · · · · · · · · · · · ·	······			CYCN				
							· · · · · · · · · · · · · · · · · · ·					
				OF WATER-BEARIN OTHER – SPECIFY:	G STRATA:	PUMP	1	OTAL ESTIMATED				
	C AIR LIFT		VELL YIELD (gpm):									
N	WELL TES	T TEST	RESULTS - ATT. I TIME, END TIM	ACH A COPY OF DA ME, AND A TABLE SI	TA COLLECTED DL HOWING DISCHAR	RING WELL 1 GE AND DRA	TESTING, INCLU WDOWN OVER	JDING DISCHARGE I THE TESTING PERIC	METHOD, DD.			
VISIV	MISCELLANEOUS INFORMATION:											
PER	8"X12" FLUSH MOUNT 2X2 PAD											
INS 5	EDDY COUNTY											
; RIC	0											
TEST; RIG SUPERVISION	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:											
5. J												
E	CORRECT F	RECORD OI	F THE ABOVE D	ESCRIBED HOLE AN	ID THAT HE OR SH	e will file 1	FE AND BELIEF, THIS WELL REC	THE FOREGOING IS ORD WITH THE STA	TE ENGINEER			
SIGNATURE	AND THE P	ERMIT HO	LDER WITHIN 2	0 DAYS AFTER COM	IPLETION OF WELL	DRILLING:						
GNA	m.	+. 1	l + l	conti			0		ļ			
6. SI	112	-mg	Anal	MAKIN	-Strack)		-28-15				
_		SIGNAT	URE OF DRILLE	R / PRINT SIGNEE	NAME			DATE				
FO	OSE INTERI	NAL USE				·····	WR-20 WELL	RECORD & LOG (Ve	rsion 06/08/2012)			
	E NUMBER	<u>C-3</u>	888		POD NUMBER	3	TRN NUMBER	57101	3			
LO	CATION	235	. JTE.	2.4.4.4			m	Dnitor	PAGE 2 OF 2			



OFFICE OF THE STATE ENGINEER

	OSE POD NUMBER (WELL NUMBER)						OSE FILE NUMBER(S)				
NO	(POD4) ENTERPRISE SOUTH CARLSBAD COMPRESSOR MW #9										
GENERAL AND WELL LOCATION	WELL OWN		•			PHONE (OPTIONAL)					
Š			DUCTS OPERATIN	GLLC			CITY		07.477		710
	WELL OWNER MAILING ADDRESS P.O. BOX 2521							l	STATE TEXAS	7725	ZIP 2-252
M											
ANI			32	DEGREES MINUTES SECONDS 32 18 47 N			+ ACCURACY	REQUIRED: ONE TEN	NTH OF A SEC	OND	
W I			LATITUDE	08				QUIRED: WGS 84			
SNE!		Ĺ	LONGITUDE 104			W					
1. GI	Į		5 ON CARRASCO R				Ownstor, white	e) where replet			
		(E21 30)			112, 1255, N	276					
	LICENSE NU WD-1710		NAME OF LICENSED MARTIN STRAU		-			NAME OF WELL DI		PANY	
	1					L DODE HOL	E DEDTU (PT)			EDED (ET)	
	DRILLING STARTED DRILLING ENDED 9-17-15 9-17-15			DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) 35' 35'		DEPTH WATER FIRST ENCOUNTERED (FT)					
Z	COMPLETED WELL IS: C ARTESIAN C DRY HOLE (SHALLOW (UNCONFINED) N/A										
	DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:										
RMA	DRILLING N	AETHOD:	F ROTARY	C HAMMER C	CABLE TOOL	С отне	R - SPECIFY:	. <u> </u>	<u>.</u>		
	DEPTH	(feet bgl)) BORE HOLE	CASING MATERIA	AL AND/OR			CASING	CASING		61
5	FROM	TO	BOREHOLL	GRADE			ASING VECTION	INSIDE DIAM.	THICK		SL SI
ZIS			(inches)	(include each casin note sections of	g string, and screen)	Т	YPE	(inches)	(incl	hes)	(inc
s S	35'	5'	6"	SCH 40 .010 CSRE	EN	FJ		2"	0.154		.01
ž	5'	0	6"	SCH 40 2" RISER		FJ		2"	0.154		RIS
2. DRILLING & CASING INFORMATION	····				·				-		
DR.						-	<u></u>				
2						-{					
	<u> </u>										
								· · ·			
	DEPTH (feet bgl) BORE HOLE			LIST ANNULAR SEAL MATERIAL AN		ND	AMOUNT		METHOD OF		
AL	FROM	TO	DIAM. (inches)	GRAVEL PACK SIZE-RANGE BY INTER		RVAL	(cubic feet)		PLACEMENT		
EKI	35'	5'	6"	14 BAGS OF 20/4	0 SAND		TOPLOAD				
MA	5	1'	6"	4 BAGS OF 3/8 HO	OLEPLUG				то	PLOAD	
AK.	1'	0'	6"	3 BAGS OF CONCRETE				· · · · · · · · · · · · · · · · · · ·	ТО	PLOAD	
ANNULAR MATERIAL											
3.		<u> </u>									
				L							
L'AD	OSE INTER	INAL US	the second s					0 WELL RECORD			8/2012
	NUMBER	\sim	3888 1		OD NUMBER		י אסד	VUMBER < 🗠	1013		

	DEPTH (feet bg!)											
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ID TYPE OF MATERIAL ENCOU ER-BEARING CAVITIES OR FRA pplemental sheets to fully describe	CTURE ZONES	WATER BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)				
	0	6'	6'	BROWN SILTY CL	AY & SAND		CYCN	N/A				
	6'	9'	3'	TAN SILTY CLAY	& SOFT CALICHE		CY IN	N/A				
	9'	24'	15'	TAN SILTY CLAY			CY (N	N/A				
	24'	35'	11'	TAN SILTY CLAY	& SAND	·	CY (N	N/A				
	TD	35'		· · · · ·			CYCN					
Ţ							СҮСМ					
WEL				<u> </u>			CYCN					
4. HYDROGEOLOGIC LOG OF WELL					,		СҮСМ					
00				· · · · · · · · · · · · · · · · · · ·			CYCN					
							C ^Y C ^N					
roc							CYCN					
GEO	· · · · · · · · · · · · · · · · · · ·				· · ·		CYCN					
RO.							CYCN					
EXH							CYCN					
4							CYCN					
1							CYCN					
							CYCN					
						· · · · · · · · ·	CYCN					
							CYCN					
							СҮС М					
							CYCN					
	METHOD U			OF WATER-BEARING OTHER – SPECIFY:	G STRATA: C PUMP		TAL ESTIMATED ELL YIELD (gpm):					
ION	WELL TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.											
5. TEST; RIG SUPERVISION	MISCELLANEOUS INFORMATION:											
IPER	8"X12" FLUSH MOUNT 2X2 PAD											
G SI	EDDY COUNTY											
L; R	8											
TES	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE											
'n												
	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND											
IRE	CORRECT I	RECORD OI	F THE ABOVE D LDER WITHIN 2	ESCRIBED HOLE AN 0 DAYS AFTER COM	ID THAT HE OR SHE WILL FILE PLETION OF WELL DRILLING:	THIS WELL RECO	RD WITH THE STA	TE ENGINEER				
ATT	<u></u>		•									
6. SIGNATURE	ma	t- 1	tran 1	martin	-Straub	g	1-28-15					
9	110-	<u>SIGNAT</u>	URE OF DRILLE	R / PRINT SIGNEE		(DATE					
						<u> </u>						
	R OSE INTER	NAL USE					ECORD & LOG (Ve	rsion 06/08/2012)				
	E NUMBER	<u> </u>	5888		POD NUMBER	TRN NUMBER	211013	PAGE2 OF 2				
LO	CATION	<u> </u>	. 27E.1	2.44.3			nitur	PAGE 2 OF 2				

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OFFICE OF THE STATE ENGINEER

	OSE POD NUMBER (WELL NUMBER)							OSE FILE NUMBER(S)				
NO	(POD5) ENTERPRISE SOUTH CARLSBAD COMPRESSOR MW #10							C-3888				
ATI	WELL OWN			. <u> </u>			PHONE (OPTIONAL)					
) OC			DDUCTS OPERATIN	ig llc								
TT			NG ADDRESS						STATE TEXAS 772	ZIP 52-2521		
WEI	P.O. BOX	2521						· · · · · · · · · · · · · · · · · · ·				
GENERAL AND WELL LOCATION	WELL		DEGREE	S MINUTES	SECOND	S						
	LOCATIO		32 18 48 _N					REQUIRED: ONE TEN	TH OF A SECOND			
	(FROM G	PS)	ONGITUDE 104	08	11	·w	* DATUM RE	QUIRED: WGS 84				
ENI	DESCRIPTIO			ET ADDRESS AND COMMO	N LANDMARKS - PLS	S (SECTION, T	U. OWNSHJIP, RANG	E) WHERE AVAILABLE				
1. G	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE 1 MILE WEST 385 ON CARRASCO ROAD. SE1/4 SE1/4 S12, T235, R27E											
	LICENSE NI	JMBER	NAME OF LICENSEI	D DRILLER				NAME OF WELL DR				
	WD-1710)	MARTIN STRAU	B				STRAUB CORPC	RATION			
	DRILLING S	TARTED	DRILLING ENDED	DEPTH OF COMPLETE	D WELL (FT)		LE DEPTH (FI)		ST ENCOUNTERED (FT)		
	9-16-15		9-16-15	35'		35'		NA				
			~	<u> </u>					EL IN COMPLETED W	ELL (FT)		
Z	COMPLETED WELL IS: C ARTESIAN C DRY HOLE (SHALLOW (UNCONFINED)							N/A				
DRILLING & CASING INFORMATION	DRILLING FLUID: • AIR • MUD ADDITIVES - SPECIFY:											
ORN	DRILLING METHOD: ROTARY C HAMMER C CABLE TOOL C OTHER-SPECIFY:											
NFC	DEPTH (feet bgl)) BORE HOLE	HOLE CASING MATERIAL AND/OR GRADE		C/	ASING	CASING	CASING WALL	SLOT		
UN N	FROM	TO	2	(include each cas			NECTION	INSIDE DIAM.	THICKNESS	SIZE		
ASI			(inches)	note sections			ГҮРЕ	(inches)	(inches)	(inches)		
& C	35' 10'		8"	SCH 40 .010 CSREEN		FJ		4"	0.237	.010		
NG	10'	0	8"	SCH 40 4" RISER		FJ		4"	0.237	RISER		
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DR				-			· · · · · · · · · · · · · · · · · · ·					
2.								· · · ·		ļ		
				<u> </u>								
	<u> </u>			+		<u> </u>						
	DEDE			<u> </u>				<u> </u>	L	<u> </u>		
ا د		(feet bgl)	DIAM (inches)	LIST ANNULAR SEAL MATERIAL A GRAVEL PACK SIZE-RANGE BY INTE				AMOUNT (cubic feet)	METHO			
RIA	FROM	TO	. ,									
TEI	35'	8'	8"	14 BAGS OF 20/40 SAND					TOPLOAD			
W	8'	1'	8"		6 BAGS OF 3/8 HOLEPLUG				TOPLOAD			
AR	1'	0'	8"	3 BAGS OF COM	3 BAGS OF CONCRETE				TOPLOAD			
ANNULAR MATERIAL								}				
Э.					<u> </u>							
								1				
	OSE INTER	NAL US						0 WELL RECORD	10 -	2012)		
		<u> </u>	- 3888		POD NUMBER	<u> </u>	IKN	NUMBER 57	1013	1 OF 2		
	ATION	2.2		2 U.U.	+			Monite	I PAGE	nor2		

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	T										
	DEPTH (feet bgl)		THICKNESS	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES	WATER BEARING?	ESTIMATED YIELD FOR					
	FROM	то	(feet)	(attach supplemental sheets to fully describe all units)	(YES / NO)	WATER- BEARING ZONES (gpm)					
	0	5'	5'	BROWN & TAN SILTY CLAY	CY (N	N/A					
	5'	6'	1'	TAN SILTY CLAY & SAND	CY (N	N/A					
	6'	9	3'	SOFT CALICHE	CYGN	N/A					
	9'	23	14'	TAN SILTY CLAY	CYON	N/A					
	23'	35'	12'	TAN SILTY CLAY & SAND	C Y (N	N/A					
Ţ	TD	35'			CYCN						
WEI					CY CN						
OF					CYCN						
00					CYCN						
IC1					CYCN						
Ŏ					CYCN						
GEO			· · · · ·		CYCN						
В0					CYCN						
4. HYDROGEOLOGIC LOG OF WELL					CYCN						
4					CYCN						
					CYCN						
					CYCN						
	METHOD U	ISED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA: C PUMP	TOTAL ESTIMATED						
	C AIR LIF	т С	BAILER C	OTHER - SPECIFY:	WELL YIELD (gpm):						
NOIS	WELL TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.										
VISI	MISCELLANEOUS INFORMATION:										
PER	8"X12" FLUSH MOUNT 2X2 PAD										
DS SU	EDDY COUNTY										
; RIG	E										
TEST; RIG SUPERVI	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:										
5. T											
	THE UNDE	RSIGNED H	IEREBY CERTII	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIE	F, THE FOREGOING IS	A TRUE AND					
JRE	CORRECT	RECORD O	F THE ABOVE I LDER WITHIN 2	DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RE 20 DAYS AFTER COMPLETION OF WELL DRILLING:	CORD WITH THE STA	TE ENGINEER					
MT		0									
SIGNATURE	m	t- 1	F~1	MARTINSTRAUB	9-28-15						
6, 5	11.20	SIGNAT	URE OF DRILLE		$\frac{7 \times 8 \times 10^{-1}}{\text{DATE}}$						
						rsion 06/08/2012)					
	R OSE INTER	NAL USE	2002	POD NUMBER TRN NUMBE	L RECORD & LOG (Ve)	2					
	CATION	<u>- 72</u> <	$\frac{2000}{2}$	12 4.4.4	JOD HOV	PAGE 2 OF 2					
1		<u>aco</u>	$\cdot \underline{\rightarrow} \cdot \underline{\overline{}}$								
E N S O L U M

											SOLUM			
					TABLE 3									
				GROUNDWA			S							
					Irlsbad Compre									
					prise Field Ser									
					y County, New n Project No. 0									
				Ensolui		561220001								
		Total					Total	ТРН	ТРН	ТРН	Total TPH			
Sample Designation	Date	Dissolved	Chlorides	Benzene	Toluene	Ethylbenzene		GRO	DRO	MRO	GRO/DRO/MRO			
Sample Designation	Date	Solids	(mg/L)	(mg/L)	(mg/L)	(mg/L)	Xylenes							
		(mg/L)					(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)			
New Mexico Wate	er Quality Control		050.0	0.005		0.7	0.00							
Commission Groundw	ater Quality Standards	NE	250.0	0.005	1	0.7	0.62	NE	NE	NE	NE			
	1/20/2015	NA	2,900	0.094	< 0.002	< 0.002	0.370	2.30	1.20	NA	NA			
	10/27/2015	NA	2,390	0.339	<0.002	0.074	0.369	4.95	<1.40	NA	4.95			
	2/4/2016	NA	1,740	0.966	<0.010	0.198	0.874	7.46	1.43	NA	8.89			
	5/3/2016	NA	NA	1.570	0.0187	0.343	1.760	6.99	<1.50	NA	6.99			
	8/9/2016	NA	NA	0.387	<0.00184	0.0877	0.439	7.96	1.42 J	NA	9.38			
	11/14/2016						to Presence of PSH							
	2/23/2017						to Presence of PSH							
	5/11/2017						to Presence of PSH							
							to Presence of PSH							
	8/22/2017		N1.0	0.770	0.0000			0.70	0.00	-0.011	40.4			
	11/17/2017	NA	NA	0.772	0.0206	0.119	0.509	9.79	9.32	<0.911	19.1			
MW-1	5/31/2018					•	to Presence of PSH							
	9/17/2019						to Presence of PSH							
	5/19/2020						to Presence of PSH							
	11/10/2020						to Presence of PSH							
	5/20/2021						to Presence of PSH							
	8/17/2021						to Presence of PSH							
	11/23/2021						to Presence of PSH							
	3/1/2022					Not Sampled Due t	to Presence of PSH							
	5/24/2022					Not Sampled Due t	to Presence of PSH							
	8/22/2022					Not Sampled Due t	to Presence of PSH							
	11/8/2022					Not Sampled Due t	to Presence of PSH							
	12/15/2022					Pa	&A							
	1/20/2015	P&A Not Sampled Due to Presence of PSH												
	10/27/2015													
	2/4/2016						to Presence of PSH							
	5/2/2016						to Presence of PSH							
	8/9/2016						to Presence of PSH							
	11/14/2016						to Presence of PSH							
	2/23/2017						to Presence of PSH							
	5/11/2017	Not Sampled Due to Presence of PSH Not Sampled Due to Presence of PSH												
	8/22/2017													
	11/16/2017						to Presence of PSH							
	5/31/2018						to Presence of PSH							
MW-2	9/17/2019						to Presence of PSH							
	5/19/2020						to Presence of PSH							
	11/10/2020						to Presence of PSH							
	5/20/2021						to Presence of PSH							
	8/17/2021						to Presence of PSH							
	11/23/2021						to Presence of PSH							
	3/1/2022						to Presence of PSH							
	5/24/2022						to Presence of PSH							
	8/22/2022						to Presence of PSH							
	11/8/2022						to Presence of PSH							
	2/15/2023						to Presence of PSH							
	8/17/2023					Not Sampled Due t	to Presence of PSH							
	12/6/2023					Not Sampled Due t	to Presence of PSH							
	1/20/2015		1,800	<0.001	<0.001	<0.001	<0.0015	<0.05	<1.00	NA	NA			
	10/27/2015]	3,470	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41			
	2/4/2016	1	2,350	0.00476	<0.002	0.00385	0.0149	<1.41	<1.41	NA	<1.41			
	5/2/2016	1		<0.002	<0.0015	< 0.002	< 0.002	<1.50	<1.50	NA	<1.50			
	8/8/2016	1		<0.000408	<0.000637	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50			
	11/14/2016	1		<0.000408	< 0.000367	< 0.000657	<0.000630	<0.986	<0.911	NA	<1.50			
	2/24/2017	1		< 0.000408	< 0.000367	< 0.000657	<0.000630	<0.986	<0.986	<0.911	<0.911			
	5/11/2017	1		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.900	NA	<0.911			
	8/22/2017	1		<0.000408	0.00151 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911			
	11/16/2017	1		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911			
	5/31/2018	1		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911			
	9/16/2019	1		<0.000408	<0.000367	<0.000657	<0.000630	<0.980	1.16 J	<0.808	1.16			
MW-3	5/19/2020	NA		<0.000408	<0.000367	<0.000657	<0.000630	<0.874	<0.831	<0.808	<0.831			
	11/10/2020	1	NA		<0.000367 0.00102 J	<0.000657	<0.0006300	<0.900	<0.831	<0.831	<0.831			
		4	11/4	<0.000408										
	E/00/0004	I		<0.000214	<0.000500	<0.000515	<0.000330	<0.926	< 0.926	<0.894	<0.926			
	5/20/2021	1		<0.000408	<0.000367	<0.000657	0.000880 J	<0.938	< 0.938	<0.905	<0.938			
	8/17/2021				0.000.000			<0 077	-() 977	-0.040	· · · · · · · · · · · · · · · · · · ·			
	8/17/2021 11/23/2021			<0.000408	0.000418 J	< 0.000657	< 0.000642	<0.877	< 0.877	<0.846	<0.877			
	8/17/2021 11/23/2021 3/1/2022			<0.000408 <0.000408	<0.000367	<0.000657	<0.000642	<0.0877	<0.887	<0.856	<0.887			
	8/17/2021 11/23/2021 3/1/2022 5/24/2022			<0.000408 <0.000408 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.0877 <0.893	<0.887 <0.893	<0.856 <0.862	<0.887 <0.893			
	8/17/2021 11/23/2021 3/1/2022 5/24/2022 8/22/2022			<0.000408 <0.000408 <0.000408 <0.000408	<0.000367 <0.000367 <0.000367	<0.000657 <0.000657 <0.000657	<0.000642 <0.000642 <0.000642	<0.0877 <0.893 <0.904	<0.887 <0.893 <0.904	<0.856 <0.862 <0.872	<0.887 <0.893 <0.904			
	8/17/2021 11/23/2021 3/1/2022 5/24/2022 8/22/2022 11/8/2022			<0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<0.000367 <0.000367 <0.000367 <0.000367	<0.000657 <0.000657 <0.000657 <0.000657	<0.000642 <0.000642 <0.000642 <0.000642	<0.0877 <0.893 <0.904 <0.904	<0.887 <0.893 <0.904 <0.904	<0.856 <0.862 <0.872 <0.872	<0.887 <0.893 <0.904 <0.904			
	8/17/2021 11/23/2021 3/1/2022 5/24/2022 8/22/2022			<0.000408 <0.000408 <0.000408 <0.000408	<0.000367 <0.000367 <0.000367	<0.000657 <0.000657 <0.000657	<0.000642 <0.000642 <0.000642	<0.0877 <0.893 <0.904	<0.887 <0.893 <0.904	<0.856 <0.862 <0.872	<0.887 <0.893 <0.904			
	8/17/2021 11/23/2021 3/1/2022 5/24/2022 8/22/2022 11/8/2022			<0.000408 <0.000408 <0.000408 <0.000408 <0.000408	<0.000367 <0.000367 <0.000367 <0.000367	<0.000657 <0.000657 <0.000657 <0.000657	<0.000642 <0.000642 <0.000642 <0.000642	<0.0877 <0.893 <0.904 <0.904	<0.887 <0.893 <0.904 <0.904	<0.856 <0.862 <0.872 <0.872	<0.887 <0.893 <0.904 <0.904			



E N S O L U M

· · · · · · · · · · · · · · · · · · ·												
					TABLE 3							
				GROUNDWA		ICAL RESULTS	5					
					Irlsbad Compre							
					prise Field Serv							
					y County, New							
					m Project No. 0							
		Total					Total	ТРН	ТРН	ТРН	Total TPH	
Sample Designation	Date	Dissolved	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	GRO	DRO	MRO	GRO/DRO/MRO	
eampie 2 co.g. anon	2	Solids	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
		(mg/L)					,					
New Mexico Wate	-	NE	250.0	0.005	1	0.7	0.62	NE	NE	NE	NE	
Commission Groundw	ater Quality Standards											
	1/20/2015	6,940	2,500	<0.001	<0.001	<0.001	<0.0015	<0.05	<1.00	NA	NA	
	10/27/2015]	2,040	<0.001	<0.002	<0.001	<0.0010	<1.40	<1.40	NA	<1.40	
	2/4/2016		2,230	0.00706	<0.002	0.00485	0.0217	<1.41	<1.41	NA	<1.41	
	5/2/2016]		<0.002	<0.0015	<0.002	<0.0020	<1.50	<1.50	NA	<1.50	
	8/8/2016]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	11/14/2016]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	2/24/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.986	<0.911	<0.911	
	5/11/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<0.911	
	8/22/2017			<0.000408	0.00172 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	11/17/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	5/31/2018]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
MW-4	9/16/2019]		<0.000408	<0.000367	<0.000657	<0.000630	<0.881	1.16 J	<0.814	1.16	
IVI V V -4	5/19/2020	NA		<0.000408	<0.000367	<0.000657	<0.000630	<0.924	<0.854	<0.854	<0.854	
	11/10/2020]	NA	<0.000408	0.000640 J	<0.000657	<0.0006300	<0.892	<0.824	<0.824	<0.824	
	5/20/2021	1		<0.000214	<0.000500	<0.000515	<0.000330	<0.932	<0.932	<0.900	<0.932	
	8/17/2021	1		<0.000408	0.00142 J	<0.000657	<0.000642	<0.944	<0.944	<0.911	<0.944	
	11/23/2021	1		<0.000408	< 0.000367	<0.000657	<0.000642	5.19	2.54 J	<0.856	7.73	
	3/1/2022	1		<0.000408	< 0.000367	<0.000657	< 0.000642	1.10 J	<0.893	<0.862	1.10 J	
	5/24/2022	1		<0.000408	< 0.000367	<0.000657	<0.000642	<0.893	<0.893	<0.862	<0.893	
	8/22/2022	1		<0.000408	< 0.000367	< 0.000657	< 0.000642	< 0.906	< 0.906	<0.875	<0.906	
	11/8/2022	1		<0.000408	< 0.000367	<0.000657	< 0.000642	< 0.904	< 0.904	<0.872	< 0.904	
	2/15/2023	4		<0.00200	<0.00200	<0.00200	<0.00400	<4.70	<4.70	<4.70	<4.70	
	8/17/2023	4		<0.000408	< 0.000367	<0.000657	< 0.000642	<1.03	<1.03	<0.993	<1.03	
	12/6/2023	1		<0.000408	<0.000367	<0.000657	<0.000642	<0.947	<0.947	<0.995	<0.947	
	1/20/2015	4 020	1,100	<0.000408	<0.001	<0.000	<0.00042	<0.05	<1.00	<0.914 NA	NA	
		4,930										
	10/27/2015	-,	2,190	< 0.001	< 0.002	< 0.001	<0.0010	<1.40	<1.40	NA	<1.40	
	2/4/2016	4	2,230	<0.001	< 0.002	< 0.001	<0.0010	<1.41	<1.41	NA	<1.41	
	5/2/2016	4		< 0.002	< 0.0015	< 0.002	< 0.0020	<1.50	<1.50	NA	<1.50	
	8/8/2016	4		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	11/14/2016	4		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	2/23/2017	4		<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.987	<0.911	<0.911	
	5/11/2017	4		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<0.911	
	8/22/2017			<0.000408	0.00184 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	11/16/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	5/31/2018			<0.000408	0.00086	<0.000657	<0.000630	<0.987	<0.911	<0.911	<0.911	
MW-5	9/17/2019				<0.000408	<0.000367	<0.000657	<0.000630	<0.874	0.829 J	<0.807	0.829
	5/19/2020	NA		<0.000408	0.000470 J	<0.000657	<0.000630	<0.911	<0.842	<0.842	<0.842	
	11/11/2020		NA	<0.000408	<0.000367	<0.000657	<0.0006300	<0.884	<0.817	<0.817	<0.817	
	5/20/2021			<0.000214	<0.000500	<0.000515	<0.000330	<0.918	<0.918	<0.886	<0.918	
	8/17/2021			<0.000408	0.000530 J	<0.000657	<0.000642	<0.926	<0.926	<0.894	<0.926	
	11/23/2021			<0.000408	<0.000367	<0.000629	<0.000642	<0.887	<0.887	<0.856	<0.887	
	3/1/2022]		<0.000408	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887	
	5/25/2022]		<0.000408	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887	
	8/23/2022]		<0.000408	<0.000367	<0.000657	<0.000642	<0.909	<0.909	<0.877	<0.909	
	11/8/2022]		0.00573	0.00281	<0.000657	<0.000642	<0.901	<0.901	<0.869	<0.901	
	2/15/2023]		<0.00200	<0.00200	<0.00200	<0.00400	<5.02	<5.02	<5.02	<5.02	
	8/15/2023]		<0.000408	<0.000367	<0.000657	<0.000642	<0.959	<0.959	<0.926	<0.959	
	12/6/2023	1		<0.000408	<0.000367	<0.000657	<0.000642	<0.988	<0.988	<0.954	<0.988	
	10/27/2015		335	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41	
	2/4/2016	1	339	< 0.001	< 0.002	< 0.001	<0.0010	<1.41	<1.41	NA	<1.41	
	5/2/2016	1		< 0.002	< 0.0015	< 0.002	<0.0020	<1.50	<1.50	NA	<1.50	
	8/8/2016	1		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	11/14/2016	1		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	2/23/2017	1		<0.000408	< 0.000367	<0.000657	< 0.000630	<0.986	<0.986	<0.911	<0.911	
	5/11/2017	1		<0.000408	< 0.000367	<0.000657	< 0.000630	<0.986	<0.911	NA	<0.911	
	8/22/2017	1		<0.000408	0.00167 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	11/16/2017	1		<0.000408	< 0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	5/31/2018	1		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	9/17/2019	1		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	1.10 J	<0.911	1.10	
MW-6	5/19/2020	NA		<0.000408	<0.000367	<0.000657	<0.000630	<0.865	<0.842	<0.799	<0.842	
	11/11/2020		NA							<0.842	<0.842	
		4		<0.000408	<0.000367	<0.000657	<0.0006300	< 0.888	<0.820			
	5/20/2021	4		<0.000214	<0.000500	<0.000515	<0.000330	<0.941	<0.941	< 0.908	<0.941	
	8/17/2021	4		<0.000408	0.000396 J	<0.000657	< 0.000642	<0.923	<0.923	< 0.891	<0.923	
	11/23/2021	4		<0.000408	< 0.000367	<0.000657	< 0.000642	<0.898	<0.898	< 0.867	<0.898	
	3/1/2022	4		<0.000408	< 0.000367	<0.000657	< 0.000642	<0.887	<0.887	< 0.856	<0.887	
	5/24/2022	4		<0.000408	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887	
	8/23/2022	1		<0.000408	<0.000367	<0.000657	<0.000642	<0.898	<0.898	<0.867	<0.898	
	11/8/2022]		0.000648 J	0.000649 J	<0.000657	<0.000642	<0.901	<0.901	<0.869	<0.901	
		-			10,00000	<0.00200	<0.00400		<5.07	-5.07	-5.07	
	2/15/2023			<0.00200	<0.00200	<0.00200	<0.00400	<5.07	<5.07	<5.07	<5.07	
	2/15/2023 8/17/2023			<0.00200 <0.000408	<0.00200 <0.000367	<0.00200	<0.00400	<5.07	<0.988	<5.07 <0.954	<0.988	



E N S O L U M

											30L0M											
					TABLE 3																	
				GROUNDWA		ICAL RESULTS	3															
					rlsbad Compre																	
					prise Field Serv																	
					y County, New																	
					n Project No. 0																	
		Total					Total	ТРН	ТРН	ТРН	Total TPH											
Sample Designation	Date	Dissolved	Chlorides	Benzene	Toluene	Ethylbenzene	Xylenes	GRO	DRO	MRO	GRO/DRO/MRO											
		Solids	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)											
		(mg/L)																				
Now Movico Wat	ter Quality Control																					
	vater Quality Standards	NE	250.0	0.005	1	0.7	0.62	NE	NE	NE	NE											
Commission Croundw	vater Quanty Otanuarus																					
	10/27/2015		1,470	< 0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41											
	2/4/2016	-	1,470	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA NA	<1.41											
	5/2/2016	-	1,400	<0.001	<0.002	<0.002	<0.0010	<1.50	<1.40	NA	<1.50											
	8/8/2016	-		<0.002	<0.000367	<0.002	<0.0020	<0.987	<0.911	NA	<1.50											
	11/14/2016	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.911	NA	<1.50											
	2/24/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.986	<0.911	<0.911											
	5/11/2017	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.980	NA	<0.911											
	8/22/2017	-		<0.000408	0.00342	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
		-																				
	11/16/2017	-		<0.000408	<0.000367 0.000570	<0.000657	<0.000630	<0.987	<0.911	<0.911	<0.911											
MW-7	5/30/2018	NA		<0.000408		<0.000657	<0.000630	< 0.986	<0.911 1.03 J	<0.911	<0.911 1.03											
IVI V V <i>- 1</i>	9/17/2019		NI A	<0.000408	<0.000367	<0.000657	<0.000630	< 0.877		<0.810												
	5/19/2020	4	NA	0.000470 J	<0.000367	<0.000657	0.000650 J	<0.925	< 0.855	<0.855	<0.855											
	11/11/2020	4		<0.000408	0.000410 J	<0.000657	<0.0006300	<0.884	<0.817	<0.817	<0.817											
	5/20/2021	4		<0.000214	<0.000500	<0.000515	<0.000330	<0.947	<0.947	<0.914	<0.947											
	8/17/2021	-		<0.000408	< 0.000367	<0.000657	< 0.000642	<0.947	<0.947	<0.914	<0.947											
	11/23/2021	4		<0.000408	< 0.000367	<0.000657	< 0.000642	<0.901	<0.901	<0.869	<0.901											
	3/1/2022	-		<0.000408	<0.000367	<0.000657	< 0.000642	<0.880	<0.880	<0.849	<0.880											
	5/24/2022	-		<0.000408	<0.000367	<0.000657	< 0.000642	<0.880	<0.880	<0.849	<0.880											
	8/22/2022	-		<0.000408	<0.000367	<0.000657	<0.000642	<0.893	<0.893	<0.862	<0.893											
	11/8/2022	-		<0.000408	<0.000367	<0.000657	<0.000642	<0.901	<0.901	<0.869	<0.901											
	12/15/2022						P8															
	10/27/2015	-	2,240	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41											
-	2/4/2016	4	690	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41											
	5/2/2016	-		<0.002	<0.0015	<0.002	<0.0020	<1.50	<1.50	NA	<1.50											
	8/8/2016	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.911	NA	<1.50											
	11/14/2016	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.911	NA	<1.50											
	2/24/2017	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.986	<0.911	<0.911											
	5/11/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.911	NA	<0.911											
	8/22/2017	-		<0.000408	0.00156 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
	11/16/2017	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
	5/31/2018														<0.000408	0.000840	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911
	9/17/2019			<0.000408	<0.000367	<0.000657	<0.000630	<0.877	<0.810	<0.810	<0.810											
MW-8	5/19/2020	NA		<0.000408	<0.000367	<0.000657	<0.000630	<0.909	<0.840	<0.840	<0.840											
	11/10/2020		NA	<0.000408	0.000410 J	<0.000657	<0.0006300	<0.902	<0.833	<0.833	<0.833											
	5/20/2021			<0.000214	<0.000500	<0.000515	<0.000330	<0.929	<0.929	<0.897	<0.929											
	8/17/2021			<0.000408	0.000570 J	<0.000657	<0.000642	<0.920	<0.920	<0.888	<0.920											
	11/23/2021			<0.000408	<0.000367	<0.000657	<0.000642	<0.898	<0.898	<0.867	<0.898											
	3/1/2022			<0.000408	<0.000367	<0.000657	<0.000642	<0.904	<0.904	<0.872	<0.904											
	5/24/2022			<0.000408	<0.000367	<0.000657	<0.000642	<0.906	<0.906	<0.875	< 0.906											
	8/22/2022			<0.000408	<0.000367	<0.000657	<0.000642	<0.885	<0.885	<0.854	<0.885											
	11/8/2022			<0.000408	<0.000367	<0.000657	<0.000642	<0.901	<0.901	<0.869	<0.901											
	2/15/2023			<0.00200	<0.00200	<0.00200	<0.00400	<4.60	<4.60	<4.60	<4.60											
	8/17/2023			<0.000408	<0.000367	<0.000657	<0.000642	<0.995	<0.995	<0.960	<0.995											
	12/6/2023			<0.000408	<0.000367	<0.000657	<0.000642	<0.953	<0.953	<0.920	<0.953											
	10/27/2015		1,600	<0.001	<0.002	<0.001	<0.0010	<1.40	<1.40	NA	<1.40											
	2/4/2016		1,320	<0.001	<0.001	<0.0010	<0.0010	<1.41	<1.41	NA	<1.41											
	5/2/2016]		<0.002	<0.0015	<0.002	<0.0020	<1.50	<1.50	NA	<1.50											
	8/8/2016]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50											
	11/14/2016]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50											
	2/24/2017			<0.000408	<0.000367	<0.000657	<0.000630	<0.987	<0.986	<0.911	<0.911											
	5/11/2017]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<0.911											
	8/22/2017]		<0.000408	0.00134 J	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
	11/17/2017]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
	5/30/2018			<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911											
	9/16/2019			<0.000408	<0.000367	<0.000657	<0.000630	<0.886	1.26 J	<0.819	1.26											
MW-9	5/19/2020	NA		<0.000408	<0.000367	<0.000657	<0.000630	<0.922	<0.852	<0.852	<0.852											
	11/11/2020]	NA	<0.000408	<0.000367	<0.000657	<0.0006300	<0.916	<0.846	<0.846	<0.846											
	5/20/2021	1		<0.000214	<0.000500	<0.000515	<0.000330	<0.935	<0.935	<0.902	<0.935											
	8/17/2021	1		0.0845	< 0.000367	0.000880 J	0.00164 J	<0.932	<0.932	< 0.900	<0.932											
i		1		0.0742	< 0.000367	< 0.000657	<0.000642	<0.904	< 0.904	<0.872	<0.904											
	11/23/2021		-		0.0638	< 0.000367	<0.000657	<0.000642	<0.885	<0.885	<0.854	<0.885										
	11/23/2021 3/1/2022																					
	3/1/2022			0.00405	<0.000367	<0.000657	< 0.000642	<0.906	<0.906	<0.875	<0.906											
	3/1/2022 5/25/2022				<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.906 <0.887	<0.906 <0.887	<0.875 <0.856	<0.906 <0.887											
	3/1/2022 5/25/2022 8/23/2022			0.00405	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887											
	3/1/2022 5/25/2022 8/23/2022 11/8/2022			0.00405 0.0723 0.0417	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.887 <0.898	<0.887 <0.898	<0.856 <0.867	<0.887 <0.898											
	3/1/2022 5/25/2022 8/23/2022			0.00405 0.0723	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887											



E N S O L U M

											SOLUI	
				South Ca Enterı Edd	rlsbad Compre prise Field Serv ly County, New	ICAL RESULTS essor Station vices LLC Mexico	5					
				Ensolur	m Project No. 0	3B1226001						
		Total Dissolved	Chlorides	Benzene	Toluene	Ethylbenzene	Total	ТРН	ТРН	ТРН	Total TPH	
Sample Designation	Date	Solids	(mg/L)	(mg/L)	(mg/L)	(mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	MRO (mg/L)	GRO/DRO/MF (mg/L)	
		(mg/L)					(iiig/L)	(IIIg/L)	(iiig/L)	(ing/L)	(iiig/L)	
	er Quality Control rater Quality Standards	NE	250.0	0.005	1	0.7	0.62	NE	NE	NE	NE	
	10/28/2015		474	<0.001	<0.002	<0.001	<0.0010	<1.41	<1.41	NA	<1.41	
	2/4/2016 5/3/2016	-	762	<0.001 <0.002	<0.002 <0.0015	<0.001 <0.002	<0.0010 <0.0020	<1.41 <1.50	<1.41 <1.50	NA NA	<1.41 <1.50	
	8/9/2016	-		<0.002	<0.000367	<0.002	<0.0020	<0.986	<0.911	NA	<1.50	
	11/15/2016]		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.911	NA	<1.50	
	2/24/2017	-		<0.000408	<0.000367	<0.000657	<0.000630	<0.986	<0.986	<0.911	<0.911	
	5/11/2017 8/22/2017	-		<0.000408 <0.000408	<0.000367 0.00135 J	<0.000657 <0.000657	<0.000630 <0.000630	<0.986 <0.986	<0.911 <0.911	NA <0.911	<0.911 <0.911	
	11/17/2017			0.00077	<0.000367	<0.000657	<0.000630	<0.986	<0.911	<0.911	<0.911	
	5/31/2018			<0.000408	< 0.000367	< 0.000657	< 0.000630	<0.986	< 0.911	< 0.911	< 0.911	
MW-10	9/17/2019 5/19/2020	NA	NA	<0.000408 0.000500 J	<0.000367 <0.000367	<0.000657 <0.000657	<0.000630 <0.000630	<0.866 <0.915	1.17 J <0.845	<0.800 <0.845	1.17	
	11/11/2020			0.00132 J	< 0.000367	< 0.000657	<0.0006300	0.960 J	<0.825	<0.825	0.960	
	5/20/2021]		0.000665 J	<0.000500	<0.000515	<0.000330	<0.926	1.63 J	<0.894	1.63 J	
	8/18/2021 11/23/2021	-		0.00115 J	0.000399 J	<0.000657	<0.000642 Not Sampled Due t	<0.941	<0.941	<0.908	<0.941	
	3/1/2022	-					Not Sampled Due t					
	5/25/2022			0.000911 J	<0.000367	<0.000657	<0.000642	<0.898	<0.898	<0.867	<0.898	
	8/22/2022						Not Sampled Due t					
	11/8/2022 12/15/2022	-				٢	Not Sampled Due t	o Presence of PS	H			
	12/9/2019			0.637	0.393	0.0959	0.520	5.88	5.18	<2.30	11.1	
	5/19/2020]		0.748	0.0745 J	0.142	0.139	5.37	6.28	<0.847	11.7	
	11/11/2020	-		1.26	0.00207	0.258	0.09568	3.81	2.10 J	<0.837	5.91	
	5/20/2021 8/18/2021	-		0.789	0.00472 J 0.0466	0.219 0.198	0.0770 0.123	3.43 J 4.99	6.92 6.53	<0.902 <0.900	10.4 11.5	
	11/23/2021]		0.866	0.00553 J	0.314	0.203	3.54 J	7.05	< 0.867	10.6	
MW-11S	3/1/2022	NA	NA	0.807	<0.00367	0.219	0.187	2.67 J	5.28	<0.859	7.95	
	5/25/2022 8/23/2022			0.790	0.157 J <0.00367	0.319 0.253	0.625 0.455	2.92 J 6.66	4.47 J 5.28	<0.856 <0.867	7.39	
	11/8/2022	-		1.07	0.00378 J	0.235	0.534	12.5	8.97	<0.869	21.5	
	2/15/2023]		0.848	0.00838 J	0.275	0.713	15.1	11.8	<5.12	26.9	
F	8/18/2023			0.974	0.0309	<0.000657	1.2	8.66	11.7	<1.03	20.36	
	12/6/2023 12/9/2019			0.847	<0.00367 <0.00200	0.180	0.230	4.29 J <2.29	6.96	<0.950 <2.29	11.3	
	5/19/2020	-		0.00197 J	0.000660 J	<0.00200	0.00113 J	<0.902	<0.833	<0.833	<0.833	
-	11/11/2020]		0.0544	0.000760 J	<0.000657	0.001410 J	<0.895	<0.827	<0.827	<0.827	
	5/20/2021	-		0.0352	<0.000500	<0.000515	< 0.000330	< 0.929	<0.929	< 0.897	< 0.929	
	8/18/2021 11/23/2021	-		0.000720 J 0.00983	0.000776 J <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.947 0.886 J	<0.947 <0.885	<0.914 <0.854	<0.947 0.886 J	
MW-11D	3/1/2022	NA	NA	NA	0.0123	<0.000367	<0.000657	< 0.000642	<0.882	<0.882	<0.851	<0.882
	5/25/2022			0.00188 J	<0.000367	<0.000657	<0.000642	<0.909	<0.909	<0.877	<0.909	
	8/23/2022 11/8/2022			0.000427 J 0.0076	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.893 <0.898	<0.893 <0.898	<0.862 <0.867	<0.893 <0.898	
	2/15/2023	-		0.0122	<0.00200	<0.00200	<0.00400	<5.02	<5.02	<5.02	<5.02	
	8/18/2023]		0.000523 J	<0.000367	<0.000657	<0.000642	<0.991	<0.991	<0.957	<0.991	
	12/6/2023			< 0.000408	<0.000367	<0.000657	< 0.000642	<0.985	<0.985	<0.950	< 0.985	
	6/29/2021 8/18/2021	-		0.527 0.848	0.115 0.118	0.125 0.176	0.625 0.787	4.00 J 6.14	2.12 J 2.48 J	<0.849 <0.888	6.12 8.62	
	11/23/2021			1.34	0.0254	0.392	1.01	5.05	4.94	<0.851	9.99	
	3/1/2022]		0.800	<0.000367	0.019	0.00875	1.91 J	5.58	<0.849	7.49	
MW-12S	5/25/2022 8/23/2022	NA	NA	1.34 1.09	0.264 <0.000367	0.470 0.273	0.242	2.74 J 5.56	2.32 J 4.42 J	<0.875 <0.859	5.06 9.98	
	11/8/2022	-		1.09	<0.000367 0.00574 J	0.342	0.0561	5.86	4.42 J 5.44	<0.859	9.98	
	2/15/2023]		1.47	<0.00200	0.410	0.0708	4.74 J	5.34	<4.81	10.1	
	8/18/2023			< 0.000408	0.00228	<0.000657	0.0786	3.95 J	6.51	<1.00	10.5	
	12/6/2023 6/29/2021			1.57 0.252	<0.000367 0.00267	0.225	0.0339	2.15 J <0.906	4.87 1.11 J	<0.929 <0.875	7.02	
	8/18/2021	1		0.232	0.00207 0.00147 J	0.000711 J	0.00915	<0.900	<0.920	<0.888	< 0.920	
	11/23/2021			0.182	0.000658 J	<0.000657	0.000943 J	<0.882	<0.882	< 0.851	< 0.882	
	3/1/2022 5/25/2022	-		0.178	<0.000367 0.000890 J	<0.000657 <0.000657	<0.000642 0.00216 J	<0.882 <0.890	<0.882 <0.890	<0.851 <0.859	<0.882 <0.890	
MW-12D	8/23/2022	NA	NA	0.00694	<0.000367	<0.000657	<0.00216 J	<0.890	<0.890	<0.859	<0.890	
	11/8/2022]		0.00216	<0.000367	<0.000657	<0.000642	<0.901	<0.901	<0.869	<0.901	
	2/15/2023	4		0.0038	<0.00200	<0.00200	<0.00400	<5.21	<5.21	<5.21	<5.21	
	8/18/2023 12/6/2023	1		<0.000408 <0.000408	<0.000367 0.000718 J	<0.000657 <0.000657	<0.000642 <0.000642	<0.969 <0.988	<0.969 <0.988	<0.935 <0.954	<0.969 <0.988	
	6/29/2021		1	10.000100		Not Sampled Due 1			0.000	10.001	0.000	
	8/18/2021					Not Sampled Due						
	11/23/2021					Not Sampled Due to Not Sampled Due to						
	3/1/2022 5/24/2022					Not Sampled Due 1						
MW-13S	8/22/2022					Not Sampled Due 1	to Presence of PSI	Η				
	11/8/2022					Not Sampled Due t						
	2/15/2023 8/17/2023					Not Sampled Due to Not Sampled Due to						
	12/6/2023					Not Sampled Due 1						
	6/29/2021			0.00446	0.00142 J	0.00123 J	0.00660	<0.869	<0.869	<0.839	<0.869	
	8/18/2021	4		0.00189 J	<0.000367	<0.000657	<0.000642	<0.956	<0.956	<0.923	<0.956	
	11/23/2021 3/1/2022	4		<0.000408 <0.000408	<0.000367 <0.000367	<0.000657 <0.000657	<0.000642 <0.000642	<0.898 <0.890	<0.898 <0.890	<0.867 <0.859	<0.898 <0.890	
	5/25/2022		K1 A	<0.000408 0.00226	<0.000367 0.000493 J	<0.000657	<0.000642	<0.890	<0.890	<0.859	<0.890	
MW-13D		NA	NA	<0.000408	<0.000367	<0.000657	<0.000642	<0.887	<0.887	<0.856	<0.887	
MW-13D	8/23/2022				<0.000267	<0.000657	< 0.000642	<0.895	<0.895	<0.864	<0.895	
MW-13D	11/8/2022			<0.000408	< 0.000367			** *				
MW-13D				<0.000408 0.000672 J <0.000408	<0.000367 <0.00200 <0.000367	<0.00200 <0.000657	<0.00400 <0.000642	22.2 <0.969	38.3 <0.969	<4.98 <0.935	60.5 <0.969	

Concentrations in **bold** and shaded yellow exceed the applicable New Mexico Water Quality Control Comission Groundwater Quality Standards

Chlorides removed as a COC starting in May 2016

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

mg/L - milligrams per liter

NA - Not Analyzed

NE - Not Established





Released to Imaging: 4/17/2024 9:15:14 AM





Ensolum Project No: 03B1226001



APPENDIX C

Photographic Documentation

Received by OCD: 3/14/2024 8:59:27 AM

Project: South Carlsbad CS Tank Leak Entity: Enterprise Field Services, LLC Project #: 03B1226315

ENSOLUM 43 of 182

View of initial excavation activities, facing north (11/10/2023).



View of initial excavation activities, facing south (11/10/2023).

Received by OCD: 3/14/2024 8:59:27 AM-

Project: South Carlsbad CS Tank Leak Entity: Enterprise Field Services, LLC



ENSOLUM^{Page} 44 of 182

View of continued excavation activities, facing northwest (12/14/2023).



View of continued excavation activities, facing southeast (12/14/2023).

Received by OCD: 3/14/2024 8:59:27 AM

Project: South Carlsbad CS Tank Leak Entity: Enterprise Field Services, LLC Project #: 03B1226315

West Elevation

ENSOLUM^{Page} 45 of 182



View of backfilled excavation, facing east (01/10/2024).



View of backfilled excavation, facing southwest (01/10/2024).



APPENDIX D

Table

												A. 9.6
						TABLE 1						
				EVOAVAT								
				EXCAVAI	ION SOIL S							
					South Carls			ו				
						se Field Serv County, New I						
						Project No. 03						
							1				Total TDU	
Sample	Date	Depth	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	TPH GRO	TPH DRO	TPH MRO	Total TPH (GRO+DRO+MRO)	Chloride
Designation	Date	(feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
						(((
	Soils Impacted	Division Closure	10	NE	NE	NE	50	NE	NE	NE	100	600
Cinterna Ior	(≤ 50 feet)	by a Release	10	NE.	NE	NE	50	INC	INC	NE	100	800
	(site Europustian	Flags Call Car		L De sulte				
E004	44/00/2022	10	<0.050		site Excavation				-10.0	-10.0	-10.0	540
FS01	11/09/2023 11/09/2023	10 10	<0.050 <0.050	< 0.050	<0.050 <0,050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 12.9	<10.0 12.1	<10.0 25.0	512 768
FS02	12/08/2023	11	<0.050	<0.050 <0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	25,0 <10.0	512
FS03	12/08/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	< 10.0 25.6	<10.0 12.8	< 10.0 38.4	256
FS03	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	25.6 45.7	<10.0	38.4 45.7	128
F304	11/09/2023	10	<0.050 0.615	<0.050 5.30	<0.050 12.0	<0.150 52.4	<0.300 70.3	< 10.0	45.7 985	< 10.0 136	45.7 2.911	128 320
FS05	12/08/2023	11	< 0.050	5.30 <0.050	< 0.050	52.4 <0.150	< 0.300	1,790 <10.0	985 <10.0	<10.0	2,911 <10.0	320 64.0
FS06	11/09/2023	10	0.030	<0.030 0.077	0.050	0.150 0.596	0.300	<10.0	22.3	<10.0	22.3	576
FS07	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	23.6	<10.0	23.6	304
1007	11/09/2023	10	<0.050	<0.050	<0.050	<0.150	< 0.300	12.1	118	<10.0	130	256
FS08	12/08/2023	11	0.186	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0
FS09	11/09/2023	10	< 0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	94.7	<10.0	94.7	368
FS10	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	35.4	<10.0	35.4	384
FS11	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	592
FS12	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	18.9	<10.0	18.9	384
FS13	11/09/2023	10	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	19.5	10.3	29.8	384
FS14	11/09/2023	10	< 0.050	< 0.050	0.076	0.299	0.375	<10.0	57.8	10.9	68.7	368
	11/09/2023	10	< 0.050	0.167	0.138	0.704	1.01	16.6	109	41.2	167	416
FS15	12/08/2023	11	0.351	0.068	< 0.050	0.175	0.594	<10.0	<10.0	<10.0	<10.0	192
FS16	11/10/2023	10	0.285	1.56	0.879	4.51	7.24	12.0	<10.0	<10.0	12.0	208
FS17	11/10/2023	10	0.193	0.660	0.353	2.05	3.25	10.3	<10.0	<10.0	10.3	368
	11/10/2023	10	14.5	39.8	11.5	65.5	131	994	140	<10.0	1,134	352
FS18	12/08/2023	11	1.72	2.52	0.775	3.58	8.60	405	40.7	<10.0	446	592
	12/14/2023	12	0.874	2.71	1.52	7.19	12.3	37.9	16.7	<10.0	54.6	384
50.40	11/10/2023	10	0.065	0.620	0.854	5.23	6.77	<10.0	<10.0	<10.0	<10.0	912
FS19	12/08/2023	11	0.861	1.30	0.502	2.40	5.06	41.5	13.3	<10.0	54.8	256
	11/09/2023	10	0.615	2.34	1.49	7.70	12.1	267	114	16.5	398	432
5000	12/08/2023	11	0.599	1.10	0.448	2.21	4.36	17.4	21.4	<10.0	38.8	752
FS20	12/14/2023	12	<0.050	0.096	0.050	0.218	0.364	<10.0	<10.0	<10.0	<10.0	768
	12/19/2023	14	0.059	0.173	0.129	0.692	1.05	14.4	30.2	<10.0	44.6	592
FS21	11/10/2023	10	0.557	1.23	0.473	2.69	4.95	23.6	<10.0	<10.0	23.6	320
FS22	11/10/2023	10	11.8	28.8	6.32	35.6	82.5	161	22.5	<10.0	184	256
F322	01/02/2024	10	0.090	0.329	0.164	0.79	1.37	20.3	23.3	19.0	62.6	288
FS23	11/10/2023	10	1.58	2.06	0.869	4.38	8.89	58.1	25.3	<10.0	83.4	256
FS24	11/10/2023	10	1.62	1.81	0.824	4.29	8.54	40.3	<10.0	<10.0	40.3	400
FS25	11/10/2023	10	0.560	0.993	0.297	1.75	3.60	30.8	13.7	<10.0	44.5	384
FS26	12/14/2023	10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
FS27	12/14/2023	10	<0.050	0.072	0.066	0.236	0.374	<10.0	11.1	<10.0	11.1	432
FS28	01/02/2024	10	<0.050	0.064	<0.050	<0.150	<0.300	<10.0	<10.0	10.2	10.2	352
FS29	01/02/2024	10	0.055	0.071	<0.050	0.154	<0.300	<10.0	<10.0	<10.0	<10.0	368
FS30	01/02/2024	10	0.157	0.411	0.168	0.782	1.52	20.7	10.8	<10.0	31.5	272

Received by OCD: 3/14/2024 8:59:27 AM

				EXCAVAT	ION SOIL S	TABLE 1		. RESULTS	;			
					South Carls	bad Compresses Field Serv		n				
						County, New Project No. 0						
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	il Conservation I Soils Impacted I (≤ 50 feet)		10	NE	NE	NE	50	NE	NE	NE	100	600
				Composi	te Excavation S	idewall Soil S	ample Analytic	cal Results				
SW01	11/09/2023	0 - 10	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
SW02	11/09/2023	0 - 10	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
SW03	11/09/2023	0 - 10	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
SW04	11/09/2023	0 - 10	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
SW05	11/09/2023	0 - 10	0.066	0.198	0.233	1.12	1.62	26.4	53.9	<10.0	80.3	224
SW06*	11/09/2023	0 - 10	0.054	0.063	0.285	0.833	1.24	19.7	289	58.5	367	496
SW07	11/09/2023	0 - 10	0.265	1.46	0.469	1.91	4.11	16.5	13.7	<10.0	30.2	192
SW08*	11/09/2023	0 - 10	4.10	22.4	3.99	19.1	49.6	89.2	41.6	<10.0	131	224
SW09*	11/10/2023	0 - 10	<0.050	<0.050	0.147	0.567	0.714	40.0	143	33.6	217	240
3009	12/19/2023	0 - 10	0.116	0.497	0.717	4.20	5.53	109	159	17.8	286	592
SW10	11/10/2023	0 - 10	<0.050	0.162	0.173	1.65	1.99	<10.0	<10.0	<10.0	<10.0	272
SW11	11/10/2023	0 - 10	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
SW12	11/10/2023	0 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
SW13	11/10/2023	0 - 10	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
SW14	11/10/2023	0 - 10	0.269	1.43	0.443	1.71	3.86	15.1	29.8	<10.0	44.9	1,280
30014	12/08/2023	0 - 10	0.428	1.03	0.336	1.74	3.53	26.2	<10.0	<10.0	26.2	176
	11/10/2023	0 - 10	0.100	0.183	0.275	0.684	1.24	11.6	252	97.9	362	1,600
SW15	12/08/2023	0 - 10	0.107	0.620	0.460	2.55	3.73	38.0	27.0	<10.0	65.0	1,040
00010	12/19/2023	0 - 10	<0.050	0.131	0.070	0.357	0.558	28.1	42.2	13.8	84.1	704
	01/02/2024	0 - 10	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
SW16	11/09/2023	0 - 10	0.058	0.244	<0.050	0.192	0.494	<10.0	<10.0	<10.0	<10.0	320
SW17	11/09/2023	0 - 10	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
SW18	11/09/2023	0 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
30010	12/08/2023	0 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
SW19	12/14/2023	0 - 10	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
SW20	12/14/2023	0 - 10	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	400
SW21	12/19/2023	0 - 10	0.099	0.541	0.494	2.82	3.95	44.3	340	202	586	1,010
00021	01/02/2024	0 - 10	< 0.050	< 0.050	<0.050	0.296	<0.300	<10.0	<10.0	<10.0	<10.0	592

Concentrations in **bold** and yellow exceed the New Mexico Oil Conservation Division Closure Criteria for Soils Impacted by a Release (< 50 feet)

Additional Excavation and/or Re-Sample

* - Cannot Excavate Further Due to Structural Integrity Issues of Surrounding Tanks and Equipment

bgs - below ground surface

mg/kg - milligrams per kilogram

NE - Not Established

BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil/Lube Oil Range Organics

TPH - Total Petroleum Hydrocarbon

Received by OCD: 3/14/2024 8:59:27 AM

E N S O L U M

			DELINEA	TION & B	ACKGROUN South Carlst Enterpris Eddy C		ssor Statior ices LLC //exico		RESULTS			
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	l Conservation I Soils Impacted b (≤ 50 feet)	Division Closure by a Release	10	NE	NE	NE	50	NE	NE	NE	100	600
	Chloride Delinea C 19.15.29.11 (A				NA					NA		8,443
					Delineation So	il Sample Ana	alytical Results	;				
Northeast	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7,100
North	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,800
Northwest	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,280
West	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.0	<10.0	28.0	4,480
Southwest	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4,560
South	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2,520
Southeast	11/10/2023	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,550
					Background Sc	oil Sample Ana	alytical Results	5				
BG01	12/14/2023*	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	656
2001	12/19/2023	0 - 0.25			NS					NS		3,920
BG02	12/14/2023*	0 - 0.25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	752
	12/19/2023	0 - 0.25			NS					NS		4,640
		-		-	erment Delineati							
	01/24/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
North	01/24/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
	01/24/2024	9	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5,600
- ·	01/24/2024	3	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	208
East	01/24/2024	6	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	832
	01/24/2024	8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	5,760
Cauth	01/24/2024	3	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	304
South	01/24/2024	6	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	368
	01/24/2024	9.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,120

Additional Excavation and/or Re-Sample

* - Samples were omitted from use due to distance from Site being greater than 100 feet, per New Mexico Administrative Code 19.15.29.11 (A)(5)(c)

bgs - below ground surface

mg/kg - milligrams per kilogram

NE - Not Established

Released to Imaging: 4/17/2024 9:15:14 AM

BTEX - Benzene, Toluene, Ethylbenzene, and Xylenes

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil/Lube Oil Range Organics

TPH - Total Petroleum Hydrocarbon

95th Upper Tolerance Limit Calculation

-		
BG-01	=	(3,920)
BG-02	=	4,640
Northeast	=	7,100
North	=	2,800
Northwest	=	1,280
West	=	4,480
Southwest	=	4,560
South	=	2,520
Southeast	=) 1,550 (
North (Deferment)	=	112
North (Deferment)	=	144
North (Deferment)	=	5,600
East (Deferment)	=	208
East (Deferment)	=	832
East (Deferment)	=	5,760
South (Deferment)	=	304
South (Deferment)	=	368
South (Deferment)	=	

2286.874698	= Standard Deviation
18	= Sample Size (i.e. 18 samples collected within a 1/4 acre area).
2.543	= One-sided tolerance factor
2627.667	= Arithmetic Mean
8443.189	= 95% UTL
UTL = x + kS	S
Where:	x = Mean
	k = One-sided tolerance factor

S = Standard Deviation



APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation



November 10, 2023

KELLY LOWERY ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 11/09/23 16:22.

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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 01 10FT (H236165-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
hloride, SM4500Cl-B mg/kg			Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	512	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					
Surrogate: 1-Chlorooctane	128 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	147 9	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 02 10FT (H236165-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	12.9	10.0	11/09/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	12.1	10.0	11/09/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 03 10FT (H236165-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	25.6	10.0	11/09/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	12.8	10.0	11/09/2023	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 04 10FT (H236165-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	45.7	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 05 10FT (H236165-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.615	0.500	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	5.30	0.500	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	12.0	0.500	11/10/2023	ND	2.16	108	2.00	0.335	GC-NC1
Total Xylenes*	52.4	1.50	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	70.3	3.00	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	182	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1790	10.0	11/09/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	985	10.0	11/09/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	136	10.0	11/09/2023	ND					
Surrogate: 1-Chlorooctane	184	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	153	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 06 10FT (H236165-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.074	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	0.077	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	0.160	0.050	11/10/2023	ND	2.16	108	2.00	0.335	GC-NC1
Total Xylenes*	0.596	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	0.907	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	22.3	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 07 10FT (H236165-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	23.6	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 08 10FT (H236165-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.1	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	118	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 09 10FT (H236165-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	94.7	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 10 10FT (H236165-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.06	103	2.00	0.844	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	1.72	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.16	108	2.00	0.335	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.53	109	6.00	0.190	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	35.4	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 11 10FT (H236165-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 12 10FT (H236165-12)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	18.9	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 13 10FT (H236165-13)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	19.5	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	10.3	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 14 10FT (H236165-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	0.076	0.050	11/10/2023	ND	2.14	107	2.00	0.955	GC-NC1
Total Xylenes*	0.299	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	0.375	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	57.8	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	10.9	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 15 10FT (H236165-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	0.167	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	0.138	0.050	11/10/2023	ND	2.14	107	2.00	0.955	GC-NC1
Total Xylenes*	0.704	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	1.01	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.6	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	109	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	41.2	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	156	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 20 10FT (H236165-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.615	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	2.34	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	1.49	0.050	11/10/2023	ND	2.14	107	2.00	0.955	GC-NC1
Total Xylenes*	7.70	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	12.1	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	155	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	267	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	114	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	16.5	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	147	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 01 0- 10FT (H236165-17)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 02 0-10FT (H236165-18)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	101	48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 03 0- 10FT (H236165-19)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 04 0- 10FT (H236165-20)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.794	
Toluene*	<0.050	0.050	11/10/2023	ND	2.17	109	2.00	0.692	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.14	107	2.00	0.955	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.65	111	6.00	0.763	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/10/2023	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	11/10/2023	ND	173	86.4	200	0.520	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	188	94.2	200	0.810	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	125 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	141 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 05 0- 10FT (H236165-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.066	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	0.198	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	0.233	0.050	11/10/2023	ND	2.11	106	2.00	5.26	GC-NC1
Total Xylenes*	1.12	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	1.62	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.4	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	53.9	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 06 0- 10FT (H236165-22)

BTEX 8021B	mg	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.054	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	0.063	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	0.285	0.050	11/10/2023	ND	2.11	106	2.00	5.26	GC-NC1
Total Xylenes*	0.833	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	1.24	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.7	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	289	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	58.5	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 07 0- 10FT (H236165-23)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.265	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	1.46	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	0.469	0.050	11/10/2023	ND	2.11	106	2.00	5.26	GC-NC1
Total Xylenes*	1.91	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	4.11	0.300	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.5	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	13.7	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 08 0- 10FT (H236165-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.10	0.200	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	22.4	0.200	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	3.99	0.200	11/10/2023	ND	2.11	106	2.00	5.26	GC-NC1
Total Xylenes*	19.1	0.600	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	49.6	1.20	11/10/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	89.2	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	41.6	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 16 0- 10FT (H236165-25)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.058	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	0.244	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.11	106	2.00	5.26	
Total Xylenes*	0.192	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	0.494	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	101 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 17 0- 10FT (H236165-26)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	<0.050	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.11	106	2.00	5.26	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	130 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	11/09/2023	Sampling Date:	11/09/2023
Reported:	11/10/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 18 0- 10FT (H236165-27)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2023	ND	2.01	101	2.00	3.53	
Toluene*	<0.050	0.050	11/10/2023	ND	2.10	105	2.00	4.41	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.11	106	2.00	5.26	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.28	105	6.00	4.76	
Total BTEX	<0.300	0.300	11/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	11/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2023	ND	192	96.0	200	0.0511	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	193	96.3	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					
Surrogate: 1-Chlorooctane	130 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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Celey D. Keene, Lab Director/Quality Manager

FORM-006 R 3.2 10/07/21		vanipier - ors - bus - Other:	Delivered By: (Circle One)		- consideration by	Relinquished By:	Mor Ating	Relinquished By:	In no event shall Cardinal be liable for incidental or consequer affiliates or successors arising out of or related to the	All claims including those for negligence and any other cause	0 13 20	6 A CI L	20	0 53	1001 6	10 12 06	72	5 1 2 P	UT TO	0 20 22 02	1 +202	Hacaleta	Lab I.D. Sample I.D.		Saoru JA	-	Denth lavis	me: ()) /	_	Phone #: 214-733-3165	City: Midland State: TV		Project Manager: Kelly Lowery	Company Name: Ensolum, LLC	101 Ea (575)
		Corrected Temp. °C	-	Time:	Date: Received By:	16:22	11-4-23 Wordined By:	Relinquished By:	In no event shall Charina be lable for incidenta) or consequental diamages, including without illimitation, business interruptions, loss of uses or loss of original herrore the uncidental section and the policible service. affiliates of successors advinue not exclusional accossequental diamages, including without illimitation, business interruptions, loss of uses or forest or forest in the including the exclusion accossequental diamages.	Furshing including those for neglegations and using accurate memory for any claim ansing whather based in contract or tort, shall be initiated to the amount paid by the client for the analyses.	70 12		12		1							(G)RAB C # CONTA GROUND WASTEW SOIL	(feet) DR (C)OM INERS		where of	1 min	bad (S Tank Loak	Froject Owner:	Email: klowery@ensolum.com	L0/6/ :di7	1				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Please email changes to a la l	A	(Initials) Rush	CHECKED RV.		REMARK	klowery@	-	.0	ardinal within 30 days after completion of the applicable service.	d to the amount paid by the client for the analyses	731	211		1 1 1 2	123	935	55	925	327	KT6 49/11 2		OIL SLUDGE DTHER : ACID/BAS CE / COO DTHER : DATE TIME		RIX PRESERV. SAMPLING	m	Phone #: 505-215-4727	State: Zip:	City:	n Address:	Attn: Thomas Long	Company: Enterprise Field Services,	P.O. #:	BILL TO		
M 11-9-73 0 10 10 10	#143	inne: Standard D Bacteria (only) Sample Condition	INO'N MITE	N Articles a	REMARKS: Paykey/AFE(NonAFE)	klowery@ensolum.com / tjlong@eprod.com	U Yes										9	5	2	XXX		ВГЕХ ТРН СЫД	ride	8	θ.	77	51				rices,		ANALYSIS REQUEST		
o Corrected Temp. °C			2 three						-																			2					IEST		

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

Laboratories

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC Project Manager: Kelly Lowery		BILL TO	ANALYSIS REQUEST
Address: 601 N. Marienfeld St. STE 400	400	Company: Enterprise Field Services.	
0	X Zip: 79701	Attn: Thomas Long	
Phone #: 214-733-3165	Email: klowery@ensolum.com	Address:	1
Project #: 038 126315	Project Owner:	City:	B 1-9
Project Name: South Carls	but is Tank Lenk	State: Zip:	5
Project Location: today (our	Ly .	Phone #: 505-215-4727	1
Sampler Name: Kapru Shi	himada	Email: tjlong@eprod.com	20
	p. MATRIX	PRESERV. SAMPLING	8
Lab I.D. Sample I.D.	DWATER WATER	SE: OL	H H lord
HARAINE	# CONT	OTHER ACID/BA ICE / CC OTHER DATE	BT <u>I</u> TF
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	2	1138	8
23		139	
0261 91	10 27 1	10041 ×	
	5		
			INAN
Il claims including those for negligence and any other cause w 1 no event shall Cardinal be liable for incidental or consequenta Violations and the state of th	All claims including those for negligance and any other causals windows mindy for any claim arising values taked in council of the distribution of the analyses. All claims including those for negligance and any other cause whateover easile be demend valued unless made in writing and necessive by Cardinal which 30 days after completion of the applicable service. In no event shall Cardinal be label for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of cools incurred to line in existence or afterior excentions.	unt paid by the client for the analyses. in 30 days after completion of the applicable service. filts incurred by client its subsidiaries	
Relinquished By:	Relinquished By: Date: Received By: Received By:	ty of the above stated reasons or otherwise. Verbal Result:	esult: □ Yes
Montal Mary	14:20	All Result klowery@	emailed. Pléase provide Emai m.com / tjlong@eprod.com
Neilliquisned by:	Date: Received By: V	REMARK	REMARKS: Paykey/AFE(NonAFE:)
alivered By: (Circle One)		241	ST823NA Simol
Sampler - UPS - Bus - Other:	Corrected Temp. °C (-) ~C Sample Condition	CHECKED BY: Turnaround Time: (Initials) Rush	Standard Bacteria (on) Cool Intact Observed Temp. *C
	#140 0 NO NO	Correction Correction	Correction Factor-05-00 Lorection Factor-05-00 I No No Corrected Temp. 'C

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Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 31 of 33

101 East Mar (575) 393-2	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		
Company Name: Ensolum, LLC		BILL TO	ANALYSIS REQUEST
Project Manager: Kelly Lowery			
Address: 601 N. Marienfeld St. STE 400		Company: Enterprise Field Services	
land State: TX	Zip: 79701	Attn: Thomas Long	
Phone #: 214-733-3165	Email: klowery@ensolum.com		5
Project #: ()787226325 Pi	Project Owner:	City:	13
Project Name: G auth Carlsboo	X CS Tark Look	State: Zip:	reader
Project Location: Eduly Coun	H	Phone #: 505-215-4727	30
Sampler Name: Karona Shimada	John	Email: tjlong@eprod.com	2
FOR DB USE UNLY		MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	VATER		EX H ide
4031d105	(G)RAB C # CONTA GROUND WASTEW SOIL		BT. TF Culo
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PLEASE NOTE: Liability and Damonos. Cardinal's liability and aliants		MAR <1	
All darks including these for polygones and any other cause whatsoever shall be deemoked where save an unitate or the same of marks that are the same of the deerfore the sampless. In one event shall Cardinal these for incidental or consequential damages, including without finatized in writing and received by Cardinal within 30 days after completion of the applicable service. In one event shall Cardinal the labels for incidental or consequential damages, including without finatized in writing and received by Cardinal writing the completion of the applicable service. amiliates or successore arising out of or incidental or consequential damages, including without finatized in units instruments into a for soft use or rises of profile incurred by client, its subsidiaries, amiliates or successore arising out of or incidental or the profile behaviore behaviore on the horizon on the horizon on one of the completion of the same behaviore on the horizon on the horizon one of the horizon of the same behaviore on the horizon of the same behaviore on the horizon of the h	ver shi bi delende vita unu a unu exerce venere in vunnaci un un ceste de trainerourit pais by the deficit the in antibiation of the ages, ver shi bi delende vitado unites antibiation in vitado de la ceste de la casta de la completion of the ages, ges, including without fimitation, business interruptions, loss of use, or loss of portis incurred by client, is subsidiaries, protes herunder by Corbania froatrikes of whether on home home home more more than whe yourget.	by Cardinal within 30 days after completion of the applicable service.	
Relinquished By:	Date 1-9-73 Received By:	i mau.	emailed
12x Analy	Time: 16:32 PH	klowery@en	klowery@ensolum.com / tjlong@eprod.com
Relinquished By:	E 1	REMARKS:	REMARKS: Paykey/AFE/NonAFE:
	Time:	24 hou	Station SAM
Sampler - UPS - Bus - Other:	Observed Temp. °C . / ジン Sample Cone Corrected Temp. °C . / ジン Cool Intact	dition CHECKED BY: Turnarouur (Initials) Rush	Standard Bacte
		No DA Con	
	Cardinal compared constructed statutes and the statutes of the	!	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 32 of 33

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Relinguished By:	-	analyses. All claims including tho service. In no event shall Cardina affiliates or succe. sons arising out	PLEASE NOTE: Liability and Dar	×		(Lab I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 05	Phone #:	City:	Address:	Project Manager:	Company Name:	10	
				Including those for negligence and any other of the shall Cardinal be liable for incidental or consec- sors arising out of or related to the performance	mages. Cardinal's liability and clie				11100	16 C 6)	Sample I.D.			Kas	Eddy (South (Siggebell	•		-	Helly L	Ensolu	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	borat
Observed Temp. °C Corrected Temp. °C	Time:	Time:	Date: -9-23	ause whatsoever shall be deemed walved unit quental damages, including without limitation, t of services hereunder by Cardinal, regardless	nt's exclusive remedy for an			0-10	0-10	0-20		D			Ċ	ann.	arlsba	Project Owner:	Fax #:	State:	C	swery	3	l, Hobbs, NM 88240 FAX (575) 393-2476	atories
1. loc Sample Condition Cool_Intact 子にい サイト		Received By:	Received By:	ieemed walved unless made in wi without limitation, business interru ardinal, regardless of whether suc	y claim arising whether based in a			1	~	(1)	# CC GRC	AB OR (C DNTAINEF DUNDWAT STEWATE	RS TER R	MATRIX	(Lea	d CS Tank			Zip:)		240 176	U1 I
Condition CHECKED BY: Intact (Initials) S I No VI		7		ess made in writing and received by Cardinal within 30 business interruptions, loss of use, or loss of profits incu- of whether such claim is b. 30 upon any of the above	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or brt, shall be limited to the amount paid by the client for the			-		<	SLUI OTH ACIE ICE / OTH	ER : D/BASE: COOL <			Fax #:	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL		
Turnaround Tin Thermometer ID Correction Factor			Verbal Result: All Results are	analyses. All claims including trose for negligence and any oriner cause whatsoever sinal to even word unless made in writing and received by Cardinal writin 30 days after completion of the applicable service. In no event shall Cardinal to liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or succ., svits arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is b, vity upon any of the above stated reasons or therwise.	e amount paid by the client for the			- 0011	1153	1-923 1126 N	DATE TIME	27	EV	SAMPLING	T								L 70		<u>CHAIN-C</u>
Standard Rush c 34hc		2 N	Yes No Add'I Phone #: emailed. Please provide Email address:	able				1		7	.7	PH CL													CHAIN-OF-CUSTODY AND ANALYSIS
		к 	Add'I Phone #:																				ANALYSIS REQ		AND ANALY
Bacteria (only) Sample Condition Cool Intact Observed Temp. ℃ ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. ℃		~	5																				REQUEST		SIS REQUEST

Received by OCD: 3/14/2024 8:59:27 AM

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Released to Imaging: 4/17/2024 9:15:14 AM



November 15, 2023

KELLY LOWERY

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 11/10/23 16:50.

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.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager

٦



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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: SOL Project Number: 03B Project Manager: KEL Fax To:		Reported: 15-Nov-23 09:53
--	--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
NORTHEAST 0-0.25	H236186-01	Soil	10-Nov-23 15:20	10-Nov-23 16:50
NORTH 0-0.25	H236186-02	Soil	10-Nov-23 15:18	10-Nov-23 16:50
NORTHWEST 0-0.25	H236186-03	Soil	10-Nov-23 15:16	10-Nov-23 16:50
WEST 0-0.25	H236186-04	Soil	10-Nov-23 15:14	10-Nov-23 16:50
SOUTHWEST 0-0.25	H236186-05	Soil	10-Nov-23 15:13	10-Nov-23 16:50
SOUTH 0-0.25	H236186-06	Soil	10-Nov-23 15:09	10-Nov-23 16:50
SOUTHEAST 0-0.25	H236186-07	Soil	10-Nov-23 15:06	10-Nov-23 16:50
FS 16 10	H236186-08	Soil	10-Nov-23 09:06	10-Nov-23 16:50
FS 17 10	H236186-09	Soil	10-Nov-23 09:07	10-Nov-23 16:50
FS 18 10	H236186-10	Soil	10-Nov-23 09:13	10-Nov-23 16:50
FS 21 10	H236186-11	Soil	10-Nov-23 13:53	10-Nov-23 16:50
FS 22 10	H236186-12	Soil	10-Nov-23 13:52	10-Nov-23 16:50
FS 23 10	H236186-13	Soil	10-Nov-23 13:21	10-Nov-23 16:50
FS 24 10	H236186-14	Soil	10-Nov-23 12:27	10-Nov-23 16:50
FS 25 10	H236186-15	Soil	10-Nov-23 09:34	10-Nov-23 16:50
FS 19 10	H236186-16	Soil	10-Nov-23 14:45	10-Nov-23 16:50
SW 10 0-10	H236186-17	Soil	10-Nov-23 09:24	10-Nov-23 16:50
SW 11 0-10	H236186-18	Soil	10-Nov-23 09:23	10-Nov-23 16:50
SW 12 0-10	H236186-19	Soil	10-Nov-23 13:49	10-Nov-23 16:50
SW 13 0-10	H236186-20	Soil	10-Nov-23 13:47	10-Nov-23 16:50
SW 14 0-10	H236186-21	Soil	10-Nov-23 11:01	10-Nov-23 16:50
SW 15 0-10	H236186-22	Soil	10-Nov-23 09:56	10-Nov-23 16:50
SW 9 0-10	H236186-23	Soil	10-Nov-23 14:46	10-Nov-23 16:50

11/15/23 - Client changed the sample ID on -16 (see COC). This is the revised report and will replace the one sent on 11/13/23.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS H CARLSBAD NM, 88220	NY		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			NORTH H236	EAST 186-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
<u>Inorganic Compounds</u> Chloride	7100		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		118 %	71.5	-134	3111301	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			76.3 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			71.0 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HV CARLSBAD NM, 88220	٧Y		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				ГН 0-0 186-02 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	2800		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
		0.01	10.0	ing/kg	·	5111507	11111	15 1107 25	1000 01 15	
Volatile Organic Compounds Benzene*	*	021	0.050		50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	<0.050 <0.050		0.050	mg/kg	50	3111301	Л	13-Nov-23	8021B 8021B	
	<0.030		0.050	mg/kg mg/kg	50	3111301	Л	13-Nov-23	8021B 8021B	
Ethylbenzene* Total Xylenes*	< 0.150		0.050	mg/kg	50 50	3111301	Л	13-Nov-23	8021B 8021B	
Total BTEX	<0.130		0.130	mg/kg	50	3111301	л	13-Nov-23	8021B 8021B	
			118 %	71.5		3111301	л	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	"		118 %	/1.3	-134	5111501	Л	15-1000-25	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			77.1 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			69.0 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HV CARLSBAD NM, 88220	WΥ		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			NORTH H236	WEST 186-03 (So	0-0.25 pil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	1000		16.0			2111200	НМ	13-Nov-23	4500-Cl-B	
Chloride	1280		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-CI-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	ЈН	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII))		119 %	71.5	-134	3111301	ЛН	13-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			82.4 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			73.4 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	ſ		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			WE9 H236	ST 0-0.2 186-04 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds	4490		16.0	malka	4	3111309	НМ	13-Nov-23	4500-Cl-B	
Chloride	4480		16.0	mg/kg	4	5111509	пм	13-100-25	4300-СІ-В	
Volatile Organic Compounds b	y EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	3111301	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	28.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			79.6 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			72.9 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220			Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			SOUTHV H2361	WEST 186-05 (Se	0-0.25 oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds	4560		16.0	mg/kg	4	3111309	НМ	13-Nov-23	4500-Cl-B	
Chloride			16.0	mg/kg	4	5111509	пм	13-100-25	4300-СІ-Б	
Volatile Organic Compounds by		8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			120 %	71.5	-134	3111301	ЛН	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			73.3 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			65.2 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	/		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				ГН 0-0. 186-06 (Se	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	2520		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	v EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	ЈН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			124 %	71.5	-134	3111301	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			80.8 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			71.6 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HW CARLSBAD NM, 88220	Y		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			SOUTH H236	EAST 186-07 (Se	0-0.25 pil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	1770		16.0	ma/ka	4	3111309	HM	13-Nov-23	4500-Cl-B	
Chloride	1550		16.0	mg/kg	4	5111509	ПN	13-100-25	4300-СІ-В	
Volatile Organic Compounds b	y EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	3111301	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			77.9%	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			70.6 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220			Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 16 10 186-08 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	208		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								S-04
Benzene*	0.285		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Toluene*	1.56		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Ethylbenzene*	0.879		0.050	mg/kg	50	3111301	ЛН	13-Nov-23	8021B	
Total Xylenes*	4.51		0.150	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Total BTEX	7.24		0.300	mg/kg	50	3111301	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			143 %	71.5	-134	3111301	ЛН	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	12.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			73.4 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			63.9 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220			Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 17 10 186-09 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	368		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	0.193		0.050	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Toluene*	0.660		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	0.353		0.050	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Total Xylenes*	2.05		0.150	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Total BTEX	3.25		0.300	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %	71.5	-134	3111302	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	10.3		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			74.5 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			65.0 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Y		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 18 10 186-10 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds					<u> </u>					
Chloride	352		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	021								
Benzene*	14.5		5.00	mg/kg	5000	3111302	ЛН	13-Nov-23	8021B	
Toluene*	39.8		5.00	mg/kg	5000	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	11.5		5.00	mg/kg	5000	3111302	ЛН	13-Nov-23	8021B	
Total Xylenes*	65.5		15.0	mg/kg	5000	3111302	ЛН	13-Nov-23	8021B	
Total BTEX	131		30.0	mg/kg	5000	3111302	ЛН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5	-134	3111302	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	994		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	140		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			98.3 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			65.7 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220			Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 21 10 186-11 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	320		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	0.557		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Toluene*	1.23		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	0.473		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	2.69		0.150	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total BTEX	4.95		0.300	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %	71.5	-134	3111302	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	23.6		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			79.6 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			69.7 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HW CARLSBAD NM, 88220	Y		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 22 10 186-12 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	27		16.0		4	2111200	НМ	12 Nore 22	4500 CL D	
Chloride	256		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	021								
Benzene*	11.8		2.00	mg/kg	2000	3111302	JH	13-Nov-23	8021B	
Toluene*	28.8		2.00	mg/kg	2000	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	6.32		2.00	mg/kg	2000	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	35.6		6.00	mg/kg	2000	3111302	JH	13-Nov-23	8021B	
Total BTEX	82.5		12.0	mg/kg	2000	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5	-134	3111302	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	161		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
DRO >C10-C28*	22.5		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			83.6 %	48.2	-134	3111304	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			70.7 %	49.1	-148	3111304	MS	13-Nov-23	8015B	

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HV CARLSBAD NM, 88220	٧Y		Project Num Project Mana	ber: 03E			NK LEAK	1	Reported: 5-Nov-23 09:	53
				23 10 86-13 (Second	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Labora	tories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	1.58		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Toluene*	2.06		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	0.869		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	4.38		0.150	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total BTEX	8.89		0.300	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		128 %	71.5	-134	3111302	ЛН	13-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	58.1		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	25.3		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			99.1 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			90.6 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HV CARLSBAD NM, 88220	ſŶ		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
				5 24 10 186-14 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	400		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	021								
Benzene*	1.62		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Toluene*	1.81		0.050	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Ethylbenzene*	0.824		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	4.29		0.150	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total BTEX	8.54		0.300	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		121 %	71.5	-134	3111302	ЈН	13-Nov-23	8021B	
Petroleum Hydrocarbons by (GC FID									
GRO C6-C10*	40.3		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			94.0 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			88.0 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220			Project Num Project Mana	ber: 03B	: SOUTH CARLSBAD CS TANK LEAK Reported : 03B1226315 15-Nov-23 : KELLY LOWERY :					
				5 25 10 186-15 (Se	nil)					
			11250	100 13 (5	,iii)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	384		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	0.560		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Toluene*	0.993		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Ethylbenzene*	0.297		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	1.75		0.150	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total BTEX	3.60		0.300	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5	-134	3111302	ЛН	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	30.8		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	13.7		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			94.4 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			90.1 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220									Reported: 5-Nov-23 09:	53
				5 19 10 186-16 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	912		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								S-04
Benzene*	0.065		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Toluene*	0.620		0.050	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Ethylbenzene*	0.854		0.050	mg/kg	50	3111302	JH	13-Nov-23	8021B	
Total Xylenes*	5.23		0.150	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Total BTEX	6.77		0.300	mg/kg	50	3111302	ЛН	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			143 %	71.5	-134	3111302	JH	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			92.0 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			85.3 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220		Project: SOUTH CARLSBAD CS TANK LEAK Reported Project Number: 03B1226315 15-Nov-23 Project Manager: KELLY LOWERY Fax To:								53
			SW H2361	10 0-1 186-17 (Se	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Toluene*	0.162		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Ethylbenzene*	0.173		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total Xylenes*	1.65		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total BTEX	1.99		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			128 %	71.5	-134	3111303	JH/	13-Nov-23	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			85.5 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			80.1 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	(Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			SW H2361	11 0-1(186-18 (So	-					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3111309	HM	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			118 %	71.5	-134	3111303	JH/	13-Nov-23	8021B	
<u>Petroleum Hydrocarbons by G</u>	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			87.6 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			82.4 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	,	Project: SOUTH CARLSBAD CS TANK LEAK Reported: Project Number: 03B1226315 15-Nov-23 C Project Manager: KELLY LOWERY Fax To:								53
			SW H2361	12 0-1 186-19 (Se	•					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	96.0		16.0	mg/kg	4	3111309	НМ	13-Nov-23	4500-Cl-B	
			10.0	mg/kg	+	5111509	11101	13-1100-23	4500-CI-B	
Volatile Organic Compounds by		8021								
Benzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			116 %	71.5	-134	3111303	JH/	13-Nov-23	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			88.0 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			81.8 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HW CARLSBAD NM, 88220	Y		Project Num Project Mana	ber: 03B	1226315		CS TANK LEAK Reported: 15-Nov-23 09:5					
			SW H2361	13 0-1 186-20 (Se	•							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	ories							
Inorganic Compounds												
Chloride	80.0		16.0	mg/kg	4	3111310	AC	13-Nov-23	4500-Cl-B			
Volatile Organic Compounds b	y EPA Method 8	021										
Benzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Toluene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Total Xylenes*	< 0.150		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Total BTEX	< 0.300		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Surrogate: 4-Bromofluorobenzene (PID)			116 %	71.5	-134	3111303	JH/	13-Nov-23	8021B			
Petroleum Hydrocarbons by G	C FID											
GRO C6-C10*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
Surrogate: 1-Chlorooctane			89.6 %	48.2	-134	3111305	MS	13-Nov-23	8015B			
Surrogate: 1-Chlorooctadecane			84.1 %	49.1	-148	3111305	MS	13-Nov-23	8015B			

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	,		Project Num Project Mana	ber: 03B	1226315		5 TANK LEAK Reported: 15-Nov-23 09:53					
				14 0-1 186-21 (Se								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Cardina	l Laborat	ories							
Inorganic Compounds												
Chloride	1280		16.0	mg/kg	4	3111310	AC	13-Nov-23	4500-Cl-B			
Volatile Organic Compounds by	y EPA Method	8021										
Benzene*	0.269		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Toluene*	1.43		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Ethylbenzene*	0.443		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Total Xylenes*	1.71		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Total BTEX	3.86		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B			
Surrogate: 4-Bromofluorobenzene (PID)			123 %	71.5	-134	3111303	JH/	13-Nov-23	8021B			
Petroleum Hydrocarbons by G	C FID											
GRO C6-C10*	15.1		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
DRO >C10-C28*	29.8		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B			
Surrogate: 1-Chlorooctane			92.4 %	48.2	-134	3111305	MS	13-Nov-23	8015B			
Surrogate: 1-Chlorooctadecane			90.0 %	49.1	-148	3111305	MS	13-Nov-23	8015B			

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Celey D. Keene, Lab Director/Quality Manager

ENSOLUM 3122 NATIONAL PARKS HW CARLSBAD NM, 88220	Y	Project: SOUTH CARLSBAD CS TANK LEAK Report Project Number: 03B1226315 15-Nov-2 Project Manager: KELLY LOWERY Fax To:								
				15 0-1 186-22 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			16.0			2111210		12.33	4500 CL D	
Chloride	1600		16.0	mg/kg	4	3111310	AC	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	021								
Benzene*	0.100		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Toluene*	0.183		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Ethylbenzene*	0.275		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total Xylenes*	0.684		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total BTEX	1.24		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			119 %	71.5	-134	3111303	JH/	13-Nov-23	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	11.6		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	252		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	97.9		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			85.0 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			84.6 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager


ENSOLUM 3122 NATIONAL PARKS H CARLSBAD NM, 88220	WY		Project Num Project Mana	ber: 03B			NK LEAK	1	Reported: 5-Nov-23 09:	53
			SW H2361	9 0-10 86-23 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	3111310	AC	13-Nov-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Ethylbenzene*	0.147		0.050	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total Xylenes*	0.567		0.150	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Total BTEX	0.714		0.300	mg/kg	50	3111303	JH/	13-Nov-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		128 %	71.5	-134	3111303	JH/	13-Nov-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	40.0		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
DRO >C10-C28*	143		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
EXT DRO >C28-C36	33.6		10.0	mg/kg	1	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctane			90.5 %	48.2	-134	3111305	MS	13-Nov-23	8015B	
Surrogate: 1-Chlorooctadecane			83.7 %	49.1	-148	3111305	MS	13-Nov-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53	
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Inorganic Compounds - Quality Control

		Cardir	nal Lab	oratories						
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3111309 - 1:4 DI Water										
Blank (3111309-BLK1)				Prepared &	Analyzed:	13-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3111309-BS1)				Prepared &	Analyzed:	13-Nov-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3111309-BSD1)				Prepared &	z Analyzed:	13-Nov-23				
Chloride	464	16.0	mg/kg	400		116	80-120	10.9	20	
Batch 3111310 - 1:4 DI Water										
Blank (3111310-BLK1)				Prepared &	Analyzed:	13-Nov-23				
Chloride	ND	16.0	mg/kg							
LCS (3111310-BS1)				Prepared &	Analyzed:	13-Nov-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3111310-BSD1)				Prepared &	Analyzed:	13-Nov-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3111301 - Volatiles										
Blank (3111301-BLK1)				Prepared &	Analyzed:	13-Nov-23				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0597		mg/kg	0.0500		119	71.5-134			
LCS (3111301-BS1)				Prepared &	Analyzed:	13-Nov-23				
Benzene	2.07	0.050	mg/kg	2.00		104	82.8-130			
Toluene	2.16	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128			
m,p-Xylene	4.34	0.100	mg/kg	4.00		109	89-129			
o-Xylene	2.09	0.050	mg/kg	2.00		104	86.1-125			
Total Xylenes	6.43	0.150	mg/kg	6.00		107	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0563		mg/kg	0.0500		113	71.5-134			
LCS Dup (3111301-BSD1)				Prepared &	Analyzed:	13-Nov-23				
Benzene	2.03	0.050	mg/kg	2.00		102	82.8-130	1.77	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	1.85	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128	0.0112	16	
m,p-Xylene	4.36	0.100	mg/kg	4.00		109	89-129	0.396	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125	1.70	16.7	
Total Xylenes	6.48	0.150	mg/kg	6.00		108	88.2-128	0.822	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0564		mg/kg	0.0500		113	71.5-134			

Batch 3111302 - Volatiles

Blank (3111302-BLK1)			Prepared & Analyzed: 13-Nov-23
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Ttobult	2	omo	20101	Tresure	, vite e	Linne	iu b	Linit	110100
Batch 3111302 - Volatiles										
Blank (3111302-BLK1)				Prepared &	k Analyzed:	13-Nov-2	3			
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	71.5-134			
LCS (3111302-BS1)				Prepared &	analyzed:	13-Nov-2	3			
Benzene	1.98	0.050	mg/kg	2.00		99.1	82.8-130			
Toluene	1.96	0.050	mg/kg	2.00		98.2	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00		96.0	85.9-128			
m,p-Xylene	4.22	0.100	mg/kg	4.00		105	89-129			
o-Xylene	1.89	0.050	mg/kg	2.00		94.5	86.1-125			
Total Xylenes	6.11	0.150	mg/kg	6.00		102	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.3	71.5-134			
LCS Dup (3111302-BSD1)				Prepared &	k Analyzed:	13-Nov-2	3			
Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	10.3	15.8	
Toluene	2.19	0.050	mg/kg	2.00		109	86-128	10.7	15.9	
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128	11.7	16	
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129	8.47	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125	11.4	16.7	
Total Xylenes	6.71	0.150	mg/kg	6.00		112	88.2-128	9.38	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0492		mg/kg	0.0500		98.5	71.5-134			
Batch 3111303 - Volatiles										
Blank (3111303-BLK1)				Prepared &	k Analyzed:	13-Nov-2	3			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							

Surrogate: 4-Bromofluorobenzene (PID)

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Ethylbenzene

Total Xylenes

Total BTEX

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ND

ND

ND

0.0549

0.050

0.150

0.300

mg/kg

mg/kg

mg/kg

mg/kg

0.0500

110

71.5-134

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3111303 - Volatiles										
LCS (3111303-BS1)				Prepared &	Analyzed:	13-Nov-23	3			
Benzene	2.01	0.050	mg/kg	2.00		101	82.8-130			
Toluene	2.04	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128			
n,p-Xylene	4.03	0.100	mg/kg	4.00		101	89-129			
p-Xylene	1.98	0.050	mg/kg	2.00		99.1	86.1-125			
Fotal Xylenes	6.01	0.150	mg/kg	6.00		100	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	71.5-134			
LCS Dup (3111303-BSD1)				Prepared &	Analyzed:	13-Nov-23	3			
Benzene	1.83	0.050	mg/kg	2.00		91.7	82.8-130	9.19	15.8	
Toluene	1.84	0.050	mg/kg	2.00		92.2	86-128	10.1	15.9	
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.4	85.9-128	10.4	16	
n,p-Xylene	3.65	0.100	mg/kg	4.00		91.1	89-129	10.1	16.2	
p-Xylene	1.79	0.050	mg/kg	2.00		89.6	86.1-125	10.1	16.7	
Total Xylenes	5.44	0.150	mg/kg	6.00		90.6	88.2-128	10.1	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



IONAL PARKS HWY D NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53
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Petroleum Hydrocarbons by GC FID - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3111304 - General Prep - Organics										
Blank (3111304-BLK1)				Prepared &	z Analyzed:	13-Nov-23	3			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	35.7		mg/kg	50.0		71.4	48.2-134			
Surrogate: 1-Chlorooctadecane	30.9		mg/kg	50.0		61.8	49.1-148			
LCS (3111304-BS1)				Prepared &	z Analyzed:	13-Nov-23	3			
GRO C6-C10	199	10.0	mg/kg	200		99.5	66.4-123			
DRO >C10-C28	178	10.0	mg/kg	200		89.0	66.5-118			
Total TPH C6-C28	377	10.0	mg/kg	400		94.2	77.6-123			
Surrogate: 1-Chlorooctane	40.2		mg/kg	50.0		80.3	48.2-134			
Surrogate: 1-Chlorooctadecane	37.0		mg/kg	50.0		74.1	49.1-148			
LCS Dup (3111304-BSD1)				Prepared &	Analyzed:	13-Nov-23	3			
GRO C6-C10	197	10.0	mg/kg	200		98.4	66.4-123	1.11	17.7	
DRO >C10-C28	178	10.0	mg/kg	200		89.2	66.5-118	0.231	21	
Total TPH C6-C28	375	10.0	mg/kg	400		93.8	77.6-123	0.476	18.5	
Surrogate: 1-Chlorooctane	39.3		mg/kg	50.0		78.7	48.2-134			
Surrogate: 1-Chlorooctadecane	36.4		mg/kg	50.0		72.7	49.1-148			
Batch 3111305 - General Prep - Organics										
Blank (3111305-BLK1)				Prenared &	analyzed:	13-Nov-23	3			

Blank (3111305-BLK1)				Prepared & Anal	lyzed: 13-Nov-23	3	
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	41.1		mg/kg	50.0	82.3	48.2-134	
Surrogate: 1-Chlorooctadecane	38.9		mg/kg	50.0	77.9	49.1-148	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: Project Number: Project Manager: Fax To:		Reported: 15-Nov-23 09:53
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3111305 - General Prep - Organics										
LCS (3111305-BS1)				Prepared &	Analyzed:	13-Nov-23	3			
GRO C6-C10	200	10.0	mg/kg	200		100	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.0	66.5-118			
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	77.6-123			
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.1	48.2-134			
Surrogate: 1-Chlorooctadecane	45.4		mg/kg	50.0		90.9	49.1-148			
LCS Dup (3111305-BSD1)				Prepared &	Analyzed:	13-Nov-23	3			
GRO C6-C10	205	10.0	mg/kg	200		102	66.4-123	2.22	17.7	
DRO >C10-C28	187	10.0	mg/kg	200		93.5	66.5-118	1.61	21	
Total TPH C6-C28	392	10.0	mg/kg	400		98.0	77.6-123	1.93	18.5	
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	48.2-134			
Surrogate: 1-Chlorooctadecane	45.3		mg/kg	50.0		90.7	49.1-148			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Phone #: 214-733-3165	-3165	Email: kl	Email: klowery@ensolum.com		Address:			-	0					
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				MATRIX	PRESERV.	SAMPLING								
Lab I.D.	Sample I.D.	Sample Depth (feet)	G)RAB OR (C)ON CONTAINERS GROUNDWATER WASTEWATER	OIL DIL SLUDGE DTHER : CID/BASE:	CE / COOL THER :	DATE T	Press	<u>BIEX</u> TPH	Chlorid					
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Project Manager: Kelly Lowery	Kelly Lowery			P.O. #	ANALYSIS REQUEST	
Address: 601 N.	601 N. Marienfeld St. STE 400			Company: Enterprise Field Services.	Id Services.	
a	State: TX	Zip: 79701		Attn: Thomas Long		
Phone #: 214-733-3165	3-3165	Email: k	Email: klowery@ensolum.com	Address:	00	
Project #:	Pr	Project Owner:		City:		
Project Name:				State: Zip:	N	
Project Location:				Phone #: 505-215-4727	5	
Sampler Name:				Email: tjlong@eprod.com	32	
FOR LAB USE ONLY		-	AP. MATRIX	PRESERV. SAMPLING	80	
Lab I.D.	Sample I.D.	Sample Depth (feet)	(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	DTHER : ACID/BASE: CE / COOL DTHER :	BTEX TPM Chlorid	
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Phone #: 214-733-3165		Email: klowery@ensolum.com	Address:	1 5 Q	
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Project I ocation.			State: Zip:	5	
r ivject Location:		-	Phone #: 505-215-4727	27.5	
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FORM-006 R 3.2 10/07/21					No No Corrected Temp. °C

Laboratories



December 11, 2023

KELLY LOWERY ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 12/08/23 10:40.

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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 02 11' (H236583-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	<0.050	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	<0.300	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 05 11' (H236583-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	<0.050	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	<0.300	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 08 11' (H236583-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.186	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	<0.050	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	<0.300	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 15 11' (H236583-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.351	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	0.068	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	0.175	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	0.594	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 18 11' (H236583-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.72	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	2.52	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	0.775	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	3.58	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	8.60	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	405	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	40.7	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 19 11' (H236583-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.861	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	1.30	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	0.502	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	2.40	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	5.06	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	41.5	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	13.3	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 20 11' (H236583-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.599	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	1.10	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	0.448	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	2.21	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	4.36	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.4	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	21.4	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 14 0-10' (H236583-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.428	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	1.03	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	0.336	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	1.74	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	3.53	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26.2	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	119 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 15 0-10' (H236583-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.107	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	0.620	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	0.460	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	2.55	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	3.73	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	27.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/08/2023	Sampling Date:	12/08/2023
Reported:	12/11/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Dionica Hinojos
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 18 0-10' (H236583-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2023	ND	2.25	113	2.00	8.76	
Toluene*	<0.050	0.050	12/08/2023	ND	2.14	107	2.00	8.05	
Ethylbenzene*	<0.050	0.050	12/08/2023	ND	2.19	109	2.00	6.93	
Total Xylenes*	<0.150	0.150	12/08/2023	ND	6.49	108	6.00	6.12	
Total BTEX	<0.300	0.300	12/08/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2023	ND	198	99.2	200	0.423	
DRO >C10-C28*	<10.0	10.0	12/08/2023	ND	193	96.6	200	0.560	
EXT DRO >C28-C36	<10.0	10.0	12/08/2023	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

		BILL TO	
Froject Manager: Kelly Lowery		PO #	ANALYSIS REQUEST
Address: 601 N. Marienfeld St. STE 400		Company: Enterprise Field Services.	
State: TX Zip:	79701	Attn: Thomas Long	
Project #. > 0 0	Email: klowery@ensolum.com	Address:)
Project Name: 0 12 63/5 Project	Project Owner:	City:	N N
Bring Douth Carls boal	US TANK Look	State: Zip:	j
river Location: Eddy County		#: 505-215-4727	F
Sampler Name: GK		1714-017-000 11 011-11	
FOR LAB USE ONLY		Email: tjlong@eprod.com	4
J	P. MATRIX	PRESERV. SAMPLING	1
Lab I.D. Sample I.D. s	(C)OM	(3	C
	E)RAB OR CONTAIN ROUNDW ASTEWAT		nex hlori
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81 57 C		1 1 514	
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy to All claims including those for negligence and any other cause whatsoover shall he are shall be also be as a statement of the shall be also	Y for any claim arising whether based in contract or tort, shall be limited to the amount of the amount of the amount of the second sec	The dent for the analyses	XX
atiliste or successor attige out or incidental or consequential damages, including without initiation, builess interruptions, loss of use of the optication within 30 days after completion of the applicable service. Relinquished By: <u>A C</u> <u>A Carlo - Carl</u>	including without limitation, business initiarruptions, loss of usa, or foot within 30 days after, completion of the as is hresunder by Cardinal, rogardises of whether such claim is based upon any of the above stated reasons or oh Pate:	130 days after completion of the applicable service. Is incurred by client, its subsidiarities, of the above stated reasons or otherwise.	
Cartlet Time:	Editin		Yes □ No Add'I Phone #: sd. Please provide Email address:
Relinquished By: Date:		Remarks barteria	1 / tjlong@eprod.com
Time:		NEMARKS: Paykey/AFE/NonAFE:	TRINAFE DIL 10
her:	Corrected Temp. °C 2, G & Sample Condition Corrected Temp. °C 2, G & Cool Intact	CHECKED BY: Turnaround Time: Standard (Initials) Rush Cool Induct	Doserved Temp, *C
	No No	Thermometer ID #FT3V011	

ar common accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



December 15, 2023

KELLY LOWERY ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD, NM 88220

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 12/14/23 15:42.

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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 18 12' (H236681-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	0.874	0.050	12/14/2023	ND	1.60	79.9	2.00	19.6	
Toluene*	2.71	0.050	12/14/2023	ND	1.66	83.1	2.00	19.5	
Ethylbenzene*	1.52	0.050	12/14/2023	ND	1.66	83.1	2.00	20.2	
Total Xylenes*	7.19	0.150	12/14/2023	ND	5.02	83.7	6.00	20.4	
Total BTEX	12.3	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	151	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	384	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	37.9	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	16.7	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.0	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 20 12' (H236681-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	1.60	79.9	2.00	19.6	
Toluene*	0.096	0.050	12/14/2023	ND	1.66	83.1	2.00	19.5	
Ethylbenzene*	0.050	0.050	12/14/2023	ND	1.66	83.1	2.00	20.2	
Total Xylenes*	0.218	0.150	12/14/2023	ND	5.02	83.7	6.00	20.4	
Total BTEX	0.364	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	78.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.4	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 26 10' (H236681-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	1.60	79.9	2.00	19.6	
Toluene*	<0.050	0.050	12/14/2023	ND	1.66	83.1	2.00	19.5	
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	1.66	83.1	2.00	20.2	
Total Xylenes*	<0.150	0.150	12/14/2023	ND	5.02	83.7	6.00	20.4	
Total BTEX	<0.300	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	69.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: FS 27 10' (H236681-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	1.60	79.9	2.00	19.6	
Toluene*	0.072	0.050	12/14/2023	ND	1.66	83.1	2.00	19.5	
Ethylbenzene*	0.066	0.050	12/14/2023	ND	1.66	83.1	2.00	20.2	
Total Xylenes*	0.236	0.150	12/14/2023	ND	5.02	83.7	6.00	20.4	
Total BTEX	0.374	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	11.1	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	78.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 19 0-10' (H236681-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	2.21	111	2.00	0.605	
Toluene*	<0.050	0.050	12/14/2023	ND	2.18	109	2.00	0.231	
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	2.16	108	2.00	0.156	
Total Xylenes*	<0.150	0.150	12/14/2023	ND	6.79	113	6.00	0.678	
Total BTEX	<0.300	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: SW 20 0-10' (H236681-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	2.21	111	2.00	0.605	
Toluene*	<0.050	0.050	12/14/2023	ND	2.18	109	2.00	0.231	
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	2.16	108	2.00	0.156	
Total Xylenes*	<0.150	0.150	12/14/2023	ND	6.79	113	6.00	0.678	
Total BTEX	<0.300	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-12		4							
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/15/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	urrogate: 1-Chlorooctane 73.0 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148		8							

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: BG 01 0-0.25 (H236681-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	2.21	111	2.00	0.605	
Toluene*	<0.050	0.050	12/14/2023	ND	2.18	109	2.00	0.231	
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	2.16	108	2.00	0.156	
Total Xylenes*	<0.150	0.150	12/14/2023	ND	6.79	113	6.00	0.678	
Total BTEX	<0.300	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-13-		4							
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/15/2023	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	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	70.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM KELLY LOWERY 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220 Fax To:

Received:	12/14/2023	Sampling Date:	12/14/2023
Reported:	12/15/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO.		

Sample ID: BG 02 0-0.25 (H236681-08)

BTEX 8021B	/kg	Analyze	d By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2023	ND	2.21	111	2.00	0.605	
Toluene*	<0.050	0.050	12/14/2023	ND	2.18	109	2.00	0.231	
Ethylbenzene*	<0.050	0.050	12/14/2023	ND	2.16	108	2.00	0.156	
Total Xylenes*	<0.150	0.150	12/14/2023	ND	6.79	113	6.00	0.678	
Total BTEX	<0.300	0.300	12/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID 104 % 71.5-13		4							
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	12/15/2023	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	12/15/2023	ND	201	101	200	1.52	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	189	94.3	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					
Surrogate: 1-Chlorooctane	poctane 70.5 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane 61.2 % 49.1-148		8							

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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 SM4500CI-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

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

FORM-006 R 3.2 10/07/21 t	Delivered By: (Circle One) Ot Sampler - UPS - Bus - Other: Co	Relinquished By:	PLEASE NOTE: Liability and Damogas. Cardina's lability and dent's exclusion All claims including those for negligence and damy other cause whatsoore In ne event shall Cardinal be liable for incidential or consequential damoga In ne event shall Cardinal be liable for incidential or consequence of exo	Y 3602	6 Ju 20 7 Ju 20	Ju 10	3 55 78	77	81 57 1	Hab I.D. I Sample I.D.	Sampler Name: 5(on: Eddy (or	ame:	12131276315	4-733-3165	Address: 001 IV. Maintaining On Ore 100 City: Midland State: TX Zip:	Project Manager, Neily Lowery	The Manager Kolly Lowery	Company Name: Ensolum, LLC	101 East Marlanc (575) 393-2326	Laboratorie	
	Observed Temp. *C Sample Condition Corrected Temp. *C Cool Intact S - A Pres Image: Solution of the second	Date: Image: Image: Image: Time; Class: Class: Class: Time: Received By:	PLASE KOTE: Liability and Damayas. Cardinal's bulkly and client's anotanown immedy fix any client anaxy whather band in vorting or for the valie to immede to the amount pack by the electric the analyses. All claims including the or magioner and any other cursue whatsoever intell to deemed valved unless made in writing and received by Cardinal. This, "easy after completion of the applicable service All claims including the or magioner and any other cursue whatsoever intell to deemed valved unless made in writing and received by Cardinal. This," easy after completion of the applicable service In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business immediates of whether such claims is based upon any of the bacteer stated records or otherwise.	CU II	D-Dillic I X	50			12 KIII XI	(feet) Depth (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE			(S TANK Leak	Project Owner:		79701				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	ries	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	diffion CHECKED BY: Turnaround Time: Standard Backtes (only) Sample Constants t (Initials) Rush Cool Intact Deserved Tember Constants t Inermometer ID=#H3 Thermometer ID=#H3 Units - Constants io Image: Connection Factor_4-5*C Image: Connection Temp.*C	II Result: Yes Anon ry@ensolum.com / tilong@e ARKS: Paykey/AFE/NonAFE	to the annual nucle by the clerif to the analyses. Glass Taho, "days after completion of the applicable sorvice. as of profits incurred by clerent, its subsidiarities, as of profits incurred by clerent, its subsidiarities,	1	14/4 X X /					SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME T T T T T T T T T T T T T	8	86	21	BS	Address:	Attn: Thomas Long	Company: Enterprise Field Services,	P.O. #:	BILL TO ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	

Page 11 of 11



December 20, 2023

Kelly Lowery Ensolum, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 12/19/23 15:20.

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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/19/2023	Sampling Date:	12/19/2023
Reported:	12/20/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Tamara Oldaker
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: FS 20 14 (H236743-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.059	0.050	12/19/2023	ND	2.38	119	2.00	2.42	GC-NC
Toluene*	0.173	0.050	12/19/2023	ND	2.34	117	2.00	1.73	GC-NC
Ethylbenzene*	0.129	0.050	12/19/2023	ND	2.41	121	2.00	2.83	GC-NC
Total Xylenes*	0.692	0.150	12/19/2023	ND	7.29	122	6.00	3.14	GC-NC
Total BTEX	1.05	0.300	12/19/2023	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/20/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	14.4	10.0	12/20/2023	ND	175	87.4	200	1.10	
DRO >C10-C28*	30.2	10.0	12/20/2023	ND	170	85.0	200	1.08	
EXT DRO >C28-C36	<10.0	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/19/2023	Sampling Date:	12/19/2023
Reported:	12/20/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Tamara Oldaker
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 09 0-10 (H236743-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.116	0.050	12/19/2023	ND	2.38	119	2.00	2.42	GC-NC1
Toluene*	0.497	0.050	12/19/2023	ND	2.34	117	2.00	1.73	GC-NC1
Ethylbenzene*	0.717	0.050	12/19/2023	ND	2.41	121	2.00	2.83	GC-NC1
Total Xylenes*	4.20	0.150	12/19/2023	ND	7.29	122	6.00	3.14	GC-NC1
Total BTEX	5.53	0.300	12/19/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	165	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/20/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	109	10.0	12/20/2023	ND	175	87.4	200	1.10	
DRO >C10-C28*	159	10.0	12/20/2023	ND	170	85.0	200	1.08	
EXT DRO >C28-C36	17.8	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/19/2023	Sampling Date:	12/19/2023
Reported:	12/20/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Tamara Oldaker
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 15 0-10 (H236743-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2023	ND	2.38	119	2.00	2.42	
Toluene*	0.131	0.050	12/20/2023	ND	2.34	117	2.00	1.73	GC-NC1
Ethylbenzene*	0.070	0.050	12/20/2023	ND	2.41	121	2.00	2.83	GC-NC1
Total Xylenes*	0.357	0.150	12/20/2023	ND	7.29	122	6.00	3.14	GC-NC1
Total BTEX	0.558	0.300	12/20/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	12/20/2023	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.1	10.0	12/20/2023	ND	185	92.4	200	0.174	
DRO >C10-C28*	42.2	10.0	12/20/2023	ND	193	96.6	200	5.21	
EXT DRO >C28-C36	13.8	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/19/2023	Sampling Date:	12/19/2023
Reported:	12/20/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Tamara Oldaker
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: SW 21 0-10 (H236743-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.099	0.050	12/20/2023	ND	2.38	119	2.00	2.42	GC-NC1
Toluene*	0.541	0.050	12/20/2023	ND	2.34	117	2.00	1.73	GC-NC1
Ethylbenzene*	0.494	0.050	12/20/2023	ND	2.41	121	2.00	2.83	GC-NC1
Total Xylenes*	2.82	0.150	12/20/2023	ND	7.29	122	6.00	3.14	GC-NC
Total BTEX	3.95	0.300	12/20/2023	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	12/20/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	44.3	10.0	12/20/2023	ND	148	74.2	200	8.77	
DRO >C10-C28*	340	10.0	12/20/2023	ND	155	77.7	200	6.07	
EXT DRO >C28-C36	202	10.0	12/20/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Company Name: Ensolum, LLC	nsolum, LLC			BILL TO	ANALYSIS REQUEST
Project Manager: Kelly Lowery	elly Lowery			P.O. #:	
ENT N M	R01 N Marianfald St STF 400			Company: Enterprise Field Services,	ervices,
City: Midland	State: TX Zip:	: 79701		Attn: Thomas Long	2
Phone #: 214-733-3165			Email: klowery@ensolum.com	Address:	3)
220	1771216 Proj	Project Owner:		City:	51
ame:	the Carlo	I CS TAN	+ Leak	State: Zip:	31
Project Location:	1			Phone #: 505-215-4727	
Sampler Name:	VIII NOON INS			Email: tjlong@eprod.com	-
OR LAB USE ONLY		_	MATRIX	PRESERV. SAMPLING	
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Relinquished By:	sers arising out of or related to the performance of ser ed By:	Time: (-7)		a Market Mark	Verbal Result: D Yes A No Add'I Phone #: Al-Results are emailed. Please provide Email address: dowery@ensolum.com / tijong@eprod.com
Relinquished By:	1 10 1 1 1 1	Date: R	Received By:	RE	NonAFE
		Time:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 1, 3 Corrected Temp. °C 1, 3	Sample Condition Cool Infact	CHECKED BY: (Initials)	Termanound Time: Standard \Box Bactinia (only) Sample Condition Rush \square Cool Index: Observed Temp. "C Thermometer ID 1443- $\cancel{1}$,

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories



December 20, 2023

Kelly Lowery Ensolum, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 12/19/23 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	12/19/2023	Sampling Date:	12/19/2023
Reported:	12/20/2023	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Tamara Oldaker
Project Location:	ENTERRPRISE - EDDY CO NM		

Sample ID: BG 01 0-0.25 (H236744-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	12/20/2023	ND	432	108	400	0.00	

Sample ID: BG 02 0-0.25 (H236744-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	12/20/2023	ND	432	108	400	0.00	

Cardinal Laboratories

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PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, whother based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

FORM-006 R 3.2 10/07/21	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	noninquisticu by.	Relinguished By:	All claims including those for negligence and any other cause In no event shall Cardinal be liable for incidental or consequent affiliates or successors arising out of or reliated to the performan	PLEASE NOTE: Liability and Damagos. Cardina's liability and client's				6 8000	1 56-01	H236744		FOR LAB USE ONLY	Project Location: Eddy Count	Project Name: South Carlybud	Project #: 03 3 1226315	Phone #: 214-733-3165	City: Midland State: TX	Address: 601 N. Marienfeld St. STE 400	Project Manager: Kelly Lowery	Company Name: Ensolum, LLC	101 East (575) 33	NCARDINAL Laboratories
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	Observed Temp. "C /, 3 Sample Condition Corrected Temp. "C /, 3 Coty . Intact 2 Young Tem 1 No 1 No No	Time:	520	I unless made in writing and tion, business interruptions, al, regardless of whether su	erclusive monshe for zone chiem driebo whether based in contract or test shall be limited to the		SVK	NEE	0-0-25 - 0	0-03C1 X	(G)RAB OR (# CONTAINE GROUNDWA WASTEWATI SOIL OIL	RS		×	as Tank Leak	Project Owner:	Email: klowery@ensolum.com	X Zip: 79701	400			101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	tories
ase email changes to celey.keene@cardir	CHECKED BY: Turnare (Initials) Rush Therm Corre	N6	All All Barrier Contractions	v and arrivation to a service it part year cents are a rangese reactived by Castifait within 30 days after composition of the applicable service. loss of use, or loss of profils incurred by client, its subsidiarities, ch claim is based upon any of the algory's stated ransons or otherwise.	amount mult hu the clear for the status				Stil (20010 ×	12/19/23	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	PRESERV. SAMPLING	g@epr	Phone #: 505-215-4727	State: Zip:	City:	Address:	Attn: Thomas Long	Company: Enterprise Field Services,	P.O. #:	BILL TO		CHAIN-OF
nallabsnm.com	Standard Cool Intact	N67878	Verbal Result: □ Yes □ No All Results are emailed. Pleåke provide Email address: klowery@ensolum.com / tjiong@eprod.com							X	T PI- BTE Chlor	C	SE		51	1))				ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4



January 03, 2024

KELLY LOWERY ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND, TX 79705

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/02/24 13:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: FS 22 10 (H240009-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.090	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	0.329	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	0.164	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	0.790	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	1.37	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.3	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	23.3	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	19.0	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: FS 28 10 (H240009-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	0.064	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	<10.0	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	10.2	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: FS 29 10 (H240009-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	0.071	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	0.154	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	<10.0	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	120 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: FS 30 10 (H240009-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.157	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	0.411	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	0.168	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	0.782	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	1.52	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 71.5-13	24						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.7	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	10.8	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	18						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: SW 15 0-10 (H240009-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	<0.150	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	<10.0	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	98.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/02/2024	Sampling Date:	01/02/2024
Reported:	01/03/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: SW 21 0-10 (H240009-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/02/2024	ND	1.92	95.9	2.00	8.29	
Toluene*	<0.050	0.050	01/02/2024	ND	1.87	93.4	2.00	8.89	
Ethylbenzene*	<0.050	0.050	01/02/2024	ND	1.85	92.7	2.00	8.52	
Total Xylenes*	0.296	0.150	01/02/2024	ND	5.40	89.9	6.00	8.66	
Total BTEX	<0.300	0.300	01/02/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	01/03/2024	ND	416	104	400	10.9	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/02/2024	ND	184	91.9	200	0.385	
DRO >C10-C28*	<10.0	10.0	01/02/2024	ND	177	88.7	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	01/02/2024	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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 SM4500CI-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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

(57 Company Name: Ensolum. LLC	(5/5) 393-2325 lum. LLC	(5/5) 393-2326 FMA (3/3) 333-2410	110		BILL	10			ANALYS	ANALYSIS REQUEST		
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Phone #: 214-733-3165		Email:	klowery@ensolum.com		Address:)	12	2			
·		Project Owner:			City:		B	5	80			
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ofers roomen FO	(1 0 0 0 1 / D				Email: tjlong@eprod.com	eprod.com	26	8	L			
sampler vame: SC				MATRIX	PRESERV.	SAMPLING	8	/	<i>o</i>			
FOR LAB USE ONLY			P.	MAIKIX	PRESERV.	Onum Lance	((do			
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affiliates or successors arising out of Relinquished By:	interest autocessor conversion of or related to the performance of services hereunder by Cardinal, re alinear or successor of the services hereunder by Cardinal, re alinear services hereunder by Cardinal, re-	Date:	Received By:	claim is based upon any	Con materie Bactore Bits 10	Ver	al Result: sults are en		No Add'l Pho Please provide Email address:	Add'l Phone #: il address:		
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Relinquished By:		Date: Time:	Received By:		- (7	4 WINNYS	-		84,87.9 N		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C 4. 2		Sample Condition Cool Intact	CHECKED BY: (Initials)		ound Time:	Standard	Bacteria (only) Sample Conditio	nple Condition		

† Cardinal

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 9 of 9



January 25, 2024

KELLY LOWERY ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND, TX 79705

RE: SOUTH CARLSBAD CS TANK LEAK

Enclosed are the results of analyses for samples received by the laboratory on 01/24/24 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: NORTH 3' (H240325-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/25/2024	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	0						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: NORTH 6' (H240325-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/25/2024	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: NORTH 9' (H240325-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	01/25/2024	ND	432	108	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: SOUTH 3' (H240325-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: SOUTH 6' (H240325-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: SOUTH 9.5' (H240325-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	01/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: EAST 3' (H240325-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: EAST 6' (H240325-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	01/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/25/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



ENSOLUM, LLC KELLY LOWERY 705 W WADLEY AVE. MIDLAND TX, 79705 Fax To:

Received:	01/24/2024	Sampling Date:	01/24/2024
Reported:	01/25/2024	Sampling Type:	Soil
Project Name:	SOUTH CARLSBAD CS TANK LEAK	Sampling Condition:	Cool & Intact
Project Number:	03B1226315	Sample Received By:	Shalyn Rodriguez
Project Location:	ENTERPRISE - EDDY CO NM		

Sample ID: EAST 8' (H240325-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/24/2024	ND	1.93	96.6	2.00	0.568	
Toluene*	<0.050	0.050	01/24/2024	ND	2.05	103	2.00	1.02	
Ethylbenzene*	<0.050	0.050	01/24/2024	ND	2.06	103	2.00	1.21	
Total Xylenes*	<0.150	0.150	01/24/2024	ND	6.22	104	6.00	1.51	
Total BTEX	<0.300	0.300	01/24/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	01/25/2024	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	01/25/2024	ND	191	95.5	200	8.72	
DRO >C10-C28*	<10.0	10.0	01/25/2024	ND	177	88.7	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	01/25/2024	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By:	(her		Relinquished By:	analyses. All clair service, In no eve affiliates or succe	PLEASE NOTE:	-20	2	2	Ģ	s.	¢.	2	r	-	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #: 214-733-3165
	hed By:	moun bully	hed By:	ent shall Cardi essors arising of	Liability and D										D.	ONLY	Vame:	ocation:		03B1226315	214-733-
		lan		nose for neglige nal be liable for sut of or related	amages. Cardi	学	East	East	South	YOUTH	South	NONH	NON	North	Sample I.D.		NKD	Eddy (South Car	26315	3165
				rses. All claims including trose for regigence and any other calce. In no event shall Cardinal be liable for incidental or consequites or successors arising out of or related to the performance of	nal's liability and o									1	le I.D.			Eddy County, New Mexico	South Carlsbad CS Tank Leak		
Time:	Date:	Time:		sampses. An claims including trose for heighence and any ourst cause wriatsoered since one event wared unters internet in wring out a converse by claims multiple or use outpresson or use oppressoned in a converse shall Cardinal Cardinal bable for incidental or consequential damages, including without instainon, bates internet or or loss of probab hourred by claims, the states of services are conversed and the states of	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount pad by the client for the	~	61	2	9.5'	6'	ž	9	6'	ž	Depth (feet)			w Mexico	Fank Leak	Project Owner:	Fax #:
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Shi hid	REMARKS	klowery@ensolun	Verbal Result:	reasons or otherwise	id by the client fo	1246	0411	1/20	(230	0111	1180	072	1850	in the	TIME	SAMPLING	D. Cours	4727			
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Sampler - UPS - Bus - Other:

Corre

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Ompany Name: Ensolum, LLC	P.O. #:	Project Manager: Kelly Lowery
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	BI	Company Name: Ensolum, LLC
Laboratories		101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Laboratories		
CARDINAL		Laboratories
		CARDINAL

City: Midland

State: TX

Zip: 79701

ENterProje

Fled Sennits

LL TO

ANALYSIS REQUEST

ATTN: THOMAS LONG

4500

TPH \$015M

Chlowdes

Address: 601 N Marienfeld Street, Suite 400

Page	175	of 1	82
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Released to Imaging: 4/17/2024 9:15:14 AM

/@ensolum.com

Standard

Corrected Temp. °C Observed Temp. °C ults are emailed. Please provide Email address:

□ Yes

X No Add'I Phone #:

licable

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X

Tem റ്റ Cool Intact X (Initials) Correction Factor -0.5°C Ausu ١ X Bacteria (only) Sample Condition Cool Intact Observed Temp. Yes Yes Nc No Corrected Temp.

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 323150

QUESTIONS	3
Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS Proroquisitos

rerequisites	
Incident ID (n#)	nAPP2327931302
Incident Name	NAPP2327931302 SOUTH CARLSBAD COMPRESSOR STATION @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.						
Site Name	SOUTH CARLSBAD COMPRESSOR STATION					
Date Release Discovered	10/06/2023					
Surface Owner	Private					

Incident Details

Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	Νο
Has this release endangered or does it have a reasonable probability of endangering public health	Νο
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

Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for	r 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	Not answered.			
Condensate Released (bbls) Details	Cause: Corrosion Tank (Any) Condensate Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.			
Natural Gas Vented (Mcf) Details	Not answered. Not answered.			
Natural Gas Flared (Mcf) Details				
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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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 323150

Page 177 of 182

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
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.		

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	Тгие
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele- the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 03/14/2024

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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 Loss than or equal 25 (ft)

release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 100 and 200 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1000 (ft.) and ½ (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 500 and 1000 (ft.)
Did the release impact areas not on an exploration, development, production, or storage site	Νο

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 de	monstrating 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 vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mi	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	5760
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	84.1
GRO+DRO	(EPA SW-846 Method 8015M)	268
BTEX	(EPA SW-846 Method 8021B or 8260B)	49.6
Benzene	(EPA SW-846 Method 8021B or 8260B)	4.1
	IMAC unless the site characterization report includes completed elines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date wi	II the remediation commence	10/06/2023
On what date will (or did) th	ne final sampling or liner inspection occur	11/09/2023
On what date will (or was)	the remediation complete(d)	01/24/2024
What is the estimated surfa	ace area (in square feet) that will be reclaimed	5400
What is the estimated volur	me (in cubic yards) that will be reclaimed	2400
What is the estimated surfa	ace area (in square feet) that will be remediated	5400
What is the estimated volur	ne (in cubic yards) that will be remediated	2400
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.

Page 178 of 182

QUESTIONS, Page 3

Action 323150

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Page 179 of 182

QUESTIONS, Page 4

Action 323150

QUESTIONS (continued)	
Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:	
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes		
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility Not answered.		
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction Not answered.		
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered.		
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process) Not answered.		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Thomas Long Title: Sr Field Environmental Scientist Email: tjlong@eprod.com Date: 03/14/2024	

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

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District III

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District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

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Action 323150

QUESTIONS (continued)	

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-y-Deferral)

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	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes	
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Tank Battery and secondary containment system.	
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	Not answered.	
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	Not answered.	
	ately under or around production equipment such as production tanks, wellheads and pipelines where may be deferred with division written approval until the equipment is removed during other operations, or when	
Enter the facility ID (f#) on which this deferral should be granted South Carlsbad Compressor Station [fJMW1320648561]		
Enter the well API (30-) on which this deferral should be granted	Not answered.	
Contamination does not cause an imminent risk to human health, the environment, or groundwater		
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Title: Sr Field Environmental Scientist Email: tjlong@eprod.com	

Date: 03/14/2024

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

QUESTIONS, Page 6

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Action 323150

QUESTIONS (continued)

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	306357
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/24/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	200

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 No

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CONDITIONS

Operator:	OGRID:
Enterprise Field Services, LLC	241602
PO Box 4324	Action Number:
Houston, TX 77210	323150
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS			
Created By	Condition	Condition Date	
michael.buchanan	Deferral approved. Deferral of the South Carlsbad Compressor Station (32.313302 -104.137647) is approved due to the presence of active production equipment and tank batteries to the east of the spill area. Deferred until plugging and abandonment of the site or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	4/17/2024	

CONDITIONS

Action 323150