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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NAPP2205975241
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: **Harvest Midstream**	OGRID: **373888**
Contact Name: **Monica Smith**	Contact Telephone: **(505) 632-4625**
Contact email: **msmith@harvestmidstream.com**	Incident # *(assigned by OCD)* **nAPP2205975241**
Contact mailing address: **1755 Arroyo Drive, Bloomfield**	**New Mexico, 87413**

Location of Release Source

Latitude **36.48421** Longitude **-107.46541**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: **Trunk R – Lowrey Sales Tank**	Site Type: **Battery**
Date Release Discovered: **2/17/2022**	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
I MV - 06/24/2022	**16**	**26N**	**6W**	**Rio Arriba**

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) **50**	Volume Recovered (bbls) **50**
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
2" valve on the sales tank failed due to freeze. Approximately 50 bbls of produced water was released into the lined secondary containment area. All liquids have been removed and hauled off for disposal. The volume of the release was determined by the amount of liquid recovered by the water truck.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205975241
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	42 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☒ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205975241
District RP	
Facility ID	
Application ID	

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

Printed Name: **Monica Smith** Title: Environmental Specialist

Signature: MonicaSmith 5/15/2022

email: **msmith@harvestmidstream.com** Telephone: **(505) 632-4625**

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205975241
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: **Monica Smith** Title: Environmental Specialist

Signature: Monica Smith Date: 5/15/2022

email: **msmith@harvestmidstream.com** Telephone: **(505) 632-4625**

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Nelson Velez Date: 06/24/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Justification

The volume of the release weas determined based on the volume of the produced water recovered off of the liner within the tank berm.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 84992

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 84992
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	The submitted C-141 is accepted with the following condition(s): The lateral and longitudinal information does not match the ULSTR regarding the release location. Please correct the conflicting information and report back to OCD. The latitude and longitude information (36.484172,-107.46547) on the C-141 resulted in the following ULSTR: I-16-26N-06W.	3/3/2022

ENSOLUM

May 13, 2022

District 3
New Mexico Oil Conservation Division
1000 Rio Brazos Road,
Aztec, New Mexico 87410

Re: Closure Request
Lowery Tank Battery
Incident Number NAPP2205975241
Rio Arriba County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum) on behalf of Harvest Midstream Company (Harvest), has prepared this Closure Request to document site assessment and soil sampling activities performed at theTrunk R Lowery Sales Tank (Site) in the northeast quarter of the southeast quarter of Section 16, Township 26 North, Range 6 West, in Rio Arriba County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to address impacts to soil resulting from a release of produced water at the Site. Based on the field screening and analytical results from the soil sampling events, Harvest is submitting this Closure Request, describing remediation that has occurred and requesting closure for Incident Number NAPP2205975241.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Rio Arriba County, New Mexico (36.48421° N, 107.46541°W) and is associated with oil and gas midstream operations on New Mexico State Land.

On February 17, 2022, a valve on the produced water tank froze and broke, resulting in the release of approximately 50 barrels (bbls) of produced water into a lined secondary containment. A vacuum truck was immediately dispatched to the Site to recover the 50 bbls of free-standing fluids, and the broken valve was replaced. Harvest reported the release to the NMOCD via email on February 17, 2022, and on a Release Notification Form C-141 (Form C-141) on February 28, 2022. The release was assigned Incident Number NAPP2205975241.

SITE CHARATERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figures 2 and 3.

Depth to groundwater at the Site is known to be less than 50 feet below ground surface (bgs) based on data collected from groundwater monitoring wells on site. There are no freshwater wells within one mile

of the Site. The nearest significant water course is Dogie Canyon approxiamately 190 feet to the south. No impact to surface water has been identified. Dogie Canyon is mapped as riverine wetland by the United States Fish and Wildlife National Wetlands Inventory. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, or vegetation that suggest the Site is conducive to shallow groundwater.

The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, or church. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figures 2 and 3.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petrolium Hydrovcarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

Harvest notified the New Mexico Oil and Gas Conservation Commission (NMOCD) of a liner inspection on April 18, 2022. A copy of the notification is included as Appendix A. During the inspection on April 20, 2022, Harvest observed a tear in the liner, and collected a surface soil sample from directly below the tear (sample ID: Bottom). Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B. Concentrations of total TPH exceeded the Table 1 Closure Criteria in sample Bottom, so Harvest removed part of the liner to conduct additional investigation and potential remediation. Harvest removed *de minimis* stained soil that was observed directly below the liner tear.

On May 4, 2022, site assessment activities were conducted by Ensolum personel to evaluate the release extent based on information provided on the Form C-141, visual observations, and soil sampling.One borehole at the source area beneath the area where the liner tear was observed was advanced to 7.5 feet bgs.While hand augering, soil was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) every 2.5 feet bgs. Field screening results were between 9.1 parts per million (ppm) at the surface and 2.3 ppm at 7.5 feet bgs. Two soil samples were collected from the source area, one at 0-0.5 feet bgs (BH01 @ 0--6”), and one at 7.5 feet bgs (BH01 @ 7.5’). The borehole location is depicted on Figure 4.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-MRO following EPA Method 8015M/D; and chloride following EPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for soil samples BH01 @ 0-0.5', and BH01 @ 7.5' collected from the source area, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix C.

CLOSURE REQUEST

Site assessment and soil sampling activities were conducted at the Site to investigate the February 17, 2022, release of produced water. Laboratory analytical results for the soil samples collected from the source area indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Site Closure Criteria beneath the tear in the liner following removal of *de minimis* stained soil. Based on the soil sample analytical results, no further remediation was required, and Harvest respectfully requests closure for Incident Number NAPP2205975241.

If you have any questions or comments, please contact Ms. Brooke Herb at (970) 403-6824 or bherb@ensolum.com.

Sincerely,
Ensolum, LLC

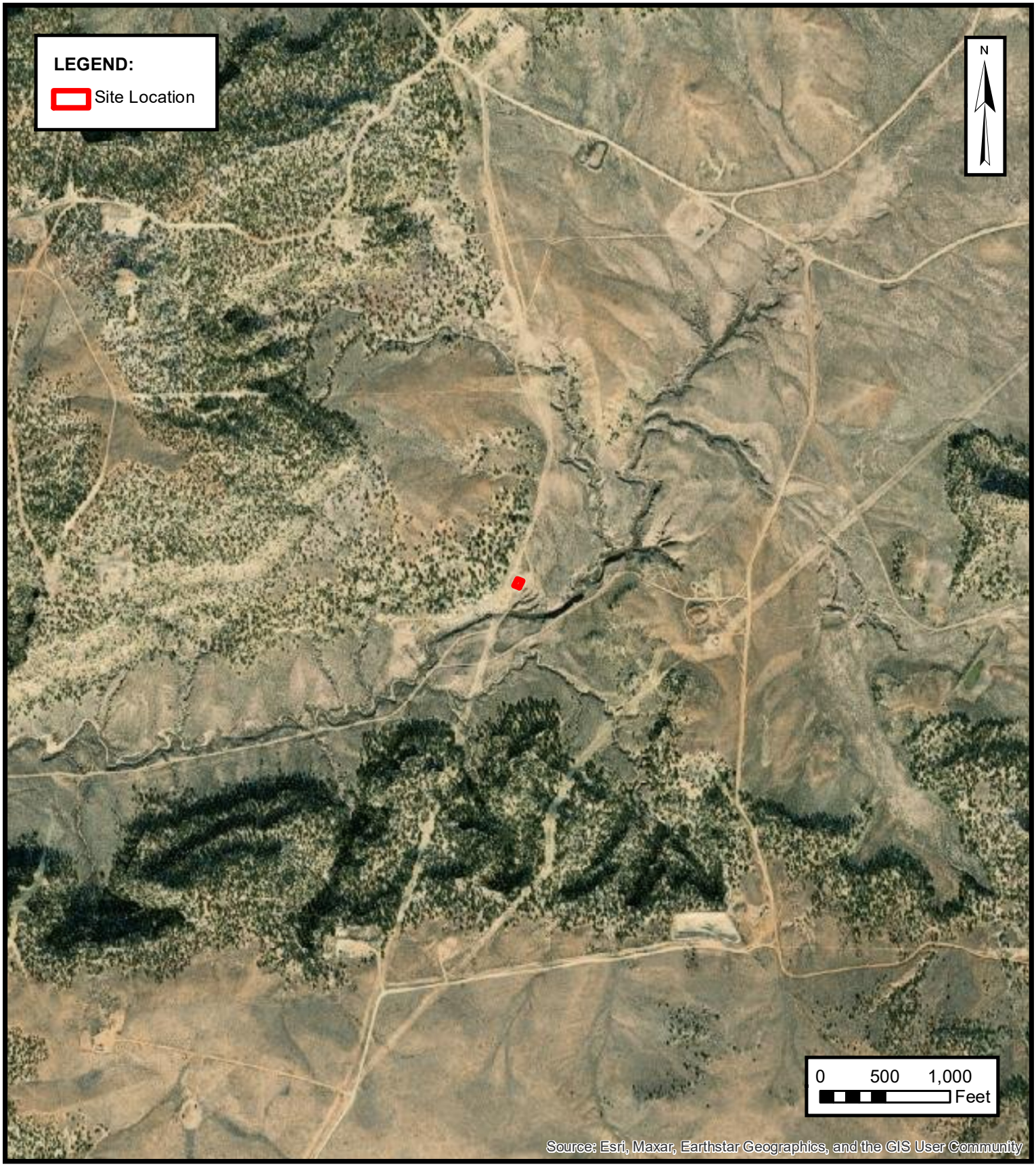
Greg Palese
Field Scientist

Brooke Herb
Senior Scientist

cc: Monica Smith, Harvest
New Mexico State Land Office

Attachments:

Figure 1	Site Location
Figure 2	Site Proximity to Watercourse, Lakebed, Sinkhole, Playa Lake, or Wetland
Figure 3	Site Proximity to Freshwater Wells and Springs
Figure 4	Site Features
Table 1	Soil Sample Analytical Results
Appendix A	NMOCD Liner Inspection Notification
Appendix B	Photographic Log
Appendix C	Laboratory Analytical Reports & Chain-of-Custody Documentation



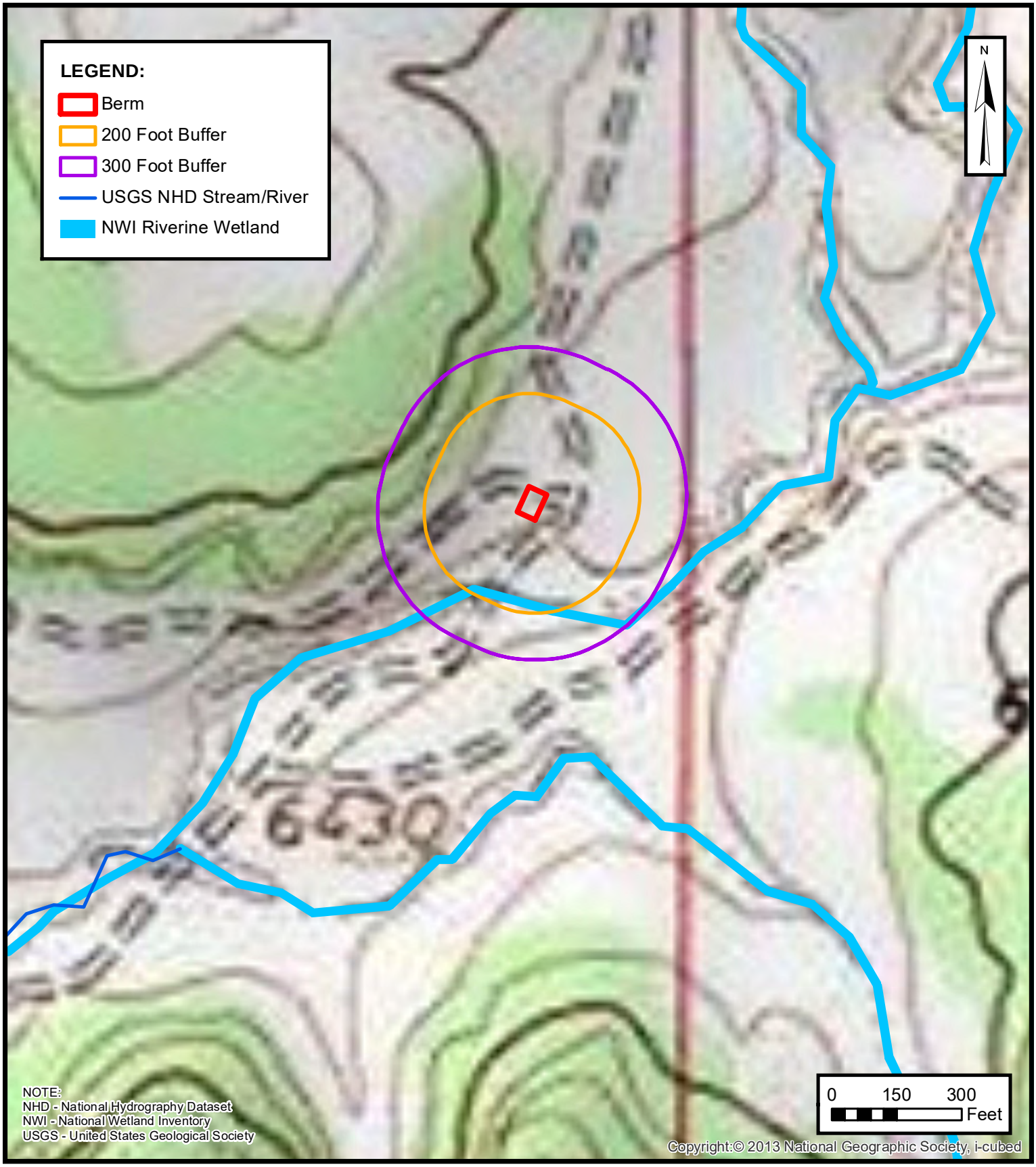
ENSOLUM
Environmental & Hydrogeologic Consultants

SITE LOCATION

HARVEST MIDSTREAM COMPANY
LOWERY TANK BATTERY
Rio Arriba County, New Mexico
36.48421° N, 107.46541° W

PROJECT NUMBER: 07B2002002

FIGURE
1

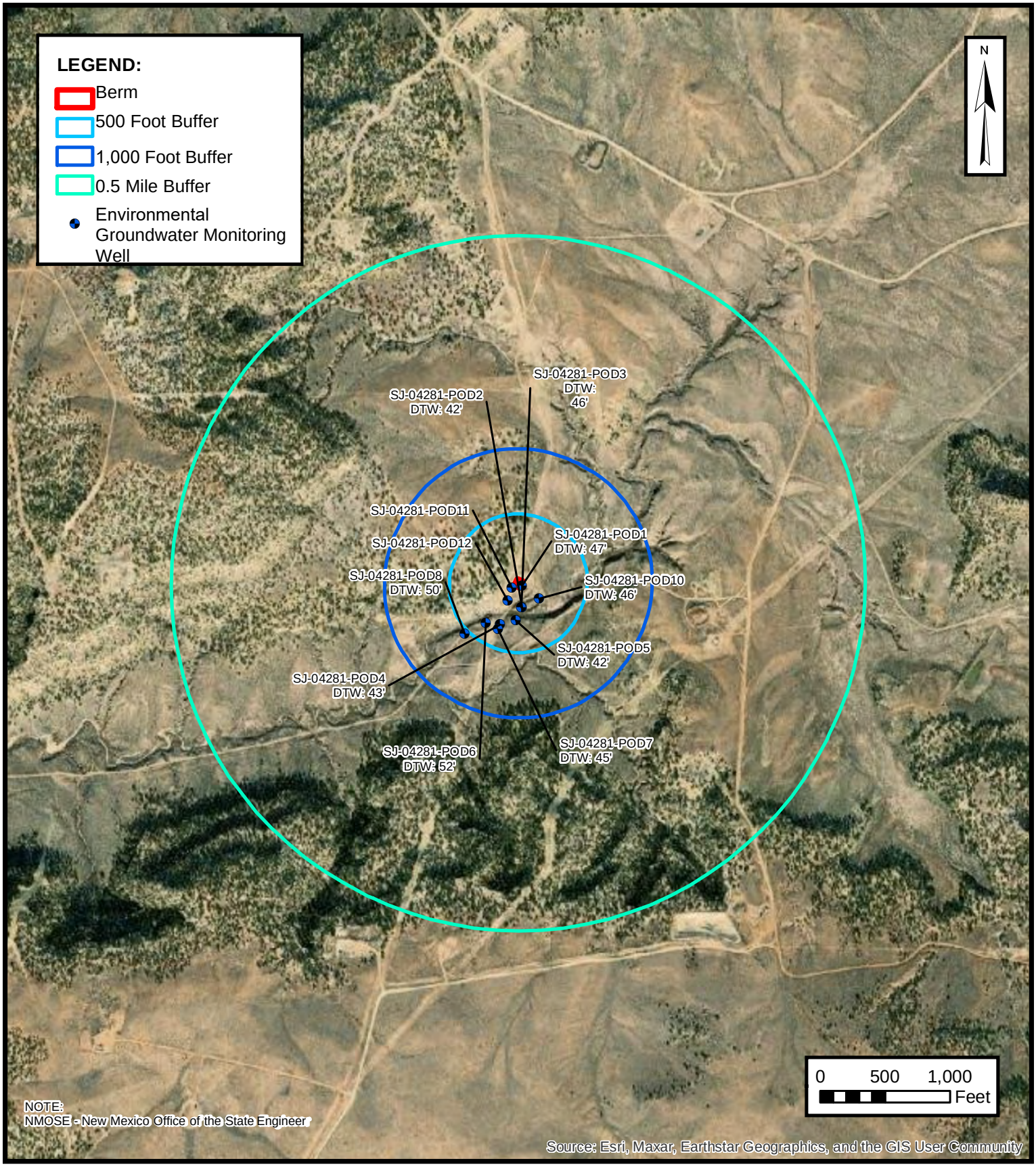


ENSOLUM
Environmental & Hydrogeologic Consultants

SITE PROXIMITY TO WATERCOURSE, LAKEBED, SINKHOLE, PLAYA LAKE, OR WETLAND
HARVEST MIDSTREAM COMPANY
LOWERY TANK BATTERY
Rio Arriba County, New Mexico
36.48421° N, 107.46541° W

PROJECT NUMBER: 07B2002002

FIGURE
2



ENSOLUM
Environmental & Hydrogeologic Consultants

SITE PROXIMITY TO FRESH WATER WELLS AND SPRINGS

HARVEST MIDSTREAM COMPANY
LOWERY TANK BATTERY
Rio Arriba, New Mexico
36.48421° N, 107.46541° W

PROJECT NUMBER: 07B2002002

FIGURE
3

ENSOLUM
Environmental & Hydrogeologic Consultants

SITE FEATURES

HARVEST MIDSTREAM COMPANY
LOWERY TANK BATTERY
Rio Arriba County, New Mexico
36.48421° N, 107.46541° W

PROJECT NUMBER: 07B2002002

FIGURE

4

ENSOLUM

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Harvest Four Corners - Lowery Tank Battery
Rio Arriba, New Mexico

Ensolum Project No. 07B2002002

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	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)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater <50 feet)			**10**	NE	NE	NE	**50**	NE	NE	NE	**100**	**600**
Bottom	4/20/2022	0-0.5	<0.079	<0.16	<0.16	<0.32	<0.32	20	660	190	**870**	<60
BH01	5/4/2022	0-0.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	<60
BH01	5/4/2022	7.50	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<48	<60

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

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

<: indicates result less than the stated laboratory reporting limit (RL)

*Concentrations in **bold** and shaded exceed the New Mexico Oil Conservation Division Table 1 Closure Criteria for Soils Impacted by a Release*

From: Velez, Nelson, EMNRD
To: Monica Smith
Cc: Bratcher, Mike, EMNRD
Subject: RE: [EXTERNAL] Harvest Four Corners, LLC - Tank Liner Inspection Notification
Date: Monday, April 18, 2022 2:26:35 PM

Monica,

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please proceed per 19.15.29 NMAC. For whatever reason, if the liner inspection timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may invalidate the inspection information collected.

Please keep a copy of this communication for inclusion within the final closure report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposal and/or final closure reports.

Correspondence required to be included in reports may include, but not limited to, time extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests.

Thanks again.

Regards

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Monica Smith <msmith@harvestmidstream.com>
Sent: Thursday, April 14, 2022 1:17 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>
Subject: [EXTERNAL] Harvest Four Corners, LLC - Tank Liner Inspection Notification

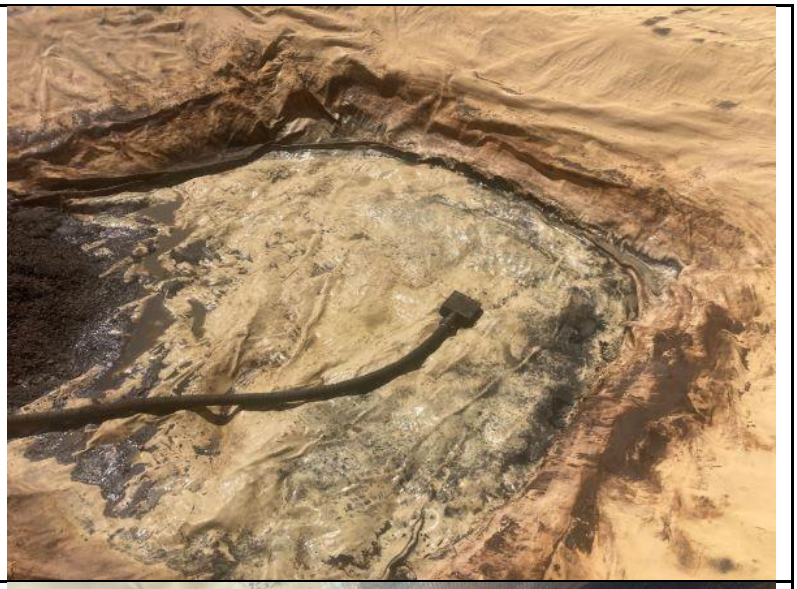
Harvest Four Corners, LLC hereby provides notice of tank liner inspection.

Location: Lowery Tank
Release Identification Number: nAPP2205975241.
GPS Coordinates: 36.48421, -107.46541
Scheduled Start Date/Time: Wednesday April 20, 2022, between 9:30am – 10:00am

Please let me know if you need any additional information.

Thank you,
Monica Smith
Harvest Four Corners, LLC
msmith@harvestmidstream.com
(505) 632-4625 - office
(505) 947-1852 - cell

Photographic Log
Harvest Midstream
Lowery Tank Battery

Photograph 1 View of liquids removal.	
Photograph 2 View of tear in liner.	
Photograph 3 View of initial sample collected by Harvest below the tear.	

Photographic Log
Harvest Midstream
Lowery Tank Battery

Photograph 4 View of area where liner was removed.	
Photograph 5 View of Borehole 01, where samples BH01 @ 0-0.5' and BH01 @ 7.5' were collected.	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 06, 2022

Stanley Dean
Harvest
1755 Arroyo Dr.
Bloomfield, NM 87413
TEL: (505) 632-4475
FAX:

RE: Lowry Drip Tank OrderNo.: 2204987

Dear Stanley Dean:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/22/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2204987**
Date Reported: **5/6/2022**

CLIENT: Harvest
Client Sample ID: Bottom
Project: Lowry Drip Tank
Collection Date: 4/20/2022 3:00:00 PM
Lab ID: 2204987-001 **Matrix:** SOIL **Received Date:** 4/22/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	ND	60		mg/Kg	20	4/22/2022 11:49:12 AM	67018
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
Diesel Range Organics (DRO)	660	9.7		mg/Kg	1	4/22/2022 11:08:25 AM	67010
Motor Oil Range Organics (MRO)	190	48		mg/Kg	1	4/22/2022 11:08:25 AM	67010
Surr: DNOP	96.4	51.1-141		%Rec	1	4/22/2022 11:08:25 AM	67010
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	20	16		mg/Kg	5	4/22/2022 10:17:18 AM	G87443
Surr: BFB	165	37.7-212		%Rec	5	4/22/2022 10:17:18 AM	G87443
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.079		mg/Kg	5	4/22/2022 10:17:18 AM	B87443
Toluene	ND	0.16		mg/Kg	5	4/22/2022 10:17:18 AM	B87443
Ethylbenzene	ND	0.16		mg/Kg	5	4/22/2022 10:17:18 AM	B87443
Xylenes, Total	ND	0.32		mg/Kg	5	4/22/2022 10:17:18 AM	B87443
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	5	4/22/2022 10:17:18 AM	B87443

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204987**

06-May-22

Client: Harvest

Project: Lowry Drip Tank

Sample ID: **MB-67018**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **67018**	RunNo: **87446**
Prep Date: ***4/22/2022***	Analysis Date: ***4/22/2022***	SeqNo: **3094448** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67018**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **67018**	RunNo: **87446**
Prep Date: ***4/22/2022***	Analysis Date: ***4/22/2022***	SeqNo: **3094449** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204987**

06-May-22

Client: Harvest

Project: Lowry Drip Tank

Sample ID: **LCS-67010**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **67010**	RunNo: **87445**
Prep Date: ***4/22/2022***	Analysis Date: ***4/22/2022***	SeqNo: **3093849** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.1	68.9	135			
Surr: DNOP	3.7		5.000		74.5	51.1	141			

Sample ID: **MB-67010**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **67010**	RunNo: **87445**
Prep Date: ***4/22/2022***	Analysis Date: ***4/22/2022***	SeqNo: **3093850** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.0	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204987**

06-May-22

Client: Harvest

Project: Lowry Drip Tank

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G87443**	RunNo: **87443**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094733** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G87443**	RunNo: **87443**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094734** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.5	72.3	137			
Surr: BFB	2000		1000		202	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2204987**

06-May-22

Client: Harvest

Project: Lowry Drip Tank

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B87443**	RunNo: **87443**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094801** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.1	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B87443**	RunNo: **87443**
Prep Date:	Analysis Date: **4/22/2022**	SeqNo: **3094802** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.4	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2204987 | RcptNo: 1

Received By: Tracy Casarrubias 4/22/2022 8:00:00 AM

Completed By: Tracy Casarrubias 4/22/2022 8:14:16 AM

Reviewed By: CM 4/22/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: JN 4/22/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.0	Good	Yes			

Chain-of-Custody Record

Client: Harvest Midstream

Mailing Address: 1755 Arroyo Dr. Bloomfield Nm.

Phone #: 505-634-4953

email or Fax#: Monica Sandoval, Kijan Hong

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☒ Rush Same Day

Project Name: Lowry Drip Tank

Project #:

Project Manager: Stanley Dean

Sampler: Stanley Dean

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.1-0.1=3.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2204987	BTEX (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
4-20-22	3:00Pm	Soil	Bottom	4 oz	Cool	001	X		X					X							

Analysis Request

Date	Time	Relinquished by:	Received by:	Date	Time
4-21-22 ~~4-20-22~~	3:00Pm	Stanley R Dean			
4/21/22	1803			4/22/22	8:00

Received by: Date 4-21-22 Time 11:00Am

Remarks: cc jegraham@harvestmidstream.com
Sdean@harrestmidstream.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 13, 2022

Brooke Herb

Harvest
1755 Arroyo Dr.
Bloomfield, NM 87413
TEL: (505) 632-4475
FAX

RE: Lowery TB OrderNo.: 2205221

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/5/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2205221**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Project: Lowery TB
Lab ID: 2205221-001 **Matrix:** SOIL

Client Sample ID: BH01 0-6"
Collection Date: 5/4/2022 11:00:00 AM
Received Date: 5/5/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	5/5/2022 11:43:20 AM	67282
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/5/2022 11:54:59 AM	67279
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/5/2022 11:54:59 AM	67279
Surr: DNOP	97.8	51.1-141		%Rec	1	5/5/2022 11:54:59 AM	67279
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	5/5/2022 10:12:26 AM	67268
Surr: BFB	103	37.7-212		%Rec	1	5/5/2022 10:12:26 AM	67268
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.017		mg/Kg	1	5/5/2022 10:12:26 AM	67268
Toluene	ND	0.034		mg/Kg	1	5/5/2022 10:12:26 AM	67268
Ethylbenzene	ND	0.034		mg/Kg	1	5/5/2022 10:12:26 AM	67268
Xylenes, Total	ND	0.067		mg/Kg	1	5/5/2022 10:12:26 AM	67268
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/5/2022 10:12:26 AM	67268

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

Qualifiers:

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

Analytical Report
Lab Order **2205221**
Date Reported: **5/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Project: Lowery TB
Lab ID: 2205221-002 **Matrix:** SOIL

Client Sample ID: BH01 7.5'
Collection Date: 5/4/2022 11:15:00 AM
Received Date: 5/5/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		mg/Kg	20	5/5/2022 11:55:44 AM	67282
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/5/2022 12:08:23 PM	67279
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/5/2022 12:08:23 PM	67279
Surr: DNOP	99.8	51.1-141		%Rec	1	5/5/2022 12:08:23 PM	67279
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	5/5/2022 10:35:58 AM	67268
Surr: BFB	102	37.7-212		%Rec	1	5/5/2022 10:35:58 AM	67268
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016		mg/Kg	1	5/5/2022 10:35:58 AM	67268
Toluene	ND	0.033		mg/Kg	1	5/5/2022 10:35:58 AM	67268
Ethylbenzene	ND	0.033		mg/Kg	1	5/5/2022 10:35:58 AM	67268
Xylenes, Total	ND	0.065		mg/Kg	1	5/5/2022 10:35:58 AM	67268
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	5/5/2022 10:35:58 AM	67268

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205221**

13-May-22

Client: Harvest

Project: Lowery TB

Sample ID: **MB-67282**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **67282**	RunNo: **87792**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3110148** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-67282**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **67282**	RunNo: **87792**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3110149** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205221**

13-May-22

Client: Harvest

Project: Lowery TB

Sample ID: **MB-67279**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **67279**	RunNo: **87770**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3108790** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.5	51.1	141			

Sample ID: **LCS-67279**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **67279**	RunNo: **87770**
Prep Date: **5/5/2022**	Analysis Date: **5/5/2022**	SeqNo: **3108791** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.8	68.9	135			
Surr: DNOP	4.7		5.000		94.1	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205221**

13-May-22

Client: Harvest

Project: Lowery TB

Sample ID: **mb-67268**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **67268**	RunNo: **87759**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109013** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	37.7	212			

Sample ID: **lcs-67268**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **67268**	RunNo: **87759**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.2	72.3	137			
Surr: BFB	2000		1000		202	37.7	212			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2205221**

13-May-22

Client: Harvest

Project: Lowery TB

Sample ID: **mb-67268**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **67268**	RunNo: **87759**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109057** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: **LCS-67268**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **67268**	RunNo: **87759**
Prep Date: **5/4/2022**	Analysis Date: **5/5/2022**	SeqNo: **3109058** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.4	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2205221 | RcptNo: 1

Received By: **Tracy Casarrubias** 5/5/2022 7:10:00 AM

Completed By: **Tracy Casarrubias** 5/5/2022 7:46:43 AM

Reviewed By: DAD 5/5/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JM 5/5/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.2	Good	Yes			

Chain-of-Custody Record

Client: Harvest Four Corners

Monica Smith

Mailing Address:

Phone #:

email or Fax#: msmith@harvestmidstream.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time: Same Day

☐ Standard ☒ Rush 24 hr.

Project Name: Lowery TB

Project #:

Project Manager: Brooke Herb

Sampler: Eric C

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.3 - 0.1 = 2.2 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2205221	BTEX / ~~MTBE~~ / ~~TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
5/4	11:00	Soil	BH01 0-6"	1 4oz	Cool	001	X	X					X			
5/4	11:15	Soil	BH01 7.5'	1 4oz	Cool	002	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5/4	1459	Eric Carroll	Mitch Walk		5/4/22	1459
5/4/22	1802	Mitch Walk			5/5/22	7:10

Remarks:

Please cc: Bherb@ensolum.com
ecarroll@ensolum.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 107163

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 107163
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/24/2022