

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-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

- Type of action: [ ] Below grade tank registration
[ ] Permit of a pit or proposed alternative method
BGT1 & BGT2 [X] Closure of a pit, below-grade tank, or proposed alternative method
Closure Reports [ ] Modification to an existing permit/or registration
[ ] Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: Harvest Four Corners OGRID # 373888
Address: 1755 Arroyo Dr., Bloomfield, NM 87413
Facility or well name: 29-6 #2 Compressor Station (BGT 1) Facility File: fCS0000000060
API Number: OCD Permit Number:
U/L or Qtr/Qtr NW/NE(B) Section 10 Township 29N Range 6W County: Rio Arriba
Center of Proposed Design: Latitude 36.745055 Longitude -107.445855NAD83
Surface Owner: [ ] Federal [ ] State [X] Private [ ] Tribal Trust or Indian Allotment

2. [ ] Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: [ ] Drilling [ ] Workover
[ ] Permanent [ ] Emergency [ ] Cavitation [ ] P&A [ ] Multi-Well Fluid Management Low Chloride Drilling Fluid [ ] yes [ ] no
[ ] Lined [ ] Unlined Liner type: Thickness mil [ ] LLDPE [ ] HDPE [ ] PVC [ ] Other
[ ] String-Reinforced
Liner Seams: [ ] Welded [ ] Factory [ ] Other Volume: bbl Dimensions: L x W x D

3. [X] Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 165 bbl Type of fluid: Waste Water
Tank Construction material: metal
[ ] Secondary containment with leak detection [ ] Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
[ ] Visible sidewalls and liner [X] Visible sidewalls only [ ] Other
Liner type: Thickness mil [ ] HDPE [ ] PVC [X] Other Double-Walled Double-Bottomed

4. [ ] Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
[X] Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)
[ ] Four foot height, four strands of barbed wire evenly spaced between one and four feet
[ ] Alternate. Please specify

6.  
**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)  
 Screen  Netting  Other \_\_\_\_\_  
 Monthly inspections (If netting or screening is not physically feasible)

7.  
**Signs:** Subsection C of 19.15.17.11 NMAC  
 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  
 Signed in compliance with 19.15.16.8 NMAC

8.  
**Variations and Exceptions:**  
 Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  
**Please check a box if one or more of the following is requested, if not leave blank:**  
 Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.  
 Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.  
**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC  
*Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.*

<u>General siting</u>	
<b><u>Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.</u></b> - <input type="checkbox"/> NM Office of the State Engineer - iWATERS database search; <input type="checkbox"/> USGS; <input type="checkbox"/> Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
<b><u>Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit .</u></b> NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. <b>(Does not apply to below grade tanks)</b> - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. <b>(Does not apply to below grade tanks)</b> - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. <b>(Does not apply to below grade tanks)</b> - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. <b>(Does not apply to below grade tanks)</b> - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b><u>Below Grade Tanks</u></b>	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b><u>Temporary Pit using Low Chloride Drilling Fluid</u></b> (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No

Within 100 feet of a wetland.  
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes  No

**Temporary Pit Non-low chloride drilling fluid**

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  
 - Topographic map; Visual inspection (certification) of the proposed site  Yes  No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  Yes  No

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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;  
 - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site  Yes  No

Within 300 feet of a wetland.  
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes  No

**Permanent Pit or Multi-Well Fluid Management Pit**

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  
 - Topographic map; Visual inspection (certification) of the proposed site  Yes  No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  Yes  No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.  
 - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site  Yes  No

Within 500 feet of a wetland.  
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site  Yes  No

10.  
**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC  
*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*  
 Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  
 Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  
 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  
 Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

11.  
**Multi-Well Fluid Management Pit Checklist:** Subsection B of 19.15.17.9 NMAC  
*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*  
 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 A List of wells with approved application for permit to drill associated with the pit.  
 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC  
 Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  
 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Previously Approved Design (attach copy of design) API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*

- Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Climatological Factors Assessment
- Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- Quality Control/Quality Assurance Construction and Installation Plan
- Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- Emergency Response Plan
- Oil Field Waste Stream Characterization
- Monitoring and Inspection Plan
- Erosion Control Plan
- Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13. **Proposed Closure:** 19.15.17.13 NMAC

*Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.*

- Type:  Drilling  Workover  Emergency  Cavitation  P&A  Permanent Pit  Below-grade Tank  Multi-well Fluid Management Pit  
 Alternative
- Proposed Closure Method:  Waste Excavation and Removal  
 Waste Removal (Closed-loop systems only)  
 On-site Closure Method (Only for temporary pits and closed-loop systems)  
 In-place Burial  On-site Trench Burial  
 Alternative Closure Method

14. **Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15. **Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

*Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.*

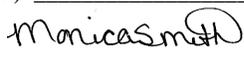
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	<input type="checkbox"/> Yes <input type="checkbox"/> No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

16. **On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17. **Operator Application Certification:**  
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Monica Smith Title: Environmental Specialist  
Signature:  Date: 12/3/2020  
e-mail address: msmith@harvestmidstream.com Telephone: 505-632-4625

18. **OCD Approval:**  Permit Application (including closure plan)  Closure <sup>Report</sup> Plan (only)  OCD Conditions (see attachment)

OCD Representative Signature:  Approval Date: 07/20/2022  
Title: Environmental Specialist-A OCD Permit Number:                      Facility ID: [fCS00000000060]

19. **Closure Report (required within 60 days of closure completion):** 19.15.17.13 NMAC  
*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

Closure Completion Date: July 15, 2020

20. **Closure Method:**  
 Waste Excavation and Removal  On-Site Closure Method  Alternative Closure Method  Waste Removal (Closed-loop systems only)  
 If different from approved plan, please explain.

21. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure for private land only)
- Plot Plan (for on-site closures and temporary pits)
- Confirmation Sampling Analytical Results (if applicable)
- Waste Material Sampling Analytical Results (required for on-site closure)
- Disposal Facility Name and Permit Number *Not Applicable - no soil disposal*
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique *Not Applicable - area reasonably needed for operations*
- Site Reclamation (Photo Documentation) *Not Applicable - area reasonably needed for operations*

On-site Closure Location: Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD:  1927  1983

22.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Monica Smith Title: Environmental Specialist

Signature:  Date: 12/3/2020

e-mail address: msmith@harvestmidstream.com Telephone: 505-632-4625



November 27, 2020

Monica Smith  
Environmental Specialist  
Harvest Four Corners, LLC  
1755 Arroyo Dr.  
Bloomfield, New Mexico 87413

Sent via electronic mail to:  
[msmith@Harvestmidstream.com](mailto:msmith@Harvestmidstream.com)

**RE: Below Grade Tank Closure Report (BGT 1 and BGT 2)  
San Juan 29-6 #2 Compressor Station  
Facility #fCS00000000060  
Rio Arriba County, New Mexico**

Dear Ms. Smith:

Animas Environmental Services, LLC (AES) is pleased to provide the final closure report for two 165-bbl below grade tanks (BGT) under operational control of Harvest Four Corners (Harvest) at the 29-6 #2 Compressor Station (Facility #fCS00000000060), located in Rio Arriba County, New Mexico. Tank removal and closure sampling was completed by Harvest.

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## 1.0 Site Information

### 1.1 Location

Site Name – 29-6 #2 Compressor Station

Facility # – fCS00000000060

Legal Description – NW¼ NE¼, Section 10, T29N, R6W, Rio Arriba County, New Mexico

BGT 1 Latitude/Longitude – N36.745055 and W107.445855, respectively

BGT 2 Latitude/Longitude – N36.745087 and W107.445901, respectively

Land Jurisdiction – Private

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map

624 E. Comanche St.  
Farmington, NM 87401  
505-564-2281  
[www.animasenvironmental.com](http://www.animasenvironmental.com)

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29-6 #2 Compressor Station BGT Closure Report  
November 27, 2020  
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## 1.2 Depth to Groundwater Determination (NMAC 19.15.17.13 Table I)

In accordance with New Mexico Administrative Code (NMAC) 19.15.17.13 Table I (2013), BGT closure criteria are based on the depth to groundwater from the bottom of the BGT:

- **Depth to Groundwater:** Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a site-specific hydrogeology report for the site estimated the depth to groundwater to be greater than 100 feet below ground surface (bgs). No New Mexico Office of the State Engineer (NMOSE) registered water well points of diversion are within one-half mile of the location. Based on insufficient groundwater information, NMOCD is requiring the tanks to be closed at the most stringent criteria.

### **Action levels are:**

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO); and
- 600 mg/kg chloride.

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## 2.0 BGT Closure

In accordance with standard procedures as outlined in the tank closure plans, Harvest removed any liquids and sludge found within the BGTs within 60 days of their ceasing operations. Liquids and sludge were disposed of only at the NMOCD-approved facilities named in the closure plans. Subsequently, Harvest removed the BGTs. All removed Harvest BGTs are properly disposed of, recycled, or reused in an approved manner. All associated equipment was also removed from the location.

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## 3.0 Soil Sampling

On July 29, 2020, in accordance with NMAC 19.15.17.13(3)(a), Harvest personnel collected eight confirmation closure soil samples following an excavation of contaminated soil at the removed BGT footprints and below the BGT liners.

### 3.1 Laboratory Analyses

Soil samples were laboratory analyzed for:

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- BTEX per USEPA Method 8260B Short List;
- TPH for GRO, DRO, MRO per USEPA Method 8015M/D; and
- Chloride per USEPA Method 300.0.

### 3.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1 and presented on Figure 2. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results  
29-6#2 Compressor Station Harvest BGT Closure, July 2020

Sample ID	Date Sampled	Depth (ft)	Benzene (8260) (mg/kg)	Total BTEX (8260) (mg/kg)	TPH-GRO (8015) (mg/kg)	TPH-DRO (8015) (mg/kg)	TPH-MRO (8015) (mg/kg)	Chloride (300.0) (mg/kg)
<i>NMOCD Action Level (NMAC 19.15.17.13 Table 1)</i>			10	50		100		600
North Wall East End	7/29/20	--	<0.021	<0.185	<4.1	<9.7	<48	<61
North Wall West End	7/29/20	--	<0.020	<0.176	<3.9	<9.6	<48	<60
South Wall East End	7/29/20	--	<0.017	<0.156	<3.5	<10	<50	<60
South Wall West End	7/29/20	--	<0.021	<0.188	<4.2	<8.9	<45	<60
West Wall	7/29/20	--	<0.019	<0.172	<3.8	<9.4	<47	<60
East Wall	7/29/20	--	<0.020	<0.180	<4.0	<9.7	<48	<60
Floor East End	7/29/20	--	<0.019	<0.167	<3.7	<8.9	<45	<60
Floor West End	7/29/20	--	<0.020	<0.181	<4.0	<8.7	<44	<60

\*Note – USEPA Method 8015 (TPH) utilized in lieu of USEPA Method 418.1.

## 4.0 Conclusions and Recommendations

### 4.1 Confirmation Sampling

NMOCD action levels for BGT closures are specified in NMAC 19.15.17.13 Table 1 (2013). Laboratory analytical results for benzene and total BTEX concentrations were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. Laboratory analytical results (per USEPA Method 8015) reported GRO, DRO, and MRO below the NMOCD

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action level of 100 mg/kg for depths to groundwater less than 100 feet. Chloride concentrations in all samples were below the NMOCD action level of 600 mg/kg.

#### 4.2 *Revegetation and Site Reclamation*

Because the facility remains in active service, revegetation and site reclamation will not be initiated at this time. When the facility is taken out of service, Harvest will submit a C-144 with revegetation and site reclamation details.

Based on BGT laboratory analytical results for benzene, total BTEX, TPH, and chloride at the location of the removed Harvest BGTs, the site was backfilled with clean soil, and two replacement BGTs installed. No further work is recommended at the 29-6 #2 Compressor Station for these Harvest BGT Closures.

If you have any questions about this report or site conditions, please do not hesitate to contact myself or Karen Lupton at (505) 564-2281.

Sincerely,



David J. Reese  
Environmental Scientist



Elizabeth McNally, P.E.

#### Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Photograph Log
- Proof of Closure Notice
- Hall Analytical Report 2007E96

HarvestMidstream/Shared Documents/San Juan 29-6 #2 BGT Regist & Closure C-144/Closure Report for C-144/San Juan 29-6 #2 BGT Closure Report 112720.docx



Laboratory Analytical Results

Number	Lab Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
<b>NMOC ACTION LEVEL</b>				<b>10</b>	<b>50</b>	<b>100</b>			<b>600</b>
1	North Wall East End	7/29/20	--	<0.021	<0.185	<4.1	<9.7	<48	<61
2	North Wall West End	7/29/20	--	<0.020	<0.176	<3.9	<9.6	<48	<60
3	South Wall East End	7/29/20	--	<0.017	<0.156	<3.5	<10	<50	<60
4	South Wall West End	7/29/20	--	<0.021	<0.188	<4.2	<8.9	<45	<60
5	West Wall	7/29/20	--	<0.019	<0.172	<3.8	<9.4	<47	<60
6	East Wall	7/29/20	--	<0.020	<0.180	<4.0	<9.7	<48	<60
7	Floor East End	7/29/20	--	<0.019	<0.167	<3.7	<8.9	<45	<60
8	Floor West End	7/29/20	--	<0.020	<0.181	<4.0	<8.7	<44	<60

SAMPLES WERE ANALYZED PER USEPA METHOD 8260B, 8015D AND 300.0.

LEGEND

● SAMPLE LOCATIONS



AERIAL SOURCE: © 2019 GOOGLE EARTH PRO, AERIAL DATE: OCTOBER 5, 2016.



**animas environmental services**  
 Farmington, NM • Durango, CO  
 animasenvironmental.com

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> November 16, 2020
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> November 16, 2020
<b>CHECKED BY:</b> D. Reese	<b>DATE CHECKED:</b> November 16, 2020
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> November 16, 2020

**FIGURE 2**

**AERIAL SITE MAP**  
**BELOW GRADE TANK CLOSURE, JULY 2020**  
 HARVEST FOUR CORNERS, LLC  
 SAN JUAN 29-6 #2 COMPRESSOR STATION  
 NW¼ NE¼, SECTION 10, T29N, R6W  
 RIO ARriba COUNTY, NEW MEXICO  
 N36.745059, W107.445854

Photo 1: San Juan 29-6 #2 Compressor Station – BGT 1 on left and BGT 2 on right.



Photo 2: San Juan 29-6 #2 Compressor Station - BGT 2 on left and BGT 1 on right.



**David Reese**

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Wednesday, July 29, 2020 7:28 AM  
**To:** Monica Smith  
**Subject:** RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Monica,

Sorry I didn't respond yesterday was pretty hooked up, I have a sampling in Lybrook at 9AM.. high chance I don't make the sampling at 11..

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Monica Smith <msmith@harvestmidstream.com>  
Sent: Monday, July 27, 2020 3:30 PM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: [EXT] RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Cory,

Morgan just called, and would like to move the sample time to Wednesday at 11am. Due to the rain they are having to dig the area out from rain carry over.

Please let me know if you have any issues.

Thanks, Monica

-----Original Message-----

From: Monica Smith  
Sent: Monday, July 27, 2020 9:28 AM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Cory,

Morgan said Tuesday afternoon 2pm?

Will that work for you?

Thanks, Monica

-----Original Message-----

From: Monica Smith  
Sent: Monday, July 27, 2020 9:19 AM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Cory,

Yes confirmation closure samples.

I am waiting to hear back from Morgan, on Tuesday afternoon or Wednesday morning. Do you know what time Tuesday afternoon you will be available?

Thanks, Monica

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Monday, July 27, 2020 8:54 AM  
To: Monica Smith <msmith@harvestmidstream.com>  
Subject: RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Monica,

So there was a confirmed release(Visually or by samples) and the notice that your giving me is for confirmation closure samples?

If so my Tuesday morning is currently all full the earliest sample time would be Tuesday afternoon, early Wednesday morning (8/9ish)

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Monica Smith <msmith@harvestmidstream.com>  
Sent: Monday, July 27, 2020 8:37 AM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: [EXT] RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Hi Cory,

The tanks were removed on the 22nd, since then stained soil has been removed. Morgan will be sampling, so we can begin back fill and install the new tanks.

Thanks, Monica

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Monday, July 27, 2020 8:33 AM

To: Monica Smith <msmith@harvestmidstream.com>  
Subject: RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Monica,

Wasn't this work done on the 22nd? Why is there additional samples?

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Monica Smith <msmith@harvestmidstream.com>  
Sent: Monday, July 27, 2020 8:30 AM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: [EXT] RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal/ replacement sampling

Cory,

We would like to sample for closure and tank replacement tomorrow Tuesday July 28th at 11 am at 29-6#2 for both tanks.

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

Thank you,

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

-----Original Message-----

From: Monica Smith  
Sent: Tuesday, July 21, 2020 7:26 AM  
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>  
Subject: RE: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal

Hi Cory,

Yes one was approved last week. The first one was approved earlier in the year, submitted by Jim Foster.

Thanks, Monica

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

Sent: Monday, July 20, 2020 2:33 PM  
To: Monica Smith <msmith@harvestmidstream.com>  
Subject: [EXTERNAL] RE: Harvest - 29-6#2 BGT 1&2 removal

Monica,

These were the mod/Closure plans that I approved last week for y'all correct?

Just want to make sure they have approved plans

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Monica Smith <msmith@harvestmidstream.com>  
Sent: Monday, July 20, 2020 9:56 AM  
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
Subject: [EXT] Harvest - 29-6#2 BGT 1&2 removal

Cory,

Please be advised that we will be pulling the two BGT tanks from 29-6#2 on Wednesday July 22nd at 11 am. Removal will take place in order to replace the tanks.

Please let me know if you need any additional information.

Thank you,  
Monica

Sent from my iPhone

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

August 06, 2020

Monica Smith

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: 29-6 2 CDP

OrderNo.: 2007E96

Dear Monica Smith:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/30/2020 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** North Wall East End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 11:25:00 AM

**Lab ID:** 2007E96-001

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	61		mg/Kg	20	7/30/2020 9:27:52 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/30/2020 11:49:59 AM	54064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/30/2020 11:49:59 AM	54064
Surr: DNOP	97.0	30.4-154		%Rec	1	7/30/2020 11:49:59 AM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	7/30/2020 10:25:09 AM	R70748
Surr: BFB	94.7	75.3-105		%Rec	1	7/30/2020 10:25:09 AM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.021		mg/Kg	1	7/30/2020 10:25:09 AM	BS70748
Toluene	ND	0.041		mg/Kg	1	7/30/2020 10:25:09 AM	BS70748
Ethylbenzene	ND	0.041		mg/Kg	1	7/30/2020 10:25:09 AM	BS70748
Xylenes, Total	ND	0.082		mg/Kg	1	7/30/2020 10:25:09 AM	BS70748
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	7/30/2020 10:25:09 AM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** North Wall West End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 11:15:00 AM

**Lab ID:** 2007E96-002

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 9:40:13 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/30/2020 12:14:02 PM	54064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/30/2020 12:14:02 PM	54064
Surr: DNOP	98.2	30.4-154		%Rec	1	7/30/2020 12:14:02 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/30/2020 10:48:47 AM	R70748
Surr: BFB	96.2	75.3-105		%Rec	1	7/30/2020 10:48:47 AM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.020		mg/Kg	1	7/30/2020 10:48:47 AM	BS70748
Toluene	ND	0.039		mg/Kg	1	7/30/2020 10:48:47 AM	BS70748
Ethylbenzene	ND	0.039		mg/Kg	1	7/30/2020 10:48:47 AM	BS70748
Xylenes, Total	ND	0.078		mg/Kg	1	7/30/2020 10:48:47 AM	BS70748
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	7/30/2020 10:48:47 AM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** South Wall East End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 11:45:00 AM

**Lab ID:** 2007E96-003

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 9:52:34 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/30/2020 12:38:18 PM	54064
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/30/2020 12:38:18 PM	54064
Surr: DNOP	93.5	30.4-154		%Rec	1	7/30/2020 12:38:18 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/30/2020 11:12:18 AM	R70748
Surr: BFB	97.0	75.3-105		%Rec	1	7/30/2020 11:12:18 AM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.017		mg/Kg	1	7/30/2020 11:12:18 AM	BS70748
Toluene	ND	0.035		mg/Kg	1	7/30/2020 11:12:18 AM	BS70748
Ethylbenzene	ND	0.035		mg/Kg	1	7/30/2020 11:12:18 AM	BS70748
Xylenes, Total	ND	0.069		mg/Kg	1	7/30/2020 11:12:18 AM	BS70748
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/30/2020 11:12:18 AM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** South Wall West End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 11:35:00 AM

**Lab ID:** 2007E96-004

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 10:04:53 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	7/30/2020 1:02:20 PM	54064
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/30/2020 1:02:20 PM	54064
Surr: DNOP	94.8	30.4-154		%Rec	1	7/30/2020 1:02:20 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	7/30/2020 11:35:47 AM	R70748
Surr: BFB	96.4	75.3-105		%Rec	1	7/30/2020 11:35:47 AM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.021		mg/Kg	1	7/30/2020 11:35:47 AM	BS70748
Toluene	ND	0.042		mg/Kg	1	7/30/2020 11:35:47 AM	BS70748
Ethylbenzene	ND	0.042		mg/Kg	1	7/30/2020 11:35:47 AM	BS70748
Xylenes, Total	ND	0.083		mg/Kg	1	7/30/2020 11:35:47 AM	BS70748
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	7/30/2020 11:35:47 AM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** West Wall

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 12:00:00 PM

**Lab ID:** 2007E96-005

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 10:17:14 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/30/2020 1:26:34 PM	54064
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/30/2020 1:26:34 PM	54064
Surr: DNOP	91.9	30.4-154		%Rec	1	7/30/2020 1:26:34 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/30/2020 11:59:21 AM	R70748
Surr: BFB	96.2	75.3-105		%Rec	1	7/30/2020 11:59:21 AM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.019		mg/Kg	1	7/30/2020 11:59:21 AM	BS70748
Toluene	ND	0.038		mg/Kg	1	7/30/2020 11:59:21 AM	BS70748
Ethylbenzene	ND	0.038		mg/Kg	1	7/30/2020 11:59:21 AM	BS70748
Xylenes, Total	ND	0.077		mg/Kg	1	7/30/2020 11:59:21 AM	BS70748
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/30/2020 11:59:21 AM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** East Wall

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 11:55:00 AM

**Lab ID:** 2007E96-006

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 10:54:15 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/30/2020 1:50:36 PM	54064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/30/2020 1:50:36 PM	54064
Surr: DNOP	89.8	30.4-154		%Rec	1	7/30/2020 1:50:36 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/30/2020 12:22:54 PM	R70748
Surr: BFB	95.8	75.3-105		%Rec	1	7/30/2020 12:22:54 PM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.020		mg/Kg	1	7/30/2020 12:22:54 PM	BS70748
Toluene	ND	0.040		mg/Kg	1	7/30/2020 12:22:54 PM	BS70748
Ethylbenzene	ND	0.040		mg/Kg	1	7/30/2020 12:22:54 PM	BS70748
Xylenes, Total	ND	0.080		mg/Kg	1	7/30/2020 12:22:54 PM	BS70748
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/30/2020 12:22:54 PM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Floor East End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 12:20:00 PM

**Lab ID:** 2007E96-007

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 11:06:35 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	7/30/2020 2:14:55 PM	54064
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/30/2020 2:14:55 PM	54064
Surr: DNOP	94.6	30.4-154		%Rec	1	7/30/2020 2:14:55 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/30/2020 12:46:27 PM	R70748
Surr: BFB	95.1	75.3-105		%Rec	1	7/30/2020 12:46:27 PM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.019		mg/Kg	1	7/30/2020 12:46:27 PM	BS70748
Toluene	ND	0.037		mg/Kg	1	7/30/2020 12:46:27 PM	BS70748
Ethylbenzene	ND	0.037		mg/Kg	1	7/30/2020 12:46:27 PM	BS70748
Xylenes, Total	ND	0.074		mg/Kg	1	7/30/2020 12:46:27 PM	BS70748
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	7/30/2020 12:46:27 PM	BS70748

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

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

**Analytical Report**

Lab Order **2007E96**

Date Reported: **8/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Floor West End

**Project:** 29-6 2 CDP

**Collection Date:** 7/29/2020 12:10:00 PM

**Lab ID:** 2007E96-008

**Matrix:** SOIL

**Received Date:** 7/30/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/30/2020 11:18:55 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/30/2020 2:39:06 PM	54064
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/30/2020 2:39:06 PM	54064
Surr: DNOP	93.6	30.4-154		%Rec	1	7/30/2020 2:39:06 PM	54064
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/30/2020 1:10:00 PM	R70748
Surr: BFB	96.6	75.3-105		%Rec	1	7/30/2020 1:10:00 PM	R70748
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.020		mg/Kg	1	7/30/2020 1:10:00 PM	BS70748
Toluene	ND	0.040		mg/Kg	1	7/30/2020 1:10:00 PM	BS70748
Ethylbenzene	ND	0.040		mg/Kg	1	7/30/2020 1:10:00 PM	BS70748
Xylenes, Total	ND	0.081		mg/Kg	1	7/30/2020 1:10:00 PM	BS70748
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	7/30/2020 1:10:00 PM	BS70748

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007E96

06-Aug-20

**Client:** Harvest  
**Project:** 29-6 2 CDP

Sample ID: <b>MB-54076</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>54076</b>	RunNo: <b>70743</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461887</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-54076</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>54076</b>	RunNo: <b>70743</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461888</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007E96

06-Aug-20

**Client:** Harvest  
**Project:** 29-6 2 CDP

Sample ID: <b>LCS-54064</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>54064</b>	RunNo: <b>70721</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461179</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	70	130			
Surr: DNOP	4.7		5.000		93.4	30.4	154			

Sample ID: <b>MB-54064</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>54064</b>	RunNo: <b>70721</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461181</b>	Units: <b>mg/Kg</b>							
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		96.3	30.4	154			

Sample ID: <b>LCS-54043</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>54043</b>	RunNo: <b>70757</b>								
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462544</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		79.6	30.4	154			

Sample ID: <b>MB-54043</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>54043</b>	RunNo: <b>70757</b>								
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462545</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		114	30.4	154			

**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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2007E96

06-Aug-20

**Client:** Harvest  
**Project:** 29-6 2 CDP

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R70748</b>	RunNo: <b>70748</b>								
Prep Date:	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462171</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	72.5	106			
Surr: BFB	1100		1000		109	75.3	105			S

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R70748</b>	RunNo: <b>70748</b>								
Prep Date:	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462200</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.9	75.3	105			

Sample ID: <b>2007e96-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>North Wall East End</b>	Batch ID: <b>R70748</b>	RunNo: <b>70754</b>								
Prep Date:	Analysis Date: <b>7/31/2020</b>	SeqNo: <b>2462800</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.1	20.52	0	95.0	61.3	114			
Surr: BFB	910		821.0		111	75.3	105			S

Sample ID: <b>2007e96-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>North Wall East End</b>	Batch ID: <b>R70748</b>	RunNo: <b>70754</b>								
Prep Date:	Analysis Date: <b>7/31/2020</b>	SeqNo: <b>2462801</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.1	20.52	0	96.4	61.3	114	6.47	20	
Surr: BFB	920		821.0		112	75.3	105	0	0	S

**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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2007E96

06-Aug-20

**Client:** Harvest  
**Project:** 29-6 2 CDP

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>BS70748</b>	RunNo: <b>70748</b>								
Prep Date:	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462232</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	81.6	80	120			
Toluene	0.83	0.050	1.000	0	83.4	80	120			
Ethylbenzene	0.83	0.050	1.000	0	82.6	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>BS70748</b>	RunNo: <b>70748</b>								
Prep Date:	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2462258</b>	Units: <b>mg/Kg</b>							
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		99.6	80	120			

Sample ID: <b>2007e96-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>North Wall West En</b>	Batch ID: <b>BS70748</b>	RunNo: <b>70754</b>								
Prep Date:	Analysis Date: <b>7/31/2020</b>	SeqNo: <b>2462899</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.72	0.020	0.7849	0	92.2	76.3	120			
Toluene	0.73	0.039	0.7849	0	93.4	78.5	120			
Ethylbenzene	0.75	0.039	0.7849	0	95.1	78.1	124			
Xylenes, Total	2.3	0.078	2.355	0	96.4	79.3	125			
Surr: 4-Bromofluorobenzene	0.85		0.7849		108	80	120			

Sample ID: <b>2007e96-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>North Wall West En</b>	Batch ID: <b>BS70748</b>	RunNo: <b>70754</b>								
Prep Date:	Analysis Date: <b>7/31/2020</b>	SeqNo: <b>2462900</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.70	0.020	0.7849	0	89.4	76.3	120	1.99	20	
Toluene	0.71	0.039	0.7849	0	91.1	78.5	120	3.55	20	
Ethylbenzene	0.73	0.039	0.7849	0	92.7	78.1	124	7.93	20	
Xylenes, Total	2.2	0.078	2.355	0	95.1	79.3	125	8.54	20	
Surr: 4-Bromofluorobenzene	0.86		0.7849		109	80	120	0	0	

**Qualifiers:**

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



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

# Sample Log-In Check List

Client Name: **Harvest** Work Order Number: **2007E96** RoptNo: 1

Received By: **Cheyenne Cason** 7/30/2020 8:00:00 AM

Completed By: **Emily Mocho** 7/30/2020 8:10:42 AM

Reviewed By: **DAD 7/30/20**

### 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? Yes  No   
 (Note discrepancies on chain of custody)
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? Yes  No   
 (If no, notify customer for authorization.)

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

Adjusted? \_\_\_\_\_

Checked by: SPA 7.30.20

### Special Handling (if applicable)

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

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	2.3	Good	Not Present			

### Chain-of-Custody Record

Client: Harvest Midstream  
 Mailing Address: 1755 ARROYO DR  
Bloom Field Nm 87413  
 Phone #: 505-632-4625  
 email or Fax#: M.Smith@HarvestMidstNm.co  
 QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation  
 NELAP  Other \_\_\_\_\_  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: Results by 3pm  
 Standard  Rush 7/31/2020  
 Project Name: 29-6 #2 COP  
 Project #: \_\_\_\_\_  
 Project Manager: Monica Smith  
 Sampler: Morgan Killion  
 On Ice:  Yes  No  
 Sample Temperature: 23.40 = 23

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
7/29/20	1125	soil	North wall East End	1-402	Cool	-001
7/29/20	1115	soil	North wall West End	1-402		-002
7/29/20	1145	soil	South wall East End	1-402		-003
7/29/20	1135	soil	South wall West End	1-402		-004
7/29/20	1200	soil	West wall	1-402		-005
7/29/20	1155	soil	East wall	1-407		-006
7/29/20	1220	soil	Floor East End	1-402		-007
7/29/20	1210	soil	Floor West End	1-402		-008

Date: 7/29/20 Time: 1523 Relinquished by: Morgan Killion  
 Date: 7/29/20 Time: 1757 Relinquished by: Michelle Wake  
 Received by: Michelle Wake Date: 7/29/20 Time: 1533  
 Received by: Eric Lauer Date: 7/30/20 Time: 0800

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

#### Analysis Request

BTEX + MTBE + TMBs (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, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Allyl chloride	Air Bubbles (Y or N)
X		X									X	
X		X									X	
X		X									X	
X		X									X	
X		X									X	
X		X									X	
X		X									X	
X		X									X	

Remarks: CC Morgan Killion @ Yahoo.com

**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 11414

**CONDITIONS**

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 11414
	Action Type: [C-144] PIT Generic Plan (C-144)

**CONDITIONS**

Created By	Condition	Condition Date
jburdine	None	7/20/2022