

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	nAPP2310400709
District RP	
Facility ID	fGP00000000034
Application ID	

## Release Notification

### Responsible Party

Responsible Party Harvest Four Corners, LLC	OGRID 373888
Contact Name Jennifer Deal	Contact Telephone 505-324-5128
Contact email jdeal@harvestmidstream.com	Incident # (assigned by OCD)
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	

### Location of Release Source

Latitude 36.735270 Longitude -107.941530  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Milagro Gas Plant	Site Type Gas Plant
Date Release Discovered 4/1/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	12	29N	11W	San Juan

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Harvest Four Corners, LLC)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 350 GAL Glycol	Volume/Weight Recovered (provide units)


Cause of Release Train 5 west Glycol pump discharge hose ruptured causing the 350 gal release. They isolated the pump and swapped over to the east pump.

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Jennifer Deal</u>	Title: <u>EH&amp;S Specialist</u>
Signature: <u></u>	Date: <u>4/6/2023</u>
email: <u>jdeal@harvestmidstream.com</u>	Telephone: <u>505-324-5128</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/14/2023</u>

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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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


State of New Mexico  
Oil Conservation Division

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

Printed Name: Jennifer Deal Title: Environmental Specialist

Signature:  Date: 6/30/2023

email: Jdeal@harvestmidstream.com Telephone: 505-324-5128

**OCD Only**

Received by: Shelly Wells Date: 6/30/2023



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## Remediation Plan

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

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

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

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

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

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

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

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

Incident ID	
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## Closure

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

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

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

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

Printed Name: Jennifer Deal Title: Environmental Specialist

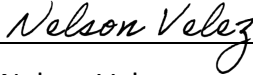
Signature:  Date: 6/30/2023

email: Jdeal@harvestmidstream.com Telephone: 505-324-5128

**OCD Only**

Received by: Shelly Wells Date: 6/30/2023

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

Closure Approved by:  Date: 09/25/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv



June 28, 2023

**New Mexico Oil Conservation Division**

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

**Re: Closure Request**

Milagro Gas Plant  
San Juan County, New Mexico  
Harvest Four Corners, LLC  
NMOCD Incident No: nAPP2310400709

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents the following *Closure Request* detailing soil sampling and delineation activities for a release at the Milagro Gas Plant (Site). The Site is located on private land, located in Unit O, Section 12, Township 29 North, Range 11 West, in San Juan County, New Mexico (Figure 1). The purpose of the soil sampling and delineation activities was to confirm the presence or absence of impacts to soil following a release of glycol at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, Harvest is submitting this *Closure Request* for the release at the Site.

## RELEASE BACKGROUND

On April 1, 2023, a discharge hose ruptured on the Train 5 west glycol pump, causing a release of glycol into the concrete secondary containment. Approximately 350 gallons (gal) of glycol liquid was released into the containment and a small amount spilled onto the surrounding ground surface, which is comprised of structural fill and crushed aggregate. Upon discovery of the release, the pump was immediately isolated and switched over to the east pump to stop any further liquid release. Emergency response activities began immediately, including removal of glycol liquid from the containment with a vac truck and hand excavation of surface soils outside of containment. Approximately 1 cubic yard of soil was excavated by hand and disposed of at a licensed disposal facility.

An initial Release Notification and Corrective Action Form C-141 (Form C-141) was submitted to the NMOCD on April 6, 2023, and has been updated and included with this report. The release was assigned Incident Number nAPP2310400709.

## SITE DESCRIPTION AND CLOSURE CRITERIA

Ensolum characterized the Site to determine applicability of 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). Depth to groundwater at the Site is estimated to be between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of

State Engineer (NMOSE) well SJ 03023, a monitoring well, which is located approximately 3,375 feet southeast of the Site. This groundwater monitoring well has a depth to groundwater of approximately 65 feet bgs. Ground surface elevation at the groundwater well location is approximately 5,653 feet above mean sea level (amsl), which is approximately 54 feet lower in elevation than the Site.

The closest significant watercourse to the Site is an unnamed dry wash, located approximately 850 feet to the West of the Site. 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, church, or wetland. 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 located in a low potential karst area. Figure 1 shows the Site in relation to the above potential receptors.

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 petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 2,500 mg/kg
- GRO and DRO: 1,000 mg/kg
- Chloride 10,000 mg/kg

NMOCD does not have a published Closure Criteria specifically for glycol. The EPAs Resident Soil Regional Screening Level (RSL) for glycol Noncancer Child Hazard Index for ingestion is included below as a reference.

- Glycol: 130,000 mg/kg

## SOIL SAMPLING AND ANALYTICAL RESULTS

Harvest personnel removed approximately 6 inches of impacted material immediately after the release occurred. The impacted area was approximately 4 feet by 10 feet and surrounded the containment. Due to heavy density of existing above- and below-ground active infrastructure, as well as the composition of the subsurface material, soil removal was limited to manual excavation with shovels. Approximately 1 cubic yard of material was removed and disposed at a licensed disposal facility.

On May 9, 2023, Ensolum was onsite for a liner integrity inspection and confirmation soil sampling. At the time of the inspection, the glycol had been removed from the concrete containment with a vac truck and was empty at the time of inspection. No cracks or other damage was identified. Ensolum collected a five-point composite soil sample (SS01) from the excavation floor to assess the presence or absence of residual soil impacts following the initial hand-excavation activities. Figure 2 depicts the excavation extent and confirmation soil sample location. A photographic log is included as Appendix B.

Confirmation soil sample SS01 was 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 hand delivered under strict chain-of-custody procedures to a Hall Environmental Analysis Laboratory (Hall) courier in Albuquerque, New Mexico for the following analysis:

- BTEX following United States Environmental Protection Agency (EPA) Method 8021B
- TPH-GRO, TPH-DRO, and TPH-MRO following EPA Method 8015M/D
- Semi-volatile organic compounds (SVOC) GLYCOL-SOIL following EPA Method 8015

Analytical results from sample SS01 detected TPH-DRO and TPH-MRO at concentrations below the Closure Criteria. Additionally, triethylene glycol was detected at concentrations below the Resident Soil RSL. Analytical results are summarized in Table 1 and laboratory analytical reports and chain-of-custody documentation for the initial soil samples are included as Appendix C.

## CLOSURE REQUEST

Following the glycol release, Harvest manually excavated approximately 1 cubic yard of impacted soil and recovered the remaining glycol fluid from the concrete containment. Laboratory analytical results for the excavation soil sample, collected from the final excavation extent, indicated all constituents of concern concentrations were compliant with the NMOCD Closure Criteria and glycol concentration was below the Resident Soil RSL. Based on the soil sample analytical results, no further remediation was required.

Based on the results presented in this report, Ensolum and Harvest do not believe the release of glycol resulted in imminent risk to human health, the environment, or groundwater. Confirmation sampling from the excavation indicated that all impacted soil was removed from the Site in accordance with all applicable regulations. Accordingly, Harvest respectfully requests closure for Incident Number nAPP2310400709. The final C-141 is included as a cover to this report.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

**Ensolum, LLC**



Wesley Weichert, PG  
Project Geologist  
(816) 266-8732  
wwichert@ensolum.com



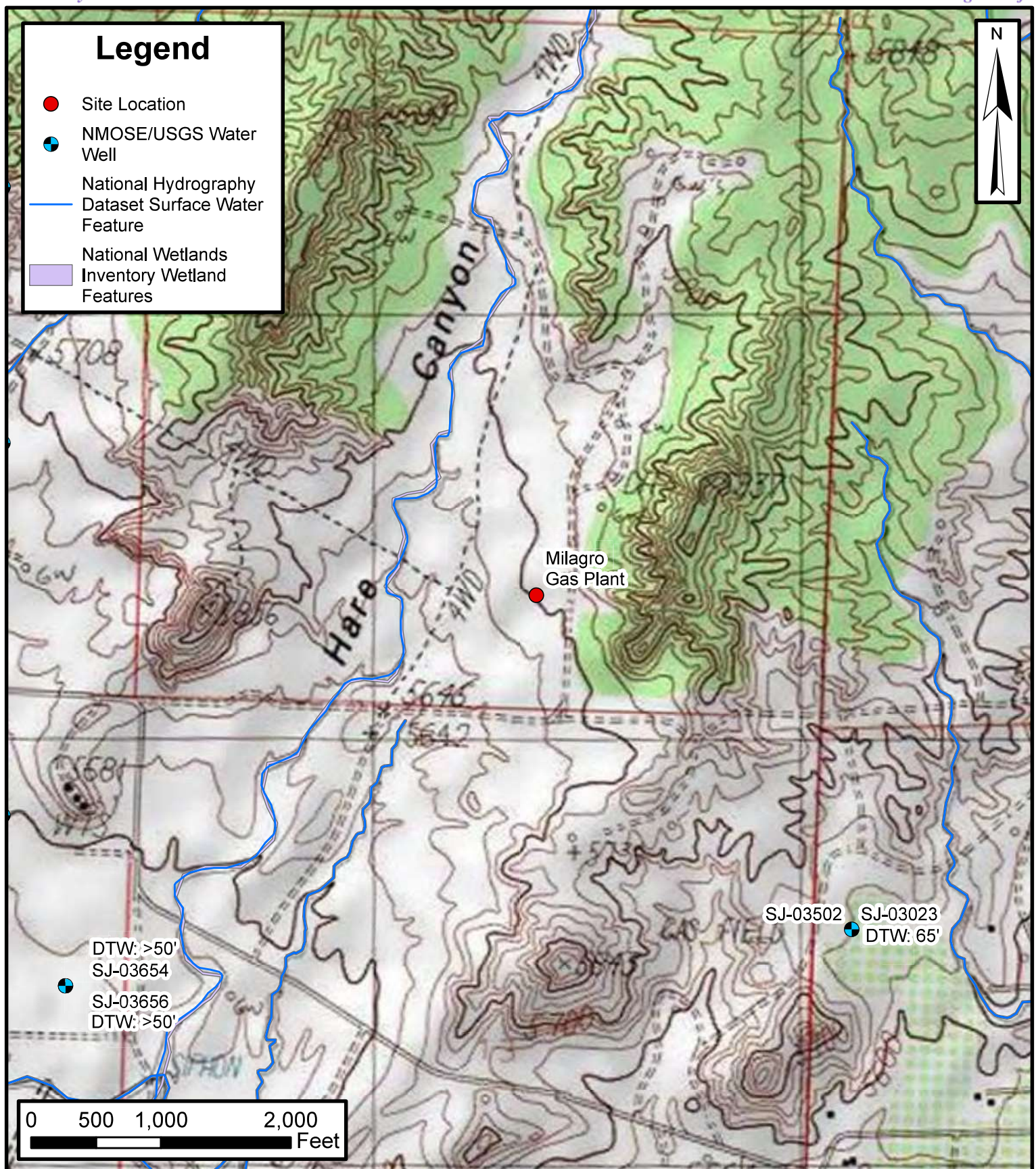
Brooke Herb  
Senior Geologist  
(970) 403-6824  
bherb@ensolum.com

cc: Jennifer Deal, Harvest Four Corners, LLC

### Attachments:

- Figure 1: Site Location Map  
Figure 2: Soil Sample Location Map  
  
Table 1: Confirmation Soil Sample Analytical Results  
  
Appendix A: NMOSE Correspondence  
Appendix B: Photographic Log  
Appendix C: Laboratory Analytical Report





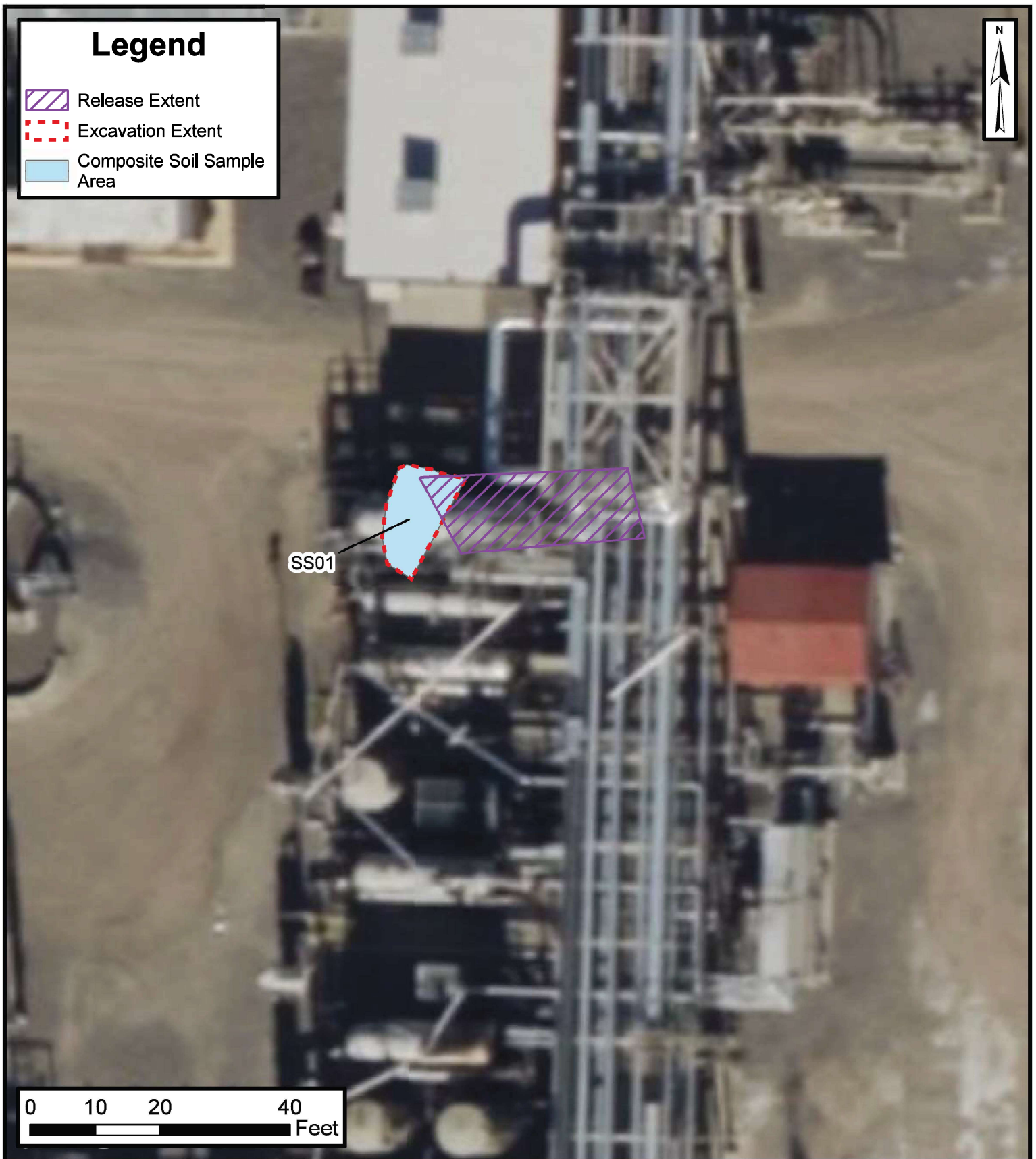
## Site Receptor Map

Milagro Gas Plant  
Harvest Four Corners, LLC  
36.735270, -107.941530  
San Juan County, New Mexico

FIGURE  
1







## Soil Sample Location Map

Milagro Gas Plant  
Harvest Four Corners, LLC  
36.735270, -107.941530  
San Juan County, New Mexico

FIGURE  
**2**

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Milagro Gas Plant Glycol Release  
 Harvest Four Corners, LLC  
 San Juan County, New Mexico

Sample Designation	Date	Depth (feet)	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 (mg/kg)	Chloride	Glycol (mg/kg)
NMOCD Closure Criteria for Soils Impacted by a Release (Groundwater 50 -100 feet bgs)			10	NE	NE	NE	50	1,000		NE	2,500	10,000	NE
EPAs Resident Soil Regional Screening Level			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	130,000
SS01	5/9/2023	0.5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	150	64	214.0	<60	1,640

**Notes:**

*bgs: below ground surface*

*BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes*

*DRO: Diesel Range Organics*

*EPA: Environmental Protection Agency*

*GRO: Gasoline Range Organics*

*mg/kg: milligrams per kilogram*

*MRO: Motor Oil/Lube Oil Range Organics*

*NE: Not Established*

*NMOCD: New Mexico Oil Conservation Division*

*TPH: Total Petroleum Hydrocarbon*

*<0.037: indicates result less than the stated laboratory reporting limit (RL)*



**From:** [Enviro, OCD, EMNRD](#)  
**To:** [Brooke Herb](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Velez, Nelson, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Sampling and liner Inspection notification - nAPP2310400709  
**Date:** Friday, May 5, 2023 12:02:02 PM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Brooke,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



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**From:** Brooke Herb <bherb@ensolum.com>  
**Sent:** Friday, May 5, 2023 11:24 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>  
**Cc:** Jennifer Deal <jdeal@harvestmidstream.com>; Danny Burns <dburns@ensolum.com>  
**Subject:** [EXTERNAL] Sampling and liner Inspection notification - nAPP2310400709

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

Ensolum, on behalf of Harvest Four Corners, is submitting this notification to preform a liner inspection and soil sampling at the Milagro Gas Plant (Facility ID: fGP00000000034) for incident number nAPP2310400709 on May 9<sup>th</sup> 2023, at 11:30AM.

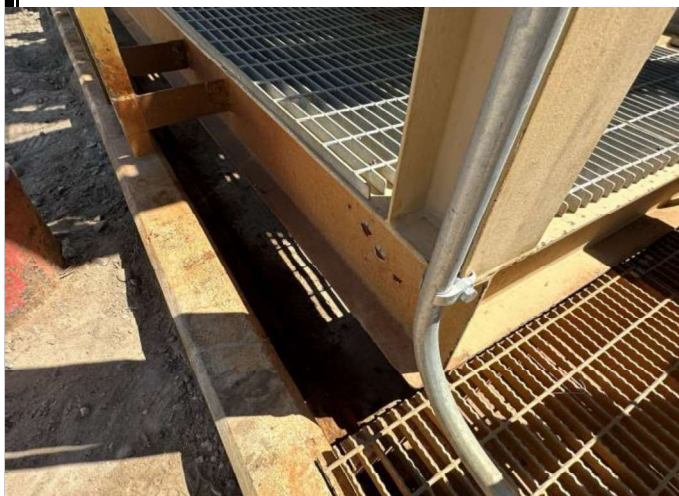
Thank you,  
Brooke Herb

**Photographic Log**

Harvest Four Corners, LLC

Milagro Gas Plant

nAPP2310400709

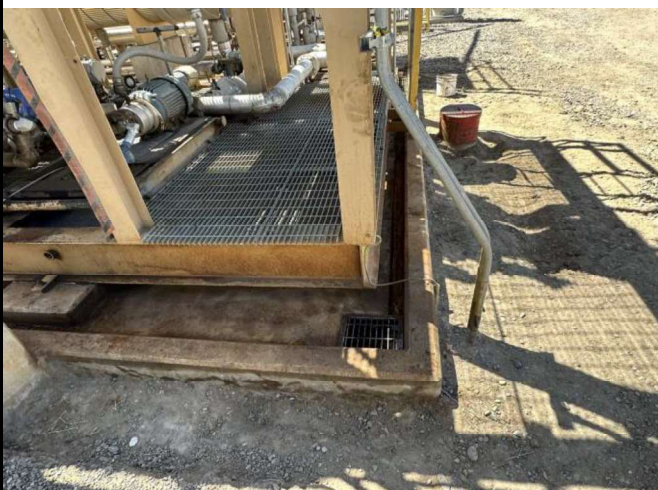


Photograph 1

Date: 6/16/2023

Description: Secondary containment

View: Looking Northeast

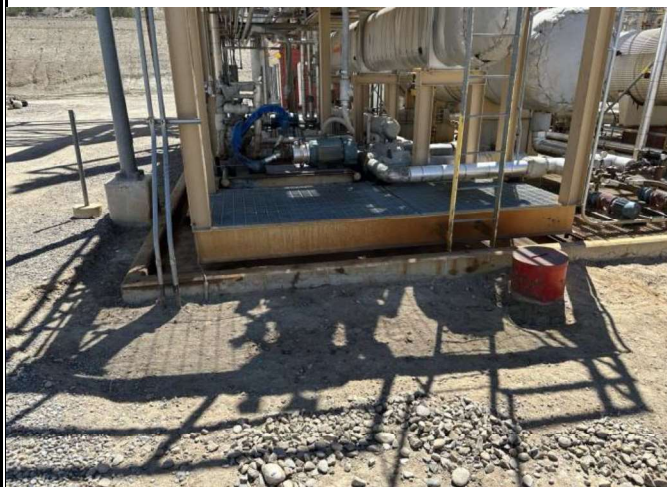


Photograph 2

Date: 6/16/2023

Description: Excavation around secondary containment

View: Looking South

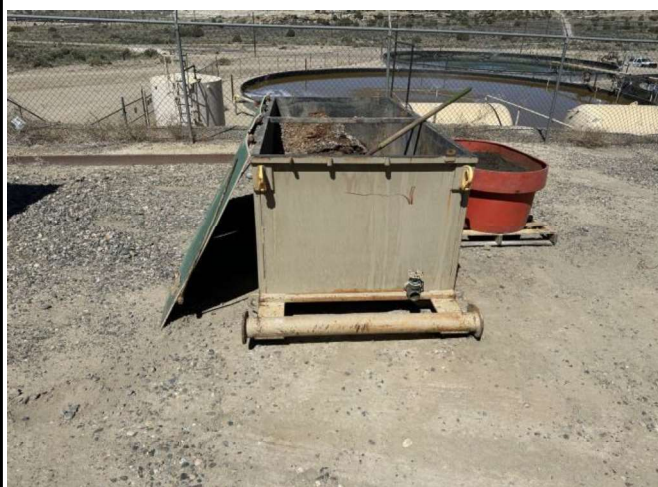


Photograph 3

Date: 6/16/2023

Description: Excavation around secondary containment

View: Looking East



Photograph 4

Date: 6/16/2023

Description: Containerized impacted soil

View: Looking West



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

May 24, 2023

Danny Burns

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Milagro Gas Plant Glycol Release

OrderNo.: 2305714

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/11/2023 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 light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2305714

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: SS01

Project: Milagro Gas Plant Glycol Release

Collection Date: 5/9/2023 11:30:00 AM

Lab ID: 2305714-001

Matrix: SOIL

Received Date: 5/11/2023 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60	H	mg/Kg	20	6/29/2023 11:51:43 AM	75916
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: PRD
Diesel Range Organics (DRO)	150	9.7		mg/Kg	1	5/17/2023 9:25:42 PM	74973
Motor Oil Range Organics (MRO)	64	48		mg/Kg	1	5/17/2023 9:25:42 PM	74973
Surr: DNOP	110	69-147		%Rec	1	5/17/2023 9:25:42 PM	74973
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2023 9:01:00 PM	74959
Surr: BFB	86.6	15-244		%Rec	1	5/17/2023 9:01:00 PM	74959
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	5/17/2023 9:01:00 PM	74959
Toluene	ND	0.048		mg/Kg	1	5/17/2023 9:01:00 PM	74959
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2023 9:01:00 PM	74959
Xylenes, Total	ND	0.095		mg/Kg	1	5/17/2023 9:01:00 PM	74959
Surr: 4-Bromofluorobenzene	82.8	39.1-146		%Rec	1	5/17/2023 9:01:00 PM	74959

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	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 1 of 0





## ANALYTICAL REPORT

May 23, 2023

**Hall Environmental Analysis Laboratory**

Sample Delivery Group: L1616839

Samples Received: 05/16/2023

Project Number:

Description:

Report To: Andy Freeman  
4901 Hawkins NE  
Albuquerque, NM 87109

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "John V. Hawkins".

John Hawkins  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

Cp: Cover Page	1	<sup>1</sup> Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	<sup>2</sup> Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	<sup>3</sup> Ss
2305714-001B SS01 L1616839-01	5	<sup>4</sup> Cn
Qc: Quality Control Summary	6	<sup>5</sup> Sr
SVOC-GC-GLYCOLS-SOIL by Method 8015	6	
Gl: Glossary of Terms	7	<sup>6</sup> Qc
Al: Accreditations & Locations	8	<sup>7</sup> Gl
Sc: Sample Chain of Custody	9	<sup>8</sup> Al
		<sup>9</sup> Sc

SAMPLE SUMMARY

2305714-001B SS01 L1616839-01 Solid

Collected by  
Collected date/time  
Received date/time

05/09/23 11:30  
05/16/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
SVOC-GC-GLYCOLS-SOIL by Method 8015	WG2063157	1	05/20/23 08:41	05/22/23 14:45	JDG	Mt. Juliet, TN
SVOC-GC-GLYCOLS-SOIL by Method 8015	WG2063157	50	05/20/23 08:41	05/22/23 21:48	DMG	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



John Hawkins  
Project Manager





SVOC-GC-GLYCOLS-SOIL by Method 8015

Analyte	Result mg/kg	Qualifier	RDL mg/kg	Dilution	Analysis date / time	Batch
Ethylene glycol	ND		250	50	05/22/2023 21:48	<a href="#">WG2063157</a>
Propylene glycol	ND	<a href="#">J3 J6</a>	5.00	1	05/22/2023 14:45	<a href="#">WG2063157</a>
Triethylene Glycol	1640		250	50	05/22/2023 21:48	<a href="#">WG2063157</a>
(S) 1,3-Propanediol	93.3		37.0-130		05/22/2023 14:45	<a href="#">WG2063157</a>
(S) 1,3-Propanediol	82.7	<a href="#">J7</a>	37.0-130		05/22/2023 21:48	<a href="#">WG2063157</a>

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Released to Imaging: 9/23/2023 7:22:05 AM

WG2063157

SVOC-GC-GLYCOLS-SOIL by Method 8015

QUALITY CONTROL SUMMARY

L1616839-01

Method Blank (MB)

(MB) R3927871-1 05/22/23 13:45				
	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Ethylene glycol	U		0.258	5.00
Propylene glycol	U		0.211	5.00
Triethylene Glycol	U		0.200	5.00
(S) 1,3-Propanediol	112			37.0-130

Laboratory Control Sample (LCS)

(LCS) R3927871-2 05/22/23 13:55					
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	mg/kg	mg/kg	%	%	
Ethylene glycol	30.0	29.3	97.7	80.0-120	
Propylene glycol	30.0	30.9	103	80.0-120	
Triethylene Glycol	30.0	26.4	88.0	50.0-150	
(S) 1,3-Propanediol			98.7	37.0-130	

L1616839-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1616839-01 05/22/23 14:45 • (MS) R3927871-3 05/22/23 14:55 • (MSD) R3927871-4 05/22/23 15:05												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ethylene glycol	29.7	11.9	21.4	30.1	32.0	60.9	1	38.0-128	J6	J3	33.8	20
Propylene glycol	29.7	ND	12.0	20.3	40.4	67.9	1	41.0-140	J6	J3	51.4	20
Triethylene Glycol	29.7	2210	1560	2260	0.000	167	1	50.0-150	E V	E J3 V	36.6	20
(S) 1,3-Propanediol					64.3	80.6		37.0-130				

Received by OCD: 6/30/2023 4:30:34 PM  
1 C  
2 T  
3 S  
4 C  
5 S  
6 Qc  
7 GI  
8 AI  
9 Sc

## Guide to Reading and Understanding Your Laboratory Report

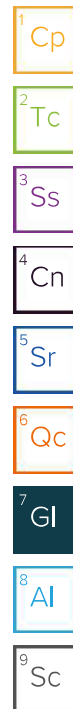
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.



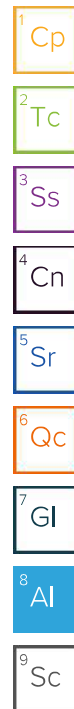
## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey—NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio—VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA—Crypto	TN00003		

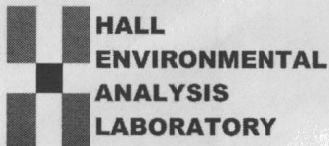
<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.







## CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

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

B030

SUB CONTRACTOR: <b>Pace TN</b>		COMPANY: <b>PACE TN</b>		PHONE: <b>(800) 767-5859</b>		FAX: <b>(615) 758-5859</b>	
ADDRESS: <b>12065 Lebanon Rd</b>				ACCOUNT #:		EMAIL:	
CITY, STATE, ZIP: <b>Mt. Juliet, TN 37122</b>							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2305714-001B	SS01	4OZGU	Soil	5/9/2023 11:30:00 AM	1	<i>L1616839</i> <i>Glycol</i> <i>-01</i> <i>Je 5/12/23</i>

## SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Sample Receipt Checklist  
 COC Seal Present/Intact: Y N If Applicable  
 COC Signed/Accurate: Y N VOA Zero Headspace: Y N  
 Bottles arrive intact: Y N Pres. Correct/Check: Y N  
 Correct bottles used: Y N  
 Sufficient volume sent: Y N  
 RAD Screen <0.5 mR/hr: Y N *1.2+0=0.2*

Relinquished By: <i>CML</i>	Date: <b>5/12/2023</b>	Time: <b>11:41 AM</b>	Received By: <i>Alexa</i>	Date: <b>5/16/23</b>	Time: <b>0900</b>	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	FOR LAB USE ONLY  Temp of samples _____ °C Attempt to Cool? _____  Comments: _____
TAT: Standard <u>Y</u> RUSH Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/>						

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305714  
24-May-23

Client: Harvest  
Project: Milagro Gas Plant Glycol Release

Sample ID: LCS-74973	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 74973		RunNo: 96825							
Prep Date: 5/16/2023	Analysis Date: 5/17/2023		SeqNo: 3511917		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	88.8	61.9	130			
Surr: DNOP	4.7		5.000		93.4	69	147			

Sample ID: MB-74973	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 74973		RunNo: 96825							
Prep Date: 5/16/2023	Analysis Date: 5/17/2023		SeqNo: 3511920		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	9.3		10.00		93.2	69	147			

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305714  
24-May-23

Client: Harvest

Project: Milagro Gas Plant Glycol Release

Sample ID: mb-74959	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74959	RunNo: 96808								
Prep Date: 5/15/2023	Analysis Date: 5/17/2023	SeqNo: 3512645 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	860		1000		86.1	15	244			

Sample ID: lcs-74959	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74959	RunNo: 96808								
Prep Date: 5/15/2023	Analysis Date: 5/17/2023	SeqNo: 3512646 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	93.5	70	130			
Surr: BFB	1900		1000		192	15	244			

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/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#: 2305714

24-May-23

**Client:** Harvest  
**Project:** Milagro Gas Plant Glycol Release

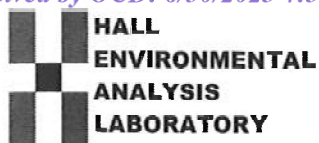
Sample ID: <b>mb-74959</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>74959</b>	RunNo: <b>96808</b>								
Prep Date: <b>5/15/2023</b>	Analysis Date: <b>5/17/2023</b>	SeqNo: <b>3512676</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	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	0.84		1.000		84.0	39.1	146			

Sample ID: <b>lcs-74959</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>74959</b>	RunNo: <b>96808</b>								
Prep Date: <b>5/15/2023</b>	Analysis Date: <b>5/17/2023</b>	SeqNo: <b>3512677</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	70	130			
Toluene	0.88	0.050	1.000	0	87.9	70	130			
Ethylbenzene	0.86	0.050	1.000	0	85.5	70	130			
Xylenes, Total	2.5	0.10	3.000	0	84.9	70	130			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.5	39.1	146			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		





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: 2305714

RcptNo: 1

Received By: Cheyenne Cason 5/11/2023 8:00:00 AM

Completed By: Cheyenne Cason 5/12/2023 11:29:40 AM

Reviewed By: *JS* 5-12-23*Chad**Chad*Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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: *JS 5/12/23*

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

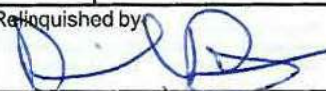
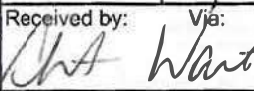
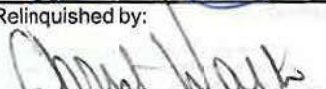
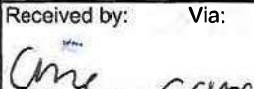
Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	yogi		

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

<input checked="" type="checkbox"/>	BTX / MTBE / TMB's (8021)
<input checked="" type="checkbox"/>	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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>
	8260 (VOA)
	8270 (Semi-VOA)
<input checked="" type="checkbox"/>	Total Coliform (Present/Absent)
	Glycol

Remarks: cc: bherb@ensdum.com  
dbarns

Chain-of-Custody Record				Turn-Around Time: <span style="margin-left: 20px;">5 day</span>								
Client: <u>Harvest four corners LLC</u>				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush								
Attn: <u>Jennifer Deal</u>				Project Name: <u>Milagro Gas Plant Release</u> <span style="float: right;">61401</span>								
Mailing Address:				Project #:								
Phone #:				Project Manager: <u>Danny Burns</u>								
email or Fax#:				Sampler: <u>DB</u>								
QA/QC Package:				On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <span style="float: right;">Yog.</span>								
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)				# of Coolers: <u>1</u>								
Accreditation: <input type="checkbox"/> Az Compliance				Cooler Temp (Including CF): <u>0.6-0.6</u> (°C)								
<input type="checkbox"/> NELAC <input type="checkbox"/> Other _____				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Container Type and #</th> <th style="width: 33%;">Preservative Type</th> <th style="width: 33%;">HEAL No.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1-4oz</td> <td style="text-align: center;">cool</td> <td style="text-align: center;">2305714 001</td> </tr> </tbody> </table>			Container Type and #	Preservative Type	HEAL No.	1-4oz	cool	2305714 001
Container Type and #	Preservative Type	HEAL No.										
1-4oz	cool	2305714 001										
<input type="checkbox"/> EDD (Type) _____												
Date	Time	Matrix	Sample Name									
5-9-23	1130	soil	SS 01									
Date:	Time:	Relinquished by:		Received by:	Via:	Date    Time						
5-10-23	16:40				Went	5/10/23    16:40						
Date:	Time:	Relinquished by:		Received by:	Via:	Date    Time						
5/10/23	1817				same	5/11/23    08:00						

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 235065

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 235065
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/25/2023