

REVIEWED

By Mike Buchanan at 1:48 pm, Apr 10, 2024



ENSOLUM

Environmental, Engineering and
Hydrogeologic Consultants

2023 Q3/Q4 Semi-Annual – Remediation System Operation and Monitoring Report

Property:

**Florance Gas Com J No. 16A
Harvest Four Corners, LLC
San Juan County, New Mexico**

**API # 30-045-21790
Incident # NCS1629854256
Remediation Permit Number 3RP-364**

January 26, 2024
Ensolum Project No. 07B2002007

Prepared for:

**New Mexico Oil Conservation Division - District III
New Mexico Energy, Minerals, and Natural Resources Department
1000 Rio Brazos Road
Aztec, New Mexico 87410**

Prepared by:
**Ensolum, LLC
776 East 2nd Ave
Durango, CO 81301**

Review of the 2023 Q3/Q4 Semi-Annual Remediation System Operation and Monitoring Report: Content Satisfactory
1. Continue to remove LNAPL where removable thickness amounts are conveyed.
2. Cycle in between remediation zones as planned and continue O&M of system biweekly.
3. Repair piping as planned and place field notes of that repair in next report to OCD.
4. Conduct air sampling for system for CO₂, TPH, VOCs, and O₂.
5. Submit next semi-annual report for 2024 by September 1, 2024.

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2023 Q3/Q4 Semi-Annual – Remediation System Operation and Monitoring Report

Incident # NCS1629854256
Remediation Permit Number 3RP-364

Ensolum Project No. 07B2002007

1.0 INTRODUCTION

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this *2023 Q3/Q4 Semi-Annual - Remediation System Operation and Monitoring Report* summarizing remediation system performance during the last two quarters of 2023 at the Florance Gas Com J No. 16A (Site; Remediation Permit Number 3RP-364, Incident # NCS1629854256). The duration of operation and monitoring activities included in this report is for the period from June 30, 2023, through December 27, 2023.

This report was prepared following the conditions of approval from the New Mexico Oil Conservation Division (NMOCD) regarding the dual-phase extraction (DPE) remediation system described in the *Remedial Assessment Report* submitted by Aptim Environmental & Infrastructure, Inc. in November 2017. Per the requirements, this report includes the following:

- A summary of remediation activities during the quarter(s);
- The system run time summary (90% run time required);
- The petroleum mass removal and liquid recovery from the remediation system;
- Amount of liquid captured from the concrete trap/secondary seep tank; and
- Quarterly gas sample analytical results.

As stated in the *2018 Annual Groundwater and Remediation Update Report* submitted in June 2019, the remediation summary reports also include data and summaries from the groundwater sampling events. Per the *2022 Fourth Quarter – Remediation System Operation and Monitoring Report*, remediation summary and groundwater monitoring reports will be submitted semi-annually.

2.0 REMEDIATION SYSTEM DESCRIPTION

The remediation system at the Site includes a DPE system which uses two high vacuum rotary claw blowers to apply vacuum to remediation wells that are connected to the blowers via 1-inch stringers and subsurface piping, with one stinger connected via aboveground piping. The extracted air, petroleum vapors, and fluids enter a vapor/liquid separator or “knock out” tank. Air and petroleum vapors are passed through the two high vacuum extraction blowers and discharged to the atmosphere via an exhaust stack. Separated liquid, which includes light non-aqueous phase liquids (LNAPL) and potentially impacted groundwater, is pumped to an aboveground storage tank for storage and offsite disposal. Extraction from the remediation wells is cycled through four zones, with four to six remediation wells per zone. The system layout is depicted on Figure 1. Reports summarizing remediation system operation for the previous quarters of system operation have been submitted to the NMOCD by Harvest and previous consultants.

3.0 SYSTEM OPERATION AND MONITORING

Regular bi-weekly to monthly system operations and maintenance activities were performed through the second half of 2023. These site visits and monitoring events, including the final visit of the quarter performed on December 27, 2023, are summarized in tables enclosed at the end

of this report. As proposed in the previous semi-annual report, remediation efforts in the second half of 2023 were focused on Zone 2 and Zone 4.

3.1 Vapor Recovery

Remediation system runtime is listed in Table 1, with an average runtime of 99 percent (%) during the second half of 2023, and a cumulative overall run time of 93%. Occasionally, system operations were interrupted for routine equipment maintenance which is noted in Table 1.

Influent air samples from the DPE system were collected following different remediation zone cycling events. During the second half of 2023, a total of three air samples were collected. Influent air samples were collected using a high vacuum air sampling pump on the system inlet, after the remediation zone manifold assembly, but prior to the liquid knock out tank. Samples were collected in 1-Liter Tedlar® bags and submitted to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B and total petroleum hydrocarbons (TPH) by EPA Method 8015D. One sample per quarter is also analyzed for full list of volatile organic compounds (VOCs) by EPA Method 8260B and fixed natural gas analysis including oxygen and carbon dioxide. The laboratory analytical results from the first second of 2023 are summarized in Table 2. Copies of the laboratory analytical reports for the vapor samples are provided as Appendix A.

Since remediation system startup in May 2018, the calculated total mass of BTEX removed thus far is 3,639 pounds (lbs). In the second half of 2023, the calculated mass removal rate based on field and analytical results ranged from 0.134 lbs per day to 0.166 lbs per day. During the second half of 2023, a total of 25 lbs of BTEX were removed through November 17th, 2023. Air emission calculations and removal rates are summarized in Table 3.

3.2 Liquid Recovery

Total liquid recovery volumes are measured using a totalizing flow metering device. Since startup of the system on May 4, 2018, through December 27th, 2023, approximately 358,542 gallons of liquid have been recovered. The impacted groundwater and recovered LNAPL are emulsified and homogeneously commingled enough during extraction that product thickness is unmeasurable in the liquid recovery tank. Therefore, the estimated volume of LNAPL recovered is not reported. Liquid recovery is summarized in Table 4.

Operational measurements including flow and vacuum rates for individual remediation wells are summarized in Table 5. Specific remediation zone observations and adjustments are also included in this table.

4.0 CONCRETE TRAP/SEEP MONITORING

The concrete trap collection sump and collection tank connected to the east and west seep areas was inspected for liquid recovery during the second half of 2023. No LNAPL or additional liquids were observed in the seep collection tank. Approximately 200 gallons of water have consistently been observed in the seep collection tank, likely a result of precipitation events and stormwater runoff into the concrete sump. The collection sump and tank will continue to be monitored during future site visits. If there is an observable increase in liquid recovery levels and a constant flow of liquids into the tank is available, a sample will be collected and analyzed for BTEX. The collection tank levels will be monitored and emptied as needed.

5.0 GROUNDWATER MONITORING

The semi-annual groundwater sampling event occurred in the second half of 2023, as proposed in the fourth quarter 2019, *Quarterly Remediation System Operation and Monitoring Report*. During the second half of 2023 the semi-annual sampling event, all monitoring wells were gauged for depth to groundwater and LNAPL, if present. Only point of compliance groundwater samples were collected during the second half of 2023. Groundwater samples were collected from three monitoring wells. Monitoring wells were sampled if there was sufficient water and there was no presence of phase separated hydrocarbons. Groundwater monitoring will continue on a semi-annual basis with the next event in quarter two of 2024.

5.1 Groundwater Gauging

During the semi-annual groundwater sampling event, all monitoring and remediation wells were gauged for depth to LNAPL, if present, and depth to water. Two wells (SB01 and MW-12) had detectable LNAPL with thicknesses ranging from 0.02 feet to 0.12 feet. Groundwater elevations and LNAPL thicknesses are summarized in Table 6. The estimated groundwater flow direction continues to be towards the southeast. Figure 2 depicts the groundwater elevations, flow direction, and LNAPL thicknesses.

5.2 Groundwater Analytical Results

A total of three monitoring and remediation wells were sampled on December 15, 2023, and submitted for laboratory analysis of BTEX by EPA Method 8021. All three of the monitoring wells sampled were in compliance with the New Mexico Water Quality Control Commission (NMWQCC) standards for BTEX. Groundwater analytical results are summarized in Table 7 and depicted on Figure 2.

6.0 NEXT SEMI-ANNUAL PROPOSED OPERATIONS

6.1 System Operation

The DPE remediation system will continue operating with the goal of optimizing vapor and liquid recovery. A decline in vapor-phase VOC concentrations and observed LNAPL thickness from each remediation zone has been observed, as expected with this remediation technique. During the second half of 2023, the DPE system was focused on remediation Zone 2 and Zone 4. This approach will continue into the second half of 2023.

During the first half of 2024 operations and maintenance, the following actions are proposed:

- Bi-weekly (every other week) to monthly system operation and maintenance visits, including cycling between remediation zones;
- During routine visits, the DPE system will temporarily be isolated to only remediation wells where LNAPL has been observed for approximately one hour, and then the remediation zone will be changed;
- Groundwater and LNAPL will be gauged in monitoring and remediation wells to evaluate the presence and/or migration of LNAPL;
- LNAPL will be manually removed via bailer during routine visits if a large enough LNAPL thickness is measured;
- LNAPL recovery socks will be placed in any monitoring wells where LNAPL is measured in between site visits;
- The piping will be repaired and the newly installed/converted remediation well MW-15 will continually operate in both remediation Zone 2 and Zone 4;

- At least one influent air extraction sample per quarter will be analyzed for Full 8260 VOCs, TPH, carbon dioxide, and oxygen; and
- When influent air samples are not collected, a photoionization detector (PID) will be used to estimate vapor exhaust concentrations.

6.2 Reporting

Updated remediation reports will be prepared and submitted to the NMOCD on a semi-annual basis within 30 days following the end of the quarter and will contain the following:

- A summary of remediation and monitoring activities during the period;
- System run-time summary;
- Petroleum hydrocarbon mass removal and fluid recovery from the remediation system;
- DPE volume removal and product recovery;
- Observations of concrete trap/collection tank;
- Quarterly gas sample analysis results; and
- Groundwater monitoring results.

Ensolum appreciates the opportunity to submit this report to the NMOCD on behalf of Harvest. If there are any questions or comments regarding this report, please contact Danny Burns at 303-601-1420 or dburns@ensolum.com.

Sincerely,

Ensolum, LLC



Danny Burns
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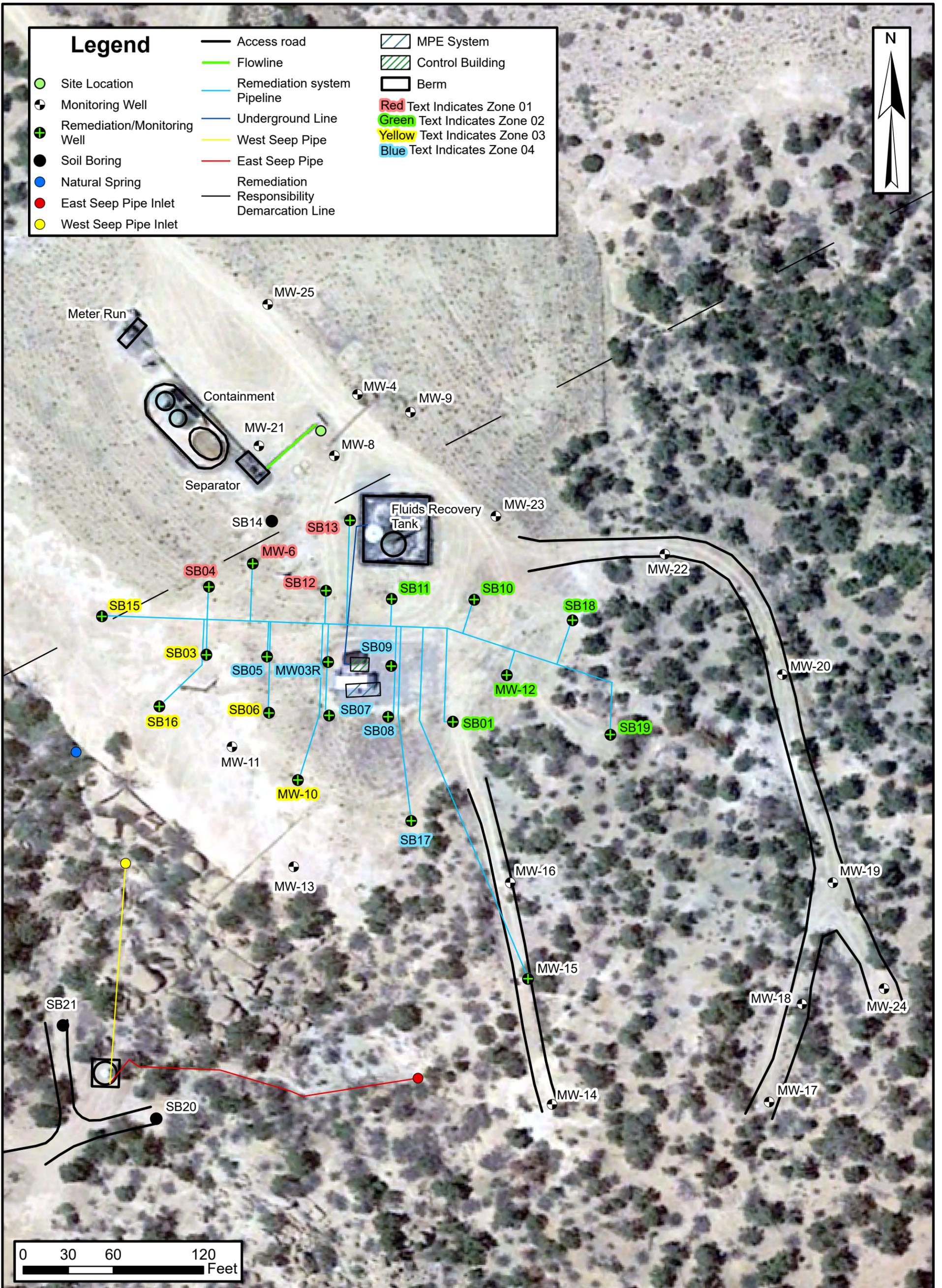
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cc: Oakley Hayes, Harvest Four Corners, LLC



FIGURES





Remediation System Layout

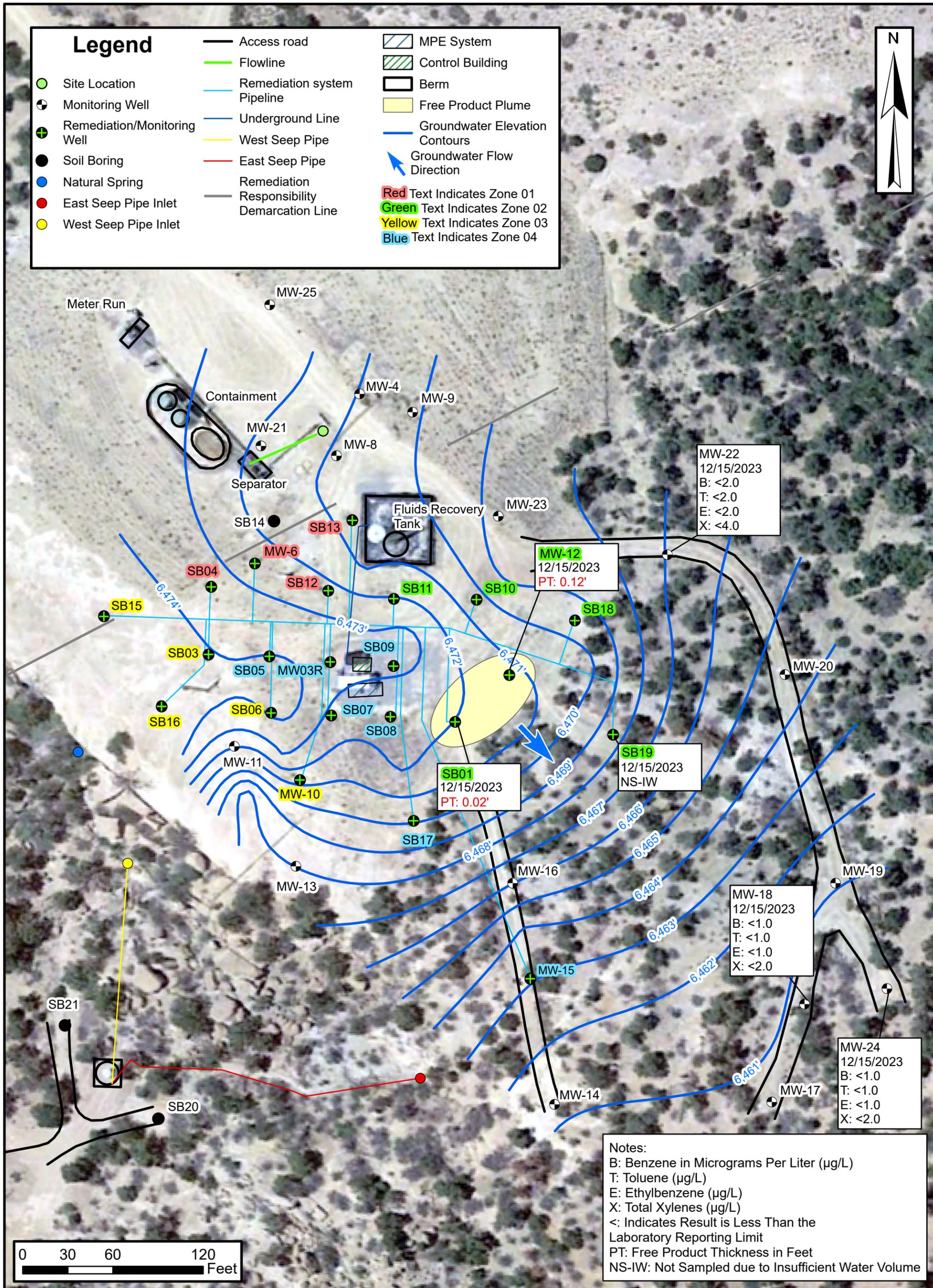
Florance GC J#16A
Harvest Four Corners, LLC

Unit P, Sec 6, T30N, R9W
San Juan County, New Mexico

FIGURE

1





Groundwater Potentiometric & Analytical Results Map December 2023

Florance GC J#16A
 Harvest Four Corners, LLC
 Unit P, Sec 6, T30N, R9W
 San Juan County, New Mexico

FIGURE
2





TABLES





TABLE 1
REMEDIATION SYSTEM OPERATIONAL RUN-TIME SECOND HALF 2023
 Florance GCJ #16A
 Harvest Four Corners, LLC
 San Juan County, New Mexico

Date/Time of Reading	System Hour Runtime	Cumulative Run Time (%)	Run Time (%)	Notes
5/1/18 0:00	0			
5/4/18 9:00	42	START UP		
Earlier Data Provided in Previous Quarterly Reports				
5/19/2023 0:00	40,914	93%	98%	Clean float stem
7/7/2023 11:35	42,065	93%	97%	Change flow meter for SB19
7/20/2023 11:30	42,377	93%	98%	Run Zone 2 & Zone 4 simultaneously
8/15/2023 12:45	43,002	93%	98%	Piping broke for MW-15
10/10/2023 12:35	44,327	93%	98%	Turn off AC in control room
11/3/2023 13:20	44,904	93%	99%	Clean wye strainer and float stem
11/17/2023 11:00	45,239	93%	99%	Replaced KO filter, cleaned blower inlet screens
12/15/2023 12:15	45,910	93%	99%	Replace stinger in SB08, Semi-annual GW sampling
12/27/2023 11:42	46,198	93%	99%	Clean float stem
Average 2nd Half 2023 Run Time			99%	

Notes:

% - percent

Dashed line indicates quarter change

-- : not applicable/not collected



TABLE 2 EXTRACTED VAPOR ANALYTICAL DATA - SECOND HALF 2023 Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico			
Collection Date:	7/20/2023	11/3/2023	11/17/2023
Collection Time:	13:30	14:20	13:05
Active Remediation Zone:	2&4	2&4	2&4
Benzene (µg/L)	<0.20	<0.20	<0.20
Toluene (µg/L)	0.66	0.38	0.76
Ethylbenzene (µg/L)	<0.20	<0.20	0.51
Xylenes, Total (µg/L)	3.3	3.5	4.0
GRO (µg/L)	370	250	340
Total BTEX (µg/L):	3.96	3.88	5.27
PID Reading (ppm)	237	109	107

Notes:

BTEX - benzene, toluene, ethylbenzene, and total xylenes

GRO - gasoline range organics

µg/L - micrograms per liter

ppm - parts per million

PID - photo-ionization detector



TABLE 3

MASS REMOVAL VAPOR PHASE - SECOND HALF 2023

Florance GCJ #16A

Harvest Four Corners, LLC

San Juan County, New Mexico

Date/Time	Influent BTEX (mg/m ³)	Active Remediation Zone	Air Flow Rate (scfm)	Time Period (hr:min:sec)	Time Period (min)	BTEX Mass Removed (lbs)	Gal Removed (@0.755 g/cm ³)	Mass Removal Rate (lbs/day)	Mass Removal Rate (ton/yr)
Earlier Data Provided in Previous Quarterly Reports									
5/19/23 15:00	5.1	2	292	672:40:00	40,360	1.2	0.18	0.041	0.008
7/20/23 11:35	3.96	2&4	390	1484:35:00	89,075	8.3	1.32	0.134	0.024
11/3/23 13:20	3.88	2&4	476	2545:45:00	152,745	14.7	2.33	0.139	0.025
11/17/23 11:00	5.27	2&4	406	333:40:00	20,020	2.3	0.37	0.166	0.030
Total Quantity of BTEX Removed 2nd Half 2023				25 lbs		4.0 gal		0.10 bbl	
Total Quantity of BTEX Removed Since Start-up May 2018				3,639 lbs		667.7 gal		15.9 bbl	

Notes:

- bbl - barrel
 - BTEX - benzene, toluene, ethylbenzene, total xylenes
 - gal - gallons
 - g/cm³ - grams per cubic centimeter
 - hr - hour
 - lbs - pounds
 - lbs/day - pounds per day
 - mg/m³ - milligrams per cubic meter
 - min - minute
 - scfm - standard cubic foot per minute
 - sec - second
 - ton/yr - ton per year
 - yr - year
 - Dashed line indicates a quarter change
- BTEX Mass Removed (lbs) = Influent BTEX (mg/m³)*Air Flow Rates (scfm)*(1 m³/35.3147 ft³)*(1 lb/453,592 mg)*Time Period (min)



TABLE 4
LIQUID RECOVERY - SECOND HALF 2023
 Florance GCJ #16A
 Harvest Four Corners, LLC
 San Juan County, New Mexico

Date/Time	Hour Meter Reading	Flow Meter Reading (gal)	Gallons Recovered this Period	Cumulative Volume Recovered (gal)	Gallons Removed From Tank (Off-Site)	Time Period (hr:min:sec)	Time Period (min)	Recovery Rate		Notes
								(gpm)	(gal/day)	
Earlier Data Provided in Previous Quarterly Reports										
5/19/23 13:00	40,914	310,476	1,270	337,776	--	673:15:00	40,395	0.03	45	Zone 2 Active
7/7/23 11:35	42,065	312,791	2,315	340,091		1174:35:00	70,475	0.03	47	Zone 2 & 4 Active
7/20/23 11:30	42,377	313,649	858	340,949	3,360	311:55:00	18,715	0.05	66	Zone 2 & 4 Active
8/15/23 12:45	43,002	316,254	2,605	343,554		625:15:00	37,515	0.07	100	Zone 2 & 4 Active
10/10/23 12:35	44,327	321,853	5,599	349,153	3,360	1343:50:00	80,630	0.07	100	Zone 2 & 4 Active
11/3/23 13:20	44,904	324,352	2,499	351,652		576:45:00	34,605	0.07	104	Zone 2 & 4 Active
11/17/23 11:00	45,239	325,910	1,558	353,210	3,360	333:40:00	20,020	0.08	112	Zone 2 & 4 Active
12/15/23 12:15	45,910	329,690	3,780	356,990		673:15:00	40,395	0.09	135	Zone 2 & 4 Active
12/27/23 11:40	46,198	331,242	1,552	358,542		287:25:00	17,245	0.09	130	Zone 2 & 4 Active

Notes:

- bbl - barrel
- ft - feet
- gal - gallon
- gal/day - gallon per day
- gpm - gallon per minute
- hr - hour
- in - inch
- LNAPL - light non-aqueous phase liquid
- min - minute
- sec - second
- Dashed line indicated quarter change
- - not applicable

Total Quantity of Liquid Removed:	358,542 Gal
	8,537 bbl



TABLE 5 DPE SYSTEM OPERATIONS - SECOND HALF 2023 Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico										
Well ID	Date		7/7/2023	7/20/2023	8/15/2023	10/10/2023	11/3/2023	11/17/2023	12/15/2023	12/27/2023
Active Zone			2	2&4	2&4	2&4	2&4	2&4	2&4	2&4
MW-12	WH Vac (Online)	inHg	10.0	15.0	--	--	15.5	12.0	--	11.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	9.0	16.0	18.0	18.0	16.0	18.5	19.0	18.5
	PID	ppm	186	163	--	--	121	52	--	44
	Flow	scfm	40	26	24	24	24	22	24	18
SB-01	WH Vac (Online)	inHg	12.0	11.0	--	--	11.5	15.0	--	14.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	12.0	12.5	13.0	13.0	12.0	14.5	14.5	14.0
	PID	ppm	128	91	--	--	82	455	--	302
	Flow	scfm	46	34	42	26	40	30	28	20
SB-10	WH Vac (Online)	inHg	11.0	11.0	--	--	11.5	11.0	--	10.5
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	11.0	12.0	12.5	12.5	12.0	13.5	14.0	14.0
	PID	ppm	180	146	--	--	92	43	--	51
	Flow	scfm	52	30	34	30	48	22	22	18
SB-11	WH Vac (Online)	inHg	10.0	7.5	--	--	8.0	8.5	--	8.5
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	10.0	12.5	13.0	13.0	12.0	15.0	14.0	14.0
	PID	ppm	44	22	--	--	18	50	--	40
	Flow	scfm	44	40	50	42	42	44	48	38
SB-18	WH Vac (Online)	inHg	12.0	10.5	--	--	11.5	12.5	--	13.5
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	12.5	11.5	12.5	13.0	12.0	14.5	14.5	14.0
	PID	ppm	46	37	--	--	92	19	--	13
	Flow	scfm	36	24	32	40	30	40	54	40
SB-19	WH Vac (Online)	inHg	12.0	12.5	--	--	11.5	8.0	--	9.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	11.5	12.5	12.5	12.5	12.0	13.5	14.0	14.0
	PID	ppm	131	114	--	--	102	70	--	68
	Flow	scfm	62	48	54	56	52	40	56	44



TABLE 5 DPE SYSTEM OPERATIONS - SECOND HALF 2023 Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico										
Well ID	Date		7/7/2023	7/20/2023	8/15/2023	10/10/2023	11/3/2023	11/17/2023	12/15/2023	12/27/2023
Active Zone			2	2&4	2&4	2&4	2&4	2&4	2&4	2&4
MW-3R	WH Vac (Online)	inHg	--	10.0	--	--	10.5	12.5		12.0
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.5	12.0	11.5	11.5	13.5	14.0	14.0
	PID	ppm	--	148.0	--	--	132.0	23.0	--	13.0
	Flow	scfm	--	28	42	34	34	32	36	28
SB-05	WH Vac (Online)	inHg	--	12.0	--	--	12.5	13.0	--	12.5
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.5	12.0	12.5	12.0	13.0	13.5	13.5
	PID	ppm	--	132.0	--	--	116.0	23.0	--	9.0
	Flow	scfm	--	32	50	44	48	38	56	30
SB-07	WH Vac (Online)	inHg	--	10.5	--	--	11.5	14.5	--	14.0
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	12.5	13.0	14.5	12.5	14.5	15.0	14.5
	PID	ppm	--	123.0	--	--	108.0	28.0	--	12.0
	Flow	scfm	--	34	40	60	46	46	60	52
SB-08	WH Vac (Online)	inHg	--	11.0	--	--	12.0	11.5	--	11.5
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.5	12.5	12.5	12.5	12.5	13.5	12.5
	PID	ppm	--	110.0	--	--	87.0	49.0	--	46.0
	Flow	scfm	--	42	66	48	52	44	52	50
SB-09	WH Vac (Online)	inHg	--	11.0	--	--	11.5	14.0	--	13.5
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	12.0	12.5	12.5	12.5	14.5	14.0	14.0
	PID	ppm	--	100.0	--	--	79.0	28.0	--	19.0
	Flow	scfm	--	52	58	48	60	48	60	35
SB-17	WH Vac (Online)	inHg	--	--	--	--	--	--	--	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--	--
	Mani Vac	inHg	--	--	--	--	--	--	--	--
	PID	ppm	--	--	--	--	--	--	--	--
	Flow	scfm	--	--	--	--	--	--	--	--
Well Field	Total Flow in Active Zone	scfm	280	390	450	452	476	406	496	373

Notes:

- in HG - inches of mercury
- inH2O - inches of water
- Mani Vac - vacuum gauge reading on remediation well manifold
- PID - photoionization detector
- ppm - parts per million



**TABLE 6
GROUNDWATER ELEVATIONS
Florance GC J 16A
Harvest Four Corners, LLC
San Juan County, New Mexico**

Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
SB01	6,501.96	3/22/2022	31.53	--	--	6,470.43
		6/9/2022	31.24	--	--	6,470.72
		12/14/2022	31.16	--	--	6,470.80
		3/27/2023	31.19	--	--	6,470.77
		6/6/2023	31.11	31.08	0.03	6,470.85
		12/15/2023	30.72	30.70	0.02	6,471.24
SB03	6,495.01	3/22/2022	23.27	--	--	6,471.74
		6/9/2022	23.24	--	--	6,471.77
		12/14/2022	23.45	--	--	6,471.56
		3/27/2023	22.27	--	--	6,472.74
		6/6/2023	21.27	--	--	6,473.74
		12/15/2023	20.94	--	--	6,474.07
SB04	6,499.61	3/22/2022	27.79	--	--	6,471.82
		6/9/2022	27.84	--	--	6,471.77
		12/14/2022	27.05	--	--	6,472.56
		3/27/2023	26.92	--	--	6,472.69
		6/6/2023	26.17	--	--	6,473.44
		12/15/2023	25.96	--	--	6,473.65
SB05	6,498.76	3/22/2022	24.71	--	--	6,474.05
		6/9/2022	25.28	--	--	6,473.48
		12/14/2022	24.98	--	--	6,473.78
		3/27/2023	24.12	--	--	6,474.64
		6/6/2023	24.60	--	--	6,474.16
		12/15/2023	24.21	--	--	6,474.55
SB06	6,496.12	3/22/2022	25.10	--	--	6,471.02
		6/9/2022	24.17	--	--	6,471.95
		12/14/2022	24.68	--	--	6,471.44
		3/27/2023	24.59	--	--	6,471.53
		6/6/2023	23.60	--	--	6,472.52
		12/15/2023	23.19	--	--	6,472.93
SB07	6,500.29	3/22/2022	29.64	--	--	6,470.65
		6/9/2022	29.87	--	--	6,470.42
		12/14/2022	DRY	--	--	DRY
		3/27/2023	29.64	--	--	6,470.65
		6/6/2023	29.21	--	--	6,471.08
		12/15/2023	28.90	--	--	6,471.39



TABLE 6
GROUNDWATER ELEVATIONS
 Florance GC J 16A
 Harvest Four Corners, LLC
 San Juan County, New Mexico

Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
SB08	6,502.25	3/22/2022	30.62	--	--	6,471.63
		6/9/2022	31.08	--	--	6,471.17
		12/14/2022	DRY	--	--	DRY
		3/27/2023	30.56	--	--	6,471.69
		6/6/2023	30.36	30.34	0.02	6,471.89
		12/15/2023	29.97	--	--	6,472.28
SB09	6,504.18	3/22/2022	32.62	--	--	6,471.56
		6/9/2022	33.28	--	--	6,470.90
		12/14/2022	DRY	--	--	DRY
		3/27/2023	32.68	--	--	6,471.50
		6/6/2023	32.54	--	--	6,471.64
		12/15/2023	32.09	--	--	6,472.09
SB10	6,506.04	3/22/2022	DRY	--	--	DRY
		6/9/2022	DRY	--	--	DRY
		12/14/2022	DRY	--	--	DRY
		3/27/2023	DRY	--	--	DRY
		6/6/2023	DRY	--	--	DRY
		12/15/2023	DRY	--	--	DRY
SB11	6,505.61	3/22/2022	32.16	--	--	6,473.45
		6/9/2022	37.80	--	--	6,467.81
		12/14/2022	32.32	--	--	6,473.29
		3/27/2023	32.25	--	--	6,473.36
		6/6/2023	32.41	--	--	6,473.20
		12/15/2023	32.03	--	--	6,473.58
SB12	6,508.42	3/22/2022	DRY	--	--	DRY
		6/9/2022	DRY	--	--	DRY
		12/14/2022	35.19	--	--	6,473.23
		3/27/2023	34.94	--	--	6,473.48
		6/6/2023	35.41	--	--	6,473.01
		12/15/2023	35.00	--	--	6,473.42
SB13	6,504.89	3/22/2022	34.96	--	--	6,469.93
		6/9/2022	35.22	--	--	6,469.67
		12/14/2022	34.74	--	--	6,470.15
		3/27/2023	NM	--	--	NM
		6/6/2023	34.48	--	--	6,470.41
		12/15/2023	34.03	--	--	6,470.86



TABLE 6 GROUNDWATER ELEVATIONS Florance GC J 16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
SB15	6,494.31	3/22/2022	21.72	--	--	6,472.59
		6/9/2022	21.65	--	--	6,472.66
		12/14/2022	20.98	--	--	6,473.33
		3/27/2023	20.88	--	--	6,473.43
		6/6/2023	19.84	--	--	6,474.47
		12/15/2023	19.58	--	--	6,474.73
SB16	6,492.07	3/22/2022	22.30	--	--	6,469.77
		6/9/2022	20.23	--	--	6,471.84
		12/14/2022	19.47	--	--	6,472.60
		3/27/2023	19.24	--	--	6,472.83
		6/6/2023	17.93	--	--	6,474.14
		12/15/2023	17.44	--	--	6,474.63
SB17	6,492.57	3/22/2022	DRY	--	--	DRY
		6/9/2022	DRY	--	--	DRY
		12/14/2022	DRY	--	--	DRY
		3/27/2023	DRY	--	--	DRY
		6/6/2023	DRY	--	--	DRY
		12/15/2023	DRY	--	--	DRY
SB18	6,506.38	3/22/2022	34.56	--	--	6,471.82
		6/9/2022	DRY	--	--	DRY
		12/14/2022	37.33	37.18	0.15	6,465.65
		3/27/2023	38.59	--	--	6,467.79
		6/6/2023	36.53	36.50	0.03	6,466.35
		12/15/2023	36.05	--	--	6,470.33
SB19	6,503.99	3/22/2022	35.69	--	--	6,468.30
		6/9/2022	30.32	--	--	6,473.67
		12/14/2022	35.91	--	--	6,468.08
		3/27/2023	36.00	--	--	6,467.99
		6/6/2023	36.06	--	--	6,467.93
		12/15/2023	DRY	--	--	DRY
MW-3R	6,502.86	3/22/2022	30.24	--	--	6,472.62
		6/9/2022	31.11	31.09	0.02	6,471.77
		12/14/2022	30.68	--	--	6,472.18
		3/27/2023	29.94	--	--	6,472.92
		6/6/2023	30.39	--	--	6,472.47
		12/15/2023	30.29	--	--	6,472.57



TABLE 6 GROUNDWATER ELEVATIONS Florance GC J 16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-4*	--	3/22/2022	35.55	--	--	--
		6/9/2022	34.82	--	--	--
		12/14/2022	34.88	--	--	--
		3/27/2023	35.26	--	--	--
		6/6/2023	35.04	--	--	--
		12/15/2023	34.46	--	--	--
MW-6*	--	3/22/2022	33.44	--	--	--
		6/9/2022	32.96	--	--	--
		12/14/2022	32.49	--	--	--
		3/27/2023	32.43	--	--	--
		6/6/2023	32.36	--	--	--
		12/15/2023	32.32	--	--	--
MW-8*	--	3/22/2022	36.20	--	--	--
		6/9/2022	36.34	--	--	--
		12/14/2022	35.85	--	--	--
		3/27/2023	35.82	--	--	--
		6/6/2023	35.56	--	--	--
		12/15/2023	35.49	--	--	--
MW-9*	--	3/22/2022	45.34	--	--	--
		6/9/2022	45.29	--	--	--
		12/14/2022	45.31	--	--	--
		3/27/2023	45.31	--	--	--
		6/6/2023	45.34	--	--	--
		12/15/2023	DRY	--	--	--
MW-10*	--	3/22/2022	23.38	--	--	--
		6/9/2022	24.10	--	--	--
		12/14/2022	22.92	--	--	--
		3/27/2023	23.49	--	--	--
		6/6/2023	22.06	--	--	--
		12/15/2023	21.94	--	--	--
MW-11	6,492.85	3/22/2022	25.98	--	--	6,466.87
		6/9/2022	26.79	--	--	6,466.06
		12/14/2022	26.55	--	--	6,466.30
		3/27/2023	26.66	--	--	6,466.19
		6/6/2023	25.41	--	--	6,467.44
		12/15/2023	25.34	--	--	6,467.51



TABLE 6 GROUNDWATER ELEVATIONS Florance GC J 16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-12	6,503.57	3/22/2022	34.86	33.72	1.14	6,469.62
		6/9/2022	34.41	33.46	0.95	6,469.92
		12/14/2022	34.45	33.86	0.59	6,469.59
		3/27/2023	33.98	33.82	0.16	6,469.72
		6/6/2023	33.88	32.98	0.90	6,470.41
		12/15/2023	32.32	32.20	0.12	6,471.35
MW-13	6,490.03	3/22/2022	24.67	--	--	6,465.36
		6/9/2022	24.43	--	--	6,465.60
		12/14/2022	24.39	--	--	6,465.64
		3/27/2023	24.40	--	--	6,465.63
		6/6/2023	23.05	--	--	6,466.98
		12/15/2023	22.84	--	--	6,467.19
MW-14	6,476.22	3/22/2022	14.98	--	--	6,461.24
		6/9/2022	15.14	--	--	6,461.08
		12/14/2022	15.65	--	--	6,460.57
		3/27/2023	13.29	--	--	6,462.93
		6/6/2023	13.75	--	--	6,462.47
		12/15/2023	15.55	--	--	6,460.67
MW-15	6,478.37	3/22/2022	16.31	16.22	0.09	6,462.13
		6/9/2022	16.49	16.32	0.17	6,462.02
		12/14/2022	16.32	--	--	6,462.05
		3/27/2023	15.21	--	--	6,463.16
		6/6/2023	DRY	--	--	DRY
		12/15/2023	16.08	--	--	6,462.29
MW-16	6,487.57	3/22/2022	22.73	--	--	6,464.84
		6/9/2022	22.73	--	--	6,464.84
		12/14/2022	22.74	--	--	6,464.83
		3/27/2023	22.75	--	--	6,464.82
		6/6/2023	DRY	--	--	DRY
		12/15/2023	23.69	--	--	6,463.88
MW-17	6,483.30	3/22/2022	22.29	--	--	6,461.01
		6/9/2022	22.35	--	--	6,460.95
		12/14/2022	22.42	--	--	6,460.88
		3/27/2023	22.54	--	--	6,460.76
		6/6/2023	22.54	--	--	6,460.76
		12/15/2023	22.51	--	--	6,460.79



TABLE 6 GROUNDWATER ELEVATIONS Florance GC J 16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-18	6,485.22	3/22/2022	24.37	--	--	6,460.85
		6/9/2022	24.44	--	--	6,460.78
		12/14/2022	24.29	--	--	6,460.93
		3/27/2023	25.03	--	--	6,460.19
		6/6/2023	25.14	--	--	6,460.08
		12/15/2023	24.39	--	--	6,460.83
MW-19	6,492.35	3/22/2022	31.54	--	--	6,460.81
		6/9/2022	32.79	--	--	6,459.56
		12/14/2022	31.60	--	--	6,460.75
		3/27/2023	31.71	--	--	6,460.64
		6/6/2023	32.20	--	--	6,460.15
		12/15/2023	32.09	--	--	6,460.26
MW-20	6,493.38	3/22/2022	29.53	--	--	6,463.85
		6/9/2022	29.73	--	--	6,463.65
		12/14/2022	29.56	--	--	6,463.82
		3/27/2023	29.94	--	--	6,463.44
		6/6/2023	30.51	--	--	6,462.87
		12/15/2023	29.50	--	--	6,463.88
MW-21	6,508.15	3/22/2022	37.52	--	--	6,470.63
		6/9/2022	37.50	--	--	6,470.65
		12/14/2022	37.24	--	--	6,470.91
		3/27/2023	37.26	--	--	6,470.89
		6/6/2023	36.88	--	--	6,471.27
		12/15/2023	37.00	--	--	6,471.15
MW-22	6,497.15	3/22/2022	30.77	--	--	6,466.38
		6/9/2022	30.86	--	--	6,466.29
		12/14/2022	30.62	--	--	6,466.53
		3/27/2023	30.65	--	--	6,466.50
		6/6/2023	30.55	--	--	6,466.60
		12/15/2023	30.55	--	--	6,466.60
MW-23	6,505.95	3/22/2022	37.10	--	--	6,468.85
		6/9/2022	38.21	--	--	6,467.74
		12/14/2022	37.75	--	--	6,468.20
		3/27/2023	37.83	--	--	6,468.12
		6/6/2023	37.64	--	--	6,468.31
		12/15/2023	37.62	--	--	6,468.33



TABLE 6 GROUNDWATER ELEVATIONS Florance GC J 16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well Identification	Top of Casing Elevation (feet amsl)	Date	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW-24	6,490.71	3/22/2022	29.81	--	--	6,460.90
		6/9/2022	29.93	--	--	6,460.78
		12/14/2022	30.00	--	--	6,460.71
		3/27/2023	30.12	--	--	6,460.59
		6/6/2023	30.16	--	--	6,460.55
		12/15/2023	30.21	--	--	6,460.50
MW-25	6,507.65	3/22/2022	35.69	--	--	6,471.96
		6/9/2022	35.15	--	--	6,472.50
		12/14/2022	34.78	--	--	6,472.87
		3/27/2023	35.09	--	--	6,472.56
		6/6/2023	34.98	--	--	6,472.67
		12/15/2023	35.02	--	--	6,472.63

Notes:

amsl: above mean sea level

BTOC: below top of casing

--: indicates no GWEL or PSH measured

Groundwater elevation is adjusted using a density correction factor of 0.8 when product is present



TABLE 7 GROUNDWATER ANALYTICAL RESULTS Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
SB01	6/4/2020	NS-LNAPL			
	9/17/2020	NS-LNAPL			
	6/6/2023	NS-LNAPL			
	12/15/2023	NS-LNAPL			
SB03	6/4/2020	32	8.1	69	720
	9/18/2020	6.8	<5.0	14	170
	6/7/2023	<2.0	<2.0	3.6	22
SB04	6/4/2020	NS			
	9/18/2020	<1.0	<1.0	11	63
	6/10/2022	2.1	4.4	14	49
	6/7/2023	<1.0	<1.0	3.2	5.3
SB05	6/4/2020	NS			
	9/18/2020	460	60	<10	380
	6/7/2023	930	780	45	2,700
SB06	6/4/2020	NS			
	9/18/2020	NS-LNAPL			
	6/7/2023	8.7	<5.0	91	610
SB07	6/4/2020	NS			
	9/17/2020	NS			
	6/6/2023				
SB08	6/4/2020	NS			
	9/17/2020	NS			
	6/6/2023	NS-LNAPL			
SB09	6/4/2020	NS			
	9/17/2020	NS			
	6/6/2023	NS			
SB10	6/4/2020	NS-DRY			
	9/17/2020	NS-DRY			
	6/6/2023	NS-DRY			



TABLE 7 GROUNDWATER ANALYTICAL RESULTS Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
SB11	6/4/2020			NS	
	9/17/2020			NS	
	6/7/2023	1,400	<10	130	770
SB12	6/4/2020			NS	
	9/17/2020			NS	
	6/6/2023	NS - Insufficient amount of water to sample			
SB13	6/5/2020	<1.0	<1.0	<1.0	<2.0
	9/18/2020	2.0	<1.0	<1.0	<1.5
	6/7/2023	<1.0	<1.0	<1.0	<1.5
SB15	6/4/2020			NS	
	9/18/2020	NS - Insufficient amount of water to sample			
	6/7/2023	<1.0	<1.0	<1.0	<1.5
SB16	6/4/2020			NS	
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/10/2022	<1.0	<1.0	<1.0	<2.0
	6/7/2023	<1.0	<1.0	<1.0	<1.5
SB17	6/4/2020			NS-DRY	
	9/18/2020			NS-DRY	
	6/6/2023			NS-DRY	
SB18	6/5/2020	7,400	9,100	760	9,800
	9/18/2020	NS - Insufficient amount of water to sample			
	6/6/2023	NS-LNAPL			
SB19	6/4/2020			NS	
	9/18/2020	NS - Insufficient amount of water to sample			
	12/15/2022	NS - Insufficient amount of water to sample			
	6/6/2023	NS - Insufficient amount of water to sample			
MW-1	Destroyed during excavation/remediation activities				
MW-2	Destroyed during excavation/remediation activities				
MW-3R	6/4/2020			NS-LNAPL	
	9/18/2020			NS-LNAPL	
	6/7/2023	1,500	<100	170	1,600



TABLE 7 GROUNDWATER ANALYTICAL RESULTS Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
MW-4	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	1.1	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
MW-4	6/9/2022	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-5	Destroyed during excavation/remediation activities				
MW-6	6/5/2020	<1.0	2.7	66	170
	9/18/2020	<1.0	1.1	1.7	180
	6/7/2023	<1.0	<1.0	<1.0	12
MW-7	Destroyed during excavation/remediation activities				
MW-8	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	6/7/2023	<1.0	<1.0	<1.0	<2.0
MW-9	6/4/2020	<1.0	<1.0	<1.0	<2.0
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/6/2023	NS - Insufficient amount of water to sample			
MW-10	6/4/2020	370	46	86	880
	9/18/2020	380	<5.0	120	28
	6/7/2023	3.0	<1.0	<1.0	<2.0
MW-11	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
MW-12	6/6/2023	<1.0	<1.0	<1.0	<2.0
	6/4/2020	NS-LNAPL			
	9/17/2020	NS-LNAPL			
	12/15/2023	NS-LNAPL			



TABLE 7
GROUNDWATER ANALYTICAL RESULTS
 Florance GCJ #16A
 Harvest Four Corners, LLC
 San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
MW-13	6/4/2020	1,100	<20	160	460
	9/17/2020	1,500	<20	260	890
	6/6/2023	8.4	<1.0	1.3	<2.0
MW-14	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
MW-14	12/17/2020	<1.0	<1.0	<1.0	<2.0
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/10/2022	1.9	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-15	6/4/2020	8,600	10,000	800	9,600
	9/17/2020	NS-LNAPL			
	6/6/2023	NS-DRY			
MW-16	6/4/2020	NS-DRY			
	9/17/2020	NS - Insufficient amount of water to sample			
	6/6/2023	NS-DRY			
MW-17	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-18	6/26/2020	<1.0	<1.0	<1.0	<1.5
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/17/2020	<1.0	<1.0	<1.0	<2.0
	12/9/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	12/15/2022	NS - Insufficient amount of water to sample			
	6/6/2023	<1.0	<1.0	<1.0	<2.0
12/15/2023	<1.0	<1.0	<1.0	<2.0	
MW-19	6/4/2020	NS-LNAPL			
	9/17/2020	NS-LNAPL			
	6/6/2023	13	<5.0	14	71



TABLE 7 GROUNDWATER ANALYTICAL RESULTS Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
MW-20	6/4/2020	<1.0	<1.0	<1.0	<2.0
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/17/2020	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<2.0	<2.0	<2.0	<3.0
MW-21	6/4/2020	9.6	<1.0	23	21
	9/17/2020	5.6	<1.0	6.6	<1.5
MW-21	12/18/2020	4.1	1.5	5.6	2.6
	6/6/2023	<1.0	<1.0	<1.0	<1.5
MW-22	6/26/2020	<1.0	<1.0	<1.0	<1.5
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/9/2021	<1.0	<1.0	<1.0	<1.5
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	12/15/2022	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<2.0	<2.0	<2.0	<3.0
	12/15/2023	<2.0	<2.0	<2.0	<4.0
MW-23	6/4/2020	1.8	<1.0	<1.0	<2.0
	9/17/2020	2.2	<1.0	<1.0	<1.5
	12/18/2020	1.5	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<1.5
MW-24	6/26/2020	<1.0	<1.0	5.3	<1.5
	9/17/2020	1.1	<1.0	5.9	<1.5
	12/17/2020	1.4	<1.0	5.9	<2.0
	12/9/2021	1.2	<1.0	1.4	<1.5
	6/9/2022	<1.0	<1.0	1.5	<2.0
	12/15/2022	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	1.0	<1.5
	12/15/2023	<1.0	<1.0	<1.0	<2.0



TABLE 7 GROUNDWATER ANALYTICAL RESULTS Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico					
Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		5	1,000	700	620
MW-25	6/4/2020	<1.0	<1.0	<1.0	<2.0
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/18/2020	<1.0	<1.0	<1.0	<2.0
	6/7/2023	<2.0	<2.0	<2.0	<3.0

Notes:

LNAPL - light non-aqueous phase liquid

µg/L - micrograms per Liter

NMWQCC - New Mexico Water Quality Control Commission

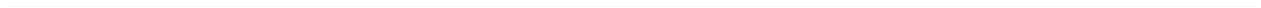
NS - not sampled

Bold indicates result exceeds applicable standard



APPENDIX A

Laboratory Analytical Reports





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

August 02, 2023

Danny Burns

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Florance GC J 16A

OrderNo.: 2307A02

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/21/2023 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 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 **2307A02**

Date Reported: **8/2/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Influent

Project: Florance GC J 16A

Collection Date: 7/20/2023 1:30:00 PM

Lab ID: 2307A02-001

Matrix: AIR

Received Date: 7/21/2023 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	370	10		µg/L	2	7/26/2023 1:48:00 PM	G98516
Surr: BFB	104	70-130		%Rec	2	7/26/2023 1:48:00 PM	G98516
EPA METHOD 8260B: VOLATILES							Analyst: CCM
Benzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Toluene	0.66	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Ethylbenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2,4-Trimethylbenzene	0.35	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,3,5-Trimethylbenzene	0.47	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Naphthalene	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
1-Methylnaphthalene	ND	0.80		µg/L	2	7/26/2023 1:48:00 PM	R98516
2-Methylnaphthalene	ND	0.80		µg/L	2	7/26/2023 1:48:00 PM	R98516
Acetone	ND	2.0		µg/L	2	7/26/2023 1:48:00 PM	R98516
Bromobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Bromodichloromethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Bromoform	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Bromomethane	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
2-Butanone	ND	2.0		µg/L	2	7/26/2023 1:48:00 PM	R98516
Carbon disulfide	ND	2.0		µg/L	2	7/26/2023 1:48:00 PM	R98516
Carbon tetrachloride	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Chlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Chloroethane	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
Chloroform	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Chloromethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
2-Chlorotoluene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
4-Chlorotoluene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
cis-1,2-DCE	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
cis-1,3-Dichloropropene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2-Dibromo-3-chloropropane	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
Dibromochloromethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Dibromomethane	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2-Dichlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,3-Dichlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,4-Dichlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Dichlorodifluoromethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1-Dichloroethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1-Dichloroethene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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.		

Analytical Report

Lab Order **2307A02**

Date Reported: **8/2/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Influent

Project: Florance GC J 16A

Collection Date: 7/20/2023 1:30:00 PM

Lab ID: 2307A02-001

Matrix: AIR

Received Date: 7/21/2023 6:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: CCM
1,2-Dichloropropane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,3-Dichloropropane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
2,2-Dichloropropane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1-Dichloropropene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Hexachlorobutadiene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
2-Hexanone	ND	2.0		µg/L	2	7/26/2023 1:48:00 PM	R98516
Isopropylbenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
4-Isopropyltoluene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
4-Methyl-2-pentanone	ND	2.0		µg/L	2	7/26/2023 1:48:00 PM	R98516
Methylene chloride	ND	0.60		µg/L	2	7/26/2023 1:48:00 PM	R98516
n-Butylbenzene	ND	0.60		µg/L	2	7/26/2023 1:48:00 PM	R98516
n-Propylbenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
sec-Butylbenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Styrene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
tert-Butylbenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1,1,2-Tetrachloroethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Tetrachloroethene (PCE)	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
trans-1,2-DCE	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
trans-1,3-Dichloropropene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2,3-Trichlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2,4-Trichlorobenzene	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1,1-Trichloroethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,1,2-Trichloroethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Trichloroethene (TCE)	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Trichlorofluoromethane	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
1,2,3-Trichloropropane	ND	0.40		µg/L	2	7/26/2023 1:48:00 PM	R98516
Vinyl chloride	ND	0.20		µg/L	2	7/26/2023 1:48:00 PM	R98516
Xylenes, Total	3.3	0.30		µg/L	2	7/26/2023 1:48:00 PM	R98516
Surr: Dibromofluoromethane	108	70-130		%Rec	2	7/26/2023 1:48:00 PM	R98516
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	2	7/26/2023 1:48:00 PM	R98516
Surr: Toluene-d8	124	70-130		%Rec	2	7/26/2023 1:48:00 PM	R98516
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	2	7/26/2023 1:48:00 PM	R98516

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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.		



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ANALYTICAL SUMMARY REPORT

August 02, 2023

Hall Environmental
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B23071726 Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 7/25/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23071726-001	2307A02-001B, Influent	07/20/23 13:30	07/25/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond./1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23071726-001
Client Sample ID: 2307A02-001B, Influent

Report Date: 08/02/23
Collection Date: 07/20/23 13:30
Date Received: 07/25/23
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
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GAS CHROMATOGRAPHY ANALYSIS REPORT

Oxygen	21.53	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Nitrogen	78.17	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Carbon Dioxide	0.30	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	07/27/23 10:59 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	07/27/23 10:59 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	07/27/23 10:59 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	07/27/23 10:59 / jrj
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	07/27/23 10:59 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-95	07/27/23 10:59 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	07/27/23 10:59 / jrj
Air, %	98.35			0.01		GPA 2261-95	07/27/23 10:59 / jrj

- The analysis was not corrected for air.

COMMENTS

-							07/27/23 10:59 / jrj
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- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental

Work Order: B23071726

Report Date: 08/02/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: GPA 2261-95											
Batch: R406161											
Lab ID: B23071726-001ADUP	12 Sample Duplicate			Run: GCNGA-B_230727A				07/27/23 12:11			
Oxygen		21.5	Mol %	0.01				0.0	20		
Nitrogen		78.2	Mol %	0.01				0	20		
Carbon Dioxide		0.29	Mol %	0.01				3.4	20		
Hydrogen Sulfide		<0.01	Mol %	0.01					20		
Methane		<0.01	Mol %	0.01					20		
Ethane		<0.01	Mol %	0.01					20		
Propane		<0.01	Mol %	0.01					20		
Isobutane		<0.01	Mol %	0.01					20		
n-Butane		<0.01	Mol %	0.01					20		
Isopentane		<0.01	Mol %	0.01					20		
n-Pentane		<0.01	Mol %	0.01					20		
Hexanes plus		<0.01	Mol %	0.01					20		
Lab ID: LCS072723	11 Laboratory Control Sample			Run: GCNGA-B_230727A				07/27/23 12:51			
Oxygen		0.65	Mol %	0.01	130	70	130				
Nitrogen		6.07	Mol %	0.01	101	70	130				
Carbon Dioxide		1.00	Mol %	0.01	101	70	130				
Methane		74.4	Mol %	0.01	99	70	130				
Ethane		6.03	Mol %	0.01	100	70	130				
Propane		5.14	Mol %	0.01	104	70	130				
Isobutane		2.01	Mol %	0.01	100	70	130				
n-Butane		2.02	Mol %	0.01	101	70	130				
Isopentane		0.96	Mol %	0.01	96	70	130				
n-Pentane		0.97	Mol %	0.01	97	70	130				
Hexanes plus		0.80	Mol %	0.01	100	70	130				

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23071726

Login completed by: Leslie S. Cadreau

Date Received: 7/25/2023

Reviewed by: ysmith

Received by: se1

Reviewed Date: 7/28/2023

Carrier name: FedEx

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on all shipping container(s)/cooler(s)? Yes No Not Present
- Custody seals intact on all sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Temp Blank received in all shipping container(s)/cooler(s)? Yes No Not Applicable
- Container/Temp Blank temperature: 24.4°C No Ice
- Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None



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

Form containing contract details: SUB CONTRACTOR (Energy Labs -Billings), COMPANY (Energy Laboratories), ADDRESS (1120 South 27th Street, Billings, MT 59107), PHONE, FAX, EMAIL, ACCOUNT #, and ANALYTICAL COMMENTS (ANALYTICAL COMMENTS).

Table with columns: ITEM, SAMPLE, CLIENT SAMPLE ID, BOTTLE TYPE, MATRIX, COLLECTION DATE, # CONTAINERS. Row 1: 2307A02-001B Influent, TEDLAR, Air, 7/20/2023 1:30:00 PM, 1 Natural Gas Analysis- 02+CO2

Handwritten number: 823071726

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.

Form for chain of custody tracking: Relinquished By, Received By, Date, Time, RUSH, Standard, TAT, REPORT TRANSMITTAL DESIRED (HARDCOPY, FAX, EMAIL, ONLINE), Temp of samples, Attempt to Cool?, Comments.



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: 2307A02 RcptNo: 1

Received By: Tracy Casarrubias 7/21/2023 6:40:00 AM

Completed By: Tracy Casarrubias 7/21/2023 7:53:40 AM

Reviewed By: *[Signature]* 7-21-23

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: *SCM 07/21/23*

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: Mailing address and phone number are missing on COC- TMC 7/21/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	N/A	Good	Yes			



Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 20, 2023

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

RE: Florance GC J 16A

OrderNo.: 2311229

Dear Oakley Hayes:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 11/4/2023 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 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 do not hesitate to contact Eurofins Albuquerque 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".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2311229

Date Reported: 11/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Influent Zone 02+04

Project: Florance GC J 16A

Collection Date: 11/3/2023 2:20:00 PM

Lab ID: 2311229-001

Matrix: AIR

Received Date: 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	250	10		µg/L	2	11/15/2023 2:08:00 PM	G101191
Surr: BFB	102	70-130		%Rec	2	11/15/2023 2:08:00 PM	G101191
EPA METHOD 8260B: VOLATILES							Analyst: RAA
Benzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Toluene	0.38	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Ethylbenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Methyl tert-butyl ether (MTBE)	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2,4-Trimethylbenzene	0.40	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,3,5-Trimethylbenzene	0.59	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2-Dichloroethane (EDC)	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2-Dibromoethane (EDB)	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Naphthalene	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
1-Methylnaphthalene	ND	0.80		µg/L	2	11/8/2023 4:29:44 PM	R101045
2-Methylnaphthalene	ND	0.80		µg/L	2	11/8/2023 4:29:44 PM	R101045
Acetone	ND	2.0		µg/L	2	11/8/2023 4:29:44 PM	R101045
Bromobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Bromodichloromethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Bromoform	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Bromomethane	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
2-Butanone	ND	2.0		µg/L	2	11/8/2023 4:29:44 PM	R101045
Carbon disulfide	ND	2.0		µg/L	2	11/8/2023 4:29:44 PM	R101045
Carbon tetrachloride	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Chlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Chloroethane	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
Chloroform	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Chloromethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
2-Chlorotoluene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
4-Chlorotoluene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
cis-1,2-DCE	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
cis-1,3-Dichloropropene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2-Dibromo-3-chloropropane	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
Dibromochloromethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Dibromomethane	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2-Dichlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,3-Dichlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,4-Dichlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Dichlorodifluoromethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1-Dichloroethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1-Dichloroethene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E 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, Inc.

Analytical Report

Lab Order 2311229

Date Reported: 11/20/2023

CLIENT: Harvest
Project: Florance GC J 16A
Lab ID: 2311229-001

Matrix: AIR

Client Sample ID: Influent Zone 02+04
Collection Date: 11/3/2023 2:20:00 PM
Received Date: 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES							Analyst: RAA
1,2-Dichloropropane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,3-Dichloropropane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
2,2-Dichloropropane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1-Dichloropropene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Hexachlorobutadiene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
2-Hexanone	ND	2.0		µg/L	2	11/8/2023 4:29:44 PM	R101045
Isopropylbenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
4-Isopropyltoluene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
4-Methyl-2-pentanone	ND	2.0		µg/L	2	11/8/2023 4:29:44 PM	R101045
Methylene chloride	ND	0.60		µg/L	2	11/8/2023 4:29:44 PM	R101045
n-Butylbenzene	ND	0.60		µg/L	2	11/8/2023 4:29:44 PM	R101045
n-Propylbenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
sec-Butylbenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Styrene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
tert-Butylbenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1,1,2-Tetrachloroethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1,2,2-Tetrachloroethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Tetrachloroethene (PCE)	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
trans-1,2-DCE	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
trans-1,3-Dichloropropene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2,3-Trichlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2,4-Trichlorobenzene	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1,1-Trichloroethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,1,2-Trichloroethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Trichloroethene (TCE)	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Trichlorofluoromethane	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
1,2,3-Trichloropropane	ND	0.40		µg/L	2	11/8/2023 4:29:44 PM	R101045
Vinyl chloride	ND	0.20		µg/L	2	11/8/2023 4:29:44 PM	R101045
Xylenes, Total	3.5	0.30		µg/L	2	11/8/2023 4:29:44 PM	R101045
Surr: Dibromofluoromethane	79.3	70-130		%Rec	2	11/8/2023 4:29:44 PM	R101045
Surr: 1,2-Dichloroethane-d4	84.3	70-130		%Rec	2	11/8/2023 4:29:44 PM	R101045
Surr: Toluene-d8	106	70-130		%Rec	2	11/8/2023 4:29:44 PM	R101045
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	2	11/8/2023 4:29:44 PM	R101045

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	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.		



ANALYTICAL SUMMARY REPORT

November 14, 2023

Hall Environmental

4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B23110443

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 11/7/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23110443-001	2311229-001B, Influent Zone 02+04	11/03/23 14:20	11/07/23	Gas	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond./1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23110443-001
Client Sample ID: 2311229-001B, Influent Zone 02+04

Report Date: 11/14/23
Collection Date: 11/03/23 14:20
Date Received: 11/07/23
Matrix: Gas

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.65	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Nitrogen	78.10	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Carbon Dioxide	0.25	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	11/10/23 11:08 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	11/10/23 11:08 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	11/10/23 11:08 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	11/10/23 11:08 / jrj
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	11/10/23 11:08 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-95	11/10/23 11:08 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	11/10/23 11:08 / jrj
Air, %	98.91			0.01		GPA 2261-95	11/10/23 11:08 / jrj

- The analysis was not corrected for air.

COMMENTS

- 11/10/23 11:08 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental

Work Order: B23110443

Report Date: 11/14/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: GPA 2261-95											
Batch: R412057											
Lab ID: B23110443-001ADUP	12 Sample Duplicate			Run: GCNGA-B_231110A				11/10/23 11:40			
Oxygen		21.6	Mol %	0.01				0	20		
Nitrogen		78.1	Mol %	0.01				0	20		
Carbon Dioxide		0.25	Mol %	0.01				0.0	20		
Hydrogen Sulfide		<0.01	Mol %	0.01					20		
Methane		<0.01	Mol %	0.01					20		
Ethane		<0.01	Mol %	0.01					20		
Propane		<0.01	Mol %	0.01					20		
Isobutane		<0.01	Mol %	0.01					20		
n-Butane		<0.01	Mol %	0.01					20		
Isopentane		<0.01	Mol %	0.01					20		
n-Pentane		<0.01	Mol %	0.01					20		
Hexanes plus		<0.01	Mol %	0.01					20		
Lab ID: LCS111023	11 Laboratory Control Sample			Run: GCNGA-B_231110A				11/10/23 13:48			
Oxygen		0.60	Mol %	0.01	120	70	130				
Nitrogen		6.10	Mol %	0.01	102	70	130				
Carbon Dioxide		1.00	Mol %	0.01	101	70	130				
Methane		74.5	Mol %	0.01	100	70	130				
Ethane		6.09	Mol %	0.01	101	70	130				
Propane		4.97	Mol %	0.01	101	70	130				
Isobutane		2.01	Mol %	0.01	100	70	130				
n-Butane		2.00	Mol %	0.01	100	70	130				
Isopentane		0.99	Mol %	0.01	99	70	130				
n-Pentane		1.00	Mol %	0.01	100	70	130				
Hexanes plus		0.77	Mol %	0.01	96	70	130				

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



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Billings, MT 406.252.6325 • Casper, WY 307.235.0515
Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23110443

Login completed by: Yvonna E. Smith

Date Received: 11/7/2023

Reviewed by: Icadreau

Received by: srg

Reviewed Date: 11/12/2023

Carrier name: FedEx

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on all shipping container(s)/cooler(s)? Yes No Not Present
- Custody seals intact on all sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Temp Blank received in all shipping container(s)/cooler(s)? Yes No Not Applicable
- Container/Temp Blank temperature: 15.4°C No Ice
- Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4"). Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Contact and Corrective Action Comments:

None



Environment Testing

CHAIN OF CUSTODY RECORD

PAGE: 1 OF 1

Eurofins Environment Testing South Central, LLC
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975
 FAX: 505-345-4107
 Website: www.hallenvironmental.com

SUB CONTRACTOR: Energy Labs -Billings		COMPANY: Energy Laboratories		PHONE: (406) 869-6253	FAX: (406) 252-6069		
ADDRESS: 1120 South 27th Street		ACCOUNT #:		EMAIL:			
CITY, STATE, ZIP: Billings, MT 59107							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2311229-001B	Influent Zone 02+04	TEDLAR	Air	11/3/2023 2:20:00 PM	1	Natural Gas Analysis <i>B23110443</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.

Relinquished By: <i>[Signature]</i>	Date: 11/6/2023	Time: 2:48 PM	Received By:	Date:	Time:	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE
Relinquished By:	Date:	Time:	Received By: <i>[Signature]</i>	Date:	Time:	FOR LAB USE ONLY Temp of samples _____ °C Attempt to Cool? _____ Comments: _____
Relinquished By:	Date:	Time:	Received By: <i>[Signature]</i>	Date: 11/7/23	Time: 09:15	
TAT: Standard <input checked="" type="checkbox"/>			RUSH <input type="checkbox"/>	Next BD <input type="checkbox"/>	2nd BD <input type="checkbox"/>	
					3rd BD <input type="checkbox"/>	



Environment Testin

Eurofins Environment Testing South Central, LLC
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: 2311229 RcptNo: 1

Received By: Tracy Casarrubias 11/4/2023 9:00:00 AM

Completed By: Tracy Casarrubias 11/4/2023 12:24:22 PM

Reviewed By: *Cmc* 11/6/23

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 *✓ 11/4/23*

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: *TMC 11/4/23*

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: Mailing address, phone number and Email/Fax are missing on COC- TMC 11/4/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	N/A	Good	Yes			

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: Dakley Hayes

Mailing Address:

Florence GC 5 16A

Turn-Around Time:

Standard Rush

Project Name:

Florence GC 5 16A

Project #:

Project Manager:

D. Burns

Sampler:

Danny Burns

On Ice:

Yes No

of Coolers:

1

Cooler Temp (including CF):

20.0

Container Type and #

2 Tedlar

Preservative Type

—

HEAL No.

2311229

001

Date

11/3/23

Time

14:20

Matrix

Air

Sample Name

Influent Zone 02404

Relinquished by:

[Signature]

Time:

11/3/23 1440

Relinquished by:

[Signature]

Time:

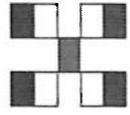
11/3/23 1840

Relinquished by:

[Signature]

Time:

11/3/23 1900



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

<input checked="" type="checkbox"/>	TPH:80150(GRO/DRO/MRO)	
<input checked="" type="checkbox"/>	8081 Pesticides/8082 PCBs	
<input type="checkbox"/>	EDB (Method 504.1)	
<input type="checkbox"/>	PAHs by 8310 or 8270SIMS	
<input type="checkbox"/>	RCRA 8 Metals	
<input type="checkbox"/>	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
<input checked="" type="checkbox"/>	8260 (VOA) Full	
<input type="checkbox"/>	8270 (Semi-VOA)	
<input type="checkbox"/>	Total Coliform (Present/Absent)	X Fixed Gas

Remarks:

cc. ecarroll
dburns@ensolwm.com
b herb

Received by: [Signature]

Date

11/3/23 1446

Received by: [Signature]

Date

11/4/23 9:00



Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

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

RE: Florance GC J 16A

OrderNo.: 2311A08

Dear Danny Burns:

Eurofins Environment Testing South Central, LLC received 1 sample(s) on 11/18/2023 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 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 do not hesitate to contact Eurofins Albuquerque 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".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2311A08**

Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Influent Zone 02+04

Project: Florance GC J 16A

Collection Date: 11/17/2023 1:05:00 PM

Lab ID: 2311A08-001

Matrix: AIR

Received Date: 11/18/2023 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	340	10		µg/L	2	11/21/2023 11:37:42 AM	GA10134
Surr: BFB	357	15-412		%Rec	2	11/21/2023 11:37:42 AM	GA10134
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.20		µg/L	2	11/21/2023 11:37:42 AM	BA10134
Toluene	0.76	0.20		µg/L	2	11/21/2023 11:37:42 AM	BA10134
Ethylbenzene	0.51	0.20		µg/L	2	11/21/2023 11:37:42 AM	BA10134
Xylenes, Total	4.0	0.40		µg/L	2	11/21/2023 11:37:42 AM	BA10134
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	2	11/21/2023 11:37:42 AM	BA10134

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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.		



Environment Testin

Eurofins Environment Testing South Central, LLC
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: 2311A08 RcptNo: 1
Received By: Tracy Casarrubias 11/18/2023 7:00:00 AM
Completed By: Tracy Casarrubias 11/19/2023 7:51:08 AM
Reviewed By: [Signature] 11-20-23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [] No [x] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH:
Adjusted?
Checked by: [Signature] 11/20/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [x]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: Mailing address and phone number are missing on COC - TMC 11/18/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, NA, Good, Yes, [], [], []

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: Oakley Hayes

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation: Az Compliance NELAC Other

EDD (Type) AF

Turn-Around Time:

Standard Rush

Project Name: Florange GC 5 16A

Project #:

Project Manager: aburns @ ensolvm .com

Donny Burns

Sampler: DB/ZM

On Ice: Yes No

of Coolers: 1

Container Type and # 2-Tdr

Preservative Type —

Cooler Temp (including CF): N/A (°C)

HEAL No. 7311A08

Date: 11-17-23 Time: 13:05

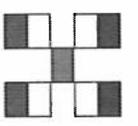
Matrix: Air Sample Name: Influent Zone 02404

Relinquished by: [Signature]

Date: 11-17-23 Time: 15:25

Received by: [Signature] Via: Carroll Date: 11/17/23 Time: 15:25

Date: 11/17/23 Time: 18:00



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/ TMB's (8021)
- TPH:8015D(GRO / DRO / MRO)
- 8081 Pesticides/8082 PCB's
- EDB (Method 504.1)
- PAHs by 8310 or 8270SIMS
- RCRA 8 Metals
- Cl, F, Br, NO₃, NO₂, PO₄, SO₄
- 8260 (VOA)
- 8270 (Semi-VOA)
- Total Coliform (Present/Absent)

Remarks: cc: Carroll @ ensolvm .com

Zmyers @ ensolvm .com



Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 03, 2024

Oakley Hayes

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Florance GCJ 16A

OrderNo.: 2312985

Dear Oakley Hayes:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 12/16/2023 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 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 do not hesitate to contact Eurofins Albuquerque 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".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2312985

Date Reported: 1/3/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: MW-18

Project: Florance GCJ 16A

Collection Date: 12/15/2023 12:45:00 PM

Lab ID: 2312985-001

Matrix: GROUNDWA

Received Date: 12/16/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	1.0		µg/L	1	12/24/2023 3:00:00 PM	BW1020
Toluene	ND	1.0		µg/L	1	12/24/2023 3:00:00 PM	BW1020
Ethylbenzene	ND	1.0		µg/L	1	12/24/2023 3:00:00 PM	BW1020
Xylenes, Total	ND	2.0		µg/L	1	12/24/2023 3:00:00 PM	BW1020
Surr: 4-Bromofluorobenzene	102	52.4-148		%Rec	1	12/24/2023 3:00:00 PM	BW1020

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	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.		

Analytical Report

Lab Order 2312985

Date Reported: 1/3/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: MW-22

Project: Florance GCJ 16A

Collection Date: 12/15/2023 12:45:00 PM

Lab ID: 2312985-002

Matrix: GROUNDWA

Received Date: 12/16/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	2.0		µg/L	2	12/24/2023 4:06:00 PM	BW1020
Toluene	ND	2.0		µg/L	2	12/24/2023 4:06:00 PM	BW1020
Ethylbenzene	ND	2.0		µg/L	2	12/24/2023 4:06:00 PM	BW1020
Xylenes, Total	ND	4.0		µg/L	2	12/24/2023 4:06:00 PM	BW1020
Surr: 4-Bromofluorobenzene	99.1	52.4-148		%Rec	2	12/24/2023 4:06:00 PM	BW1020

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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.		

Analytical Report

Lab Order 2312985

Date Reported: 1/3/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: MW-24

Project: Florance GCJ 16A

Collection Date: 12/15/2023 1:00:00 PM

Lab ID: 2312985-003

Matrix: GROUNDWA

Received Date: 12/16/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	1.0		µg/L	1	12/24/2023 4:28:00 PM	BW1020
Toluene	ND	1.0		µg/L	1	12/24/2023 4:28:00 PM	BW1020
Ethylbenzene	ND	1.0		µg/L	1	12/24/2023 4:28:00 PM	BW1020
Xylenes, Total	ND	2.0		µg/L	1	12/24/2023 4:28:00 PM	BW1020
Surr: 4-Bromofluorobenzene	119	52.4-148		%Rec	1	12/24/2023 4:28:00 PM	BW1020

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312985

03-Jan-24

Client: Harvest
Project: Florance GCJ 16A

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSW	Batch ID: BW102094	RunNo: 102094								
Prep Date:	Analysis Date: 12/24/2023	SeqNo: 3768318			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	97.5	70	130			
Toluene	20	1.0	20.00	0	99.1	70	130			
Ethylbenzene	20	1.0	20.00	0	102	70	130			
Xylenes, Total	62	2.0	60.00	0	103	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		105	52.4	148			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBW	Batch ID: BW102094	RunNo: 102094								
Prep Date:	Analysis Date: 12/24/2023	SeqNo: 3768319			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	52.4	148			

Sample ID: 2312985-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: MW-18	Batch ID: BW102094	RunNo: 102094								
Prep Date:	Analysis Date: 12/24/2023	SeqNo: 3768321			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.3	70	130			
Toluene	18	1.0	20.00	0	90.8	70	130			
Ethylbenzene	19	1.0	20.00	0	93.0	70	130			
Xylenes, Total	56	2.0	60.00	0	93.6	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		104	52.4	148			

Sample ID: 2312985-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: MW-18	Batch ID: BW102094	RunNo: 102094								
Prep Date:	Analysis Date: 12/24/2023	SeqNo: 3768322			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	88.4	70	130	1.02	20	
Toluene	18	1.0	20.00	0	90.3	70	130	0.591	20	
Ethylbenzene	18	1.0	20.00	0	92.4	70	130	0.578	20	
Xylenes, Total	56	2.0	60.00	0	93.2	70	130	0.405	20	
Surr: 4-Bromofluorobenzene	20		20.00		102	52.4	148	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 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



Environment Testin

Eurofins Environment Testing South Central, LLC
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: 2312985 RcptNo: 1
Received By: Tracy Casarrubias 12/16/2023 7:35:00 AM
Completed By: Tracy Casarrubias 12/16/2023 8:37:31 AM
Reviewed By: [Signature] 12/18/23

Chain of Custody

- 1. Is Chain of Custody complete? Yes [] No [x] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [x]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: Mailing address and phone number are missing on COC- TMC 12/16/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.9, Good, Yes, Morty, [], []

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 309404

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 309404
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Q3/Q4 Semi-Annual Remediation System Operation and Monitoring Report: Content Satisfactory 1.Continue to remove LNAPL where removable thickness amounts are conveyed. 2. Cycle in between remediation zones as planned and continue O&M of system biweekly. 3. Repair piping as planned and place field notes of that repair in next report to OCD. 4. Conduct air sampling for system for CO2, TPH, VOCs, and O2. 5. Submit next semi-annual report for 2024 by September 1, 2024.	4/10/2024