

REVIEWED

By NVelez at 7:56 am, Aug 05, 2024

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 3Q & 4Q 2024 bi-annual report by January 15, 2024.



ENSOLUM

Environmental, Engineering and
Hydrogeologic Consultants

2024 Q1/Q2 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

July 12, 2024
Ensolum Project No. 07B2002007

Prepared for:

New Mexico Oil Conservation Division - District III
New Mexico Energy, Minerals, and Natural Resources Department
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2024 Q1/Q2 Semi-Annual – Remediation System Operation and Monitoring Report

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1.0 INTRODUCTION

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this *2024 Q1/Q2 Semi-Annual - Remediation System Operation and Monitoring Report* summarizing remediation system performance during the first two quarters of 2024 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 December 27, 2023, through June 21, 2024.

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 hydrocarbon vapor 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, previous consultants, and Ensolum.

3.0 SYSTEM OPERATION AND MONITORING

Regular bi-weekly to monthly system operations and maintenance activities were performed through the first half of 2024, except during a period of unplanned downtime as noted below. These site visits and monitoring events, including the final visit of the quarter performed on June 21, 2024, are summarized in tables enclosed at the end of this report. As proposed in the previous

semi-annual report, remediation efforts in the first half of 2024 were focused on Zone 2 and Zone 4.

Due to a faulty heat dump vent remaining open in the blower shed during the night of January 8, 2024, the liquid within various system components, including the liquid transfer pump and associated piping, froze causing the components to crack. The damage led to a full system shutdown on the morning of the 9th. The shutdown was assessed by Ensolum personnel on January 12, 2024, and again on January 16, 2024. Replacement parts were procured throughout the first quarter of 2024 and the cracked piping and transfer pump were replaced. During the required repairs, adjacent components were also replaced due to significant scale build up. The system was brought back online on April 4, 2024.

On May 22, 2024, a shutdown alarm was noted for the DPE system. Ensolum personnel arrive on-site on May 22, 2024, and observed that the rotary claws in blower B-702 were rubbing and causing significant wear. The DPE was returned to operation with only blower B-701 running. Ensolum will continue to troubleshoot the blower issues into the second half of 2024.

3.1 Vapor Recovery

Remediation system runtime is listed in Table 1, with an average first half of 2024 runtime of 50 percent (%) during the first half of 2024, due to 86 days of downtime while the system was repaired as noted above. The system has had cumulative overall run time of 90% since installation in May 2018.

Influent vapor samples from the DPE system were collected following the system restart on April 4, 2024, and after cycling remediation zones on June 21, 2024. Influent vapor 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 Eurofins Environmental Testing Laboratory (Eurofins) in Albuquerque, New Mexico for analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015D, full list 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 half of 2024 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 and the total mass of GRO removed thus far are 3,657 pounds (lbs) and 54,523 lbs, respectively. After April 4, 2024, following system restart, the calculated BTEX and GRO mass removal rates based on field and analytical results were approximately 0.074 lbs per day and 11.79 lbs per day, respectively. During the first half of 2024, a total of 15.9 lbs of BTEX and a total of 1,573 lbs of GRO were removed through June 21, 2024. Vapor 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 June 21, 2024, approximately 368,519 gallons of liquid have been recovered. The impacted groundwater and recovered LNAPL are emulsified and homogenously 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 first half of 2024. 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 first half of 2024 on June 20 and 21, 2024, as proposed in the fourth quarter 2019, *Quarterly Remediation System Operation and Monitoring Report*. During the June 2024 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 first half of 2024. Groundwater samples were collected from eight monitoring wells. Monitoring wells were sampled only 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 sampling event taking place in the fourth quarter of 2024.

5.1 Groundwater Gauging

All monitoring and remediation wells were gauged for depth to LNAPL, if present, and depth to water on February 8, 2024, and June 20, 2024. During the February gauging event, only wells SB-01 and MW-12 had detectable LNAPL, with thicknesses of 0.08 feet and 0.42 feet, respectively. During the June gauging event no wells contained detectable LNAPL; however, monitoring well MW12, which has historically contained LNAPL, was dry during the second quarter gauging event and, therefore, a correlation in product thickness cannot be made. Groundwater elevations and LNAPL thicknesses are summarized in Table 6. The estimated groundwater flow direction continues to be towards the southeast. Figures 2 and 3 depict the groundwater elevations, flow direction, and LNAPL thicknesses for the February and June gauging events, respectively.

5.2 Groundwater Analytical Results

A total of eight monitoring and remediation wells were sampled on June 20 and 21, 2024, and submitted for laboratory analysis of BTEX by EPA Method 8021. Six of the monitoring wells sampled were in compliance with the New Mexico Water Quality Control Commission (NMWQCC) standards for BTEX. Monitoring wells MW-14 and SB-19 exceeded NMWQCC standards for benzene with concentrations of 18 micrograms per liter ($\mu\text{g/L}$) and 57 $\mu\text{g/L}$, respectively. Groundwater analytical results are summarized in Table 7 and depicted on Figure 4.

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 first half of 2024, the DPE system was focused on remediation Zone 2 and Zone 4. Following the May shutdown of blower B-702, the DPE system was focused on a subset of wells based on the level of historical impacts in those specific locations. The system will continue to operate on the subset of wells while blower B-702 troubleshooting efforts are underway.

During the second 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;
- 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 15 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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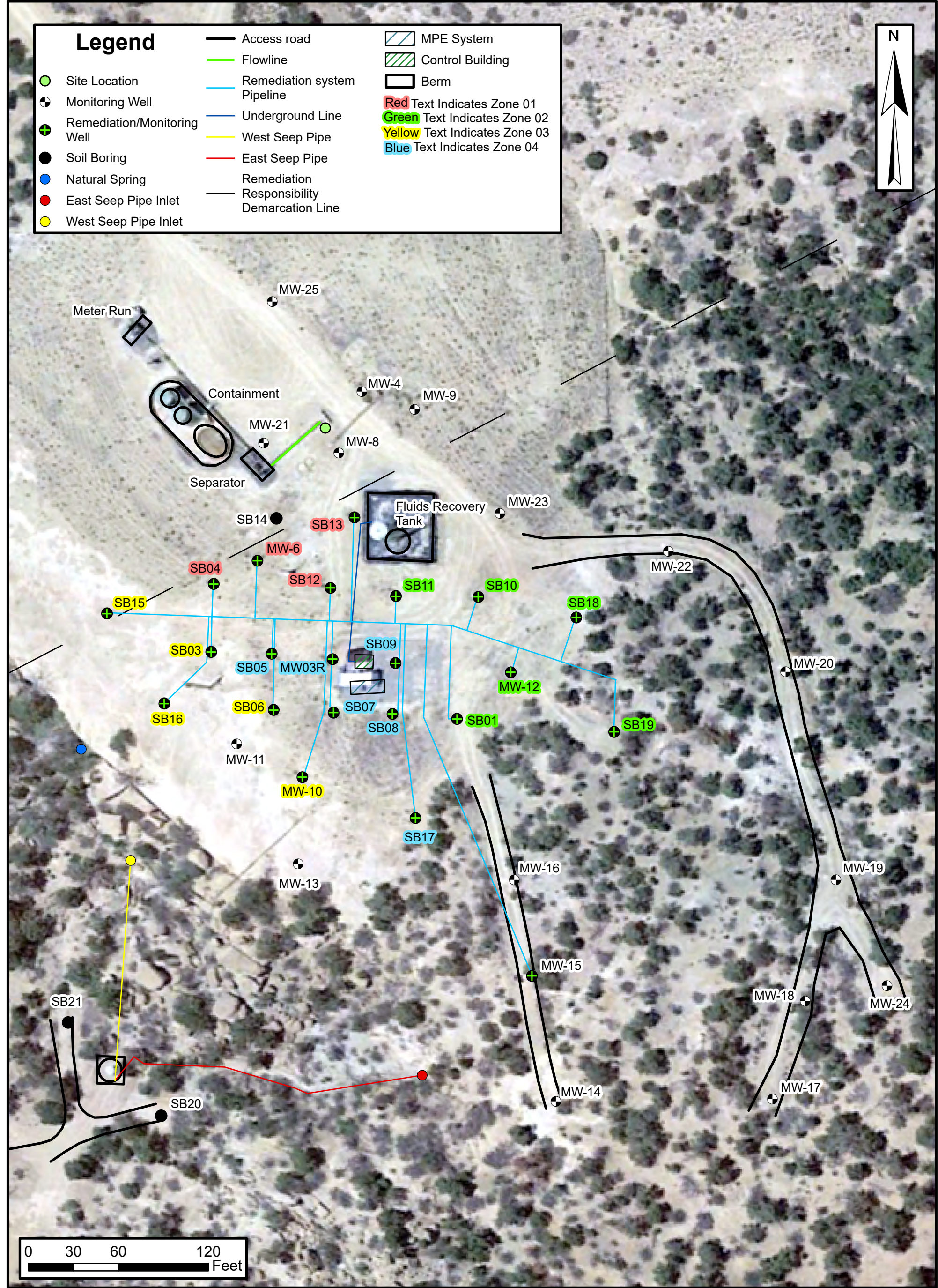
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cc: Monica Smith, Harvest Four Corners, LLC



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

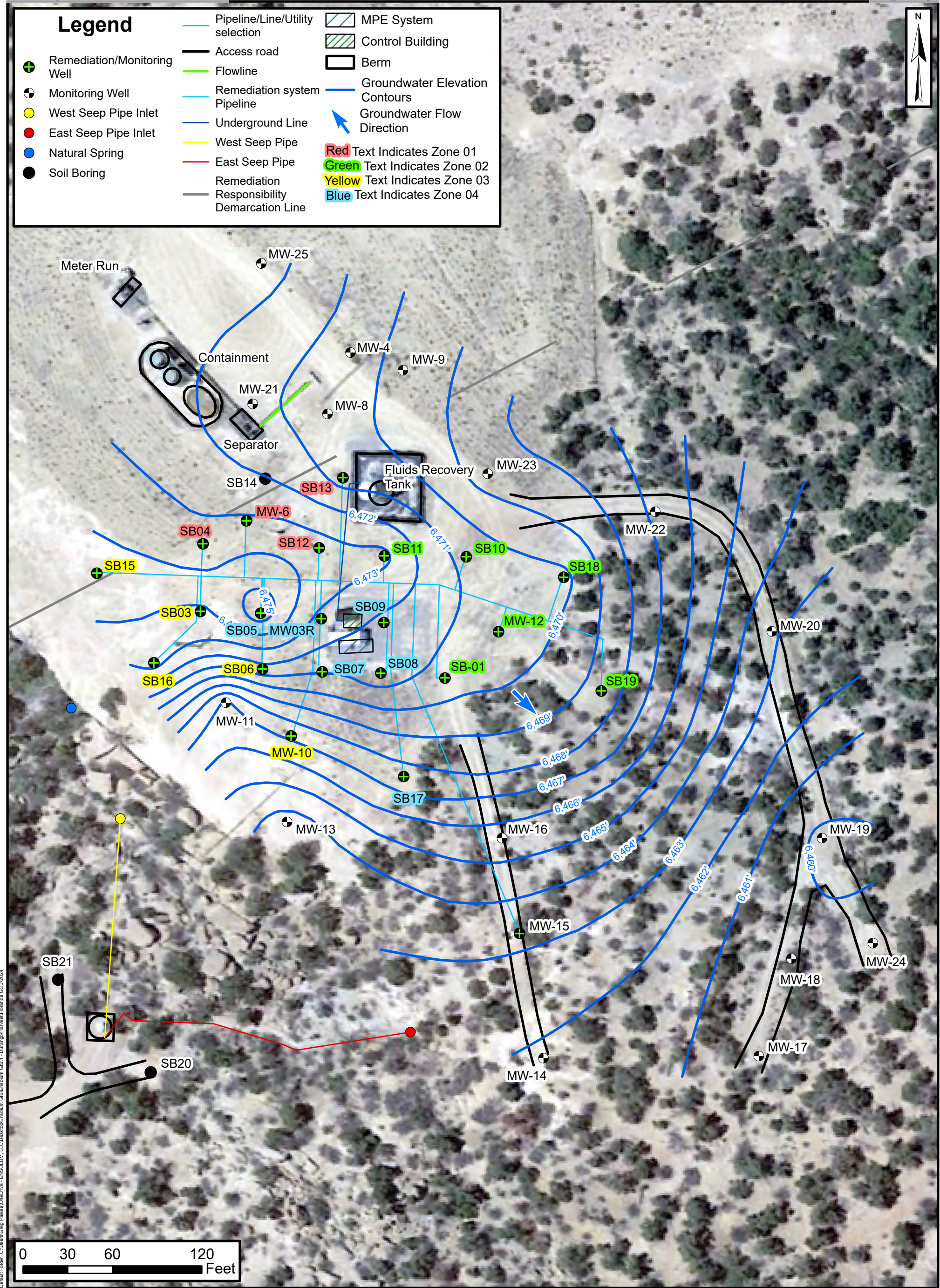




Florance GC J#16A
Harvest Four Corners, LLC

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

2

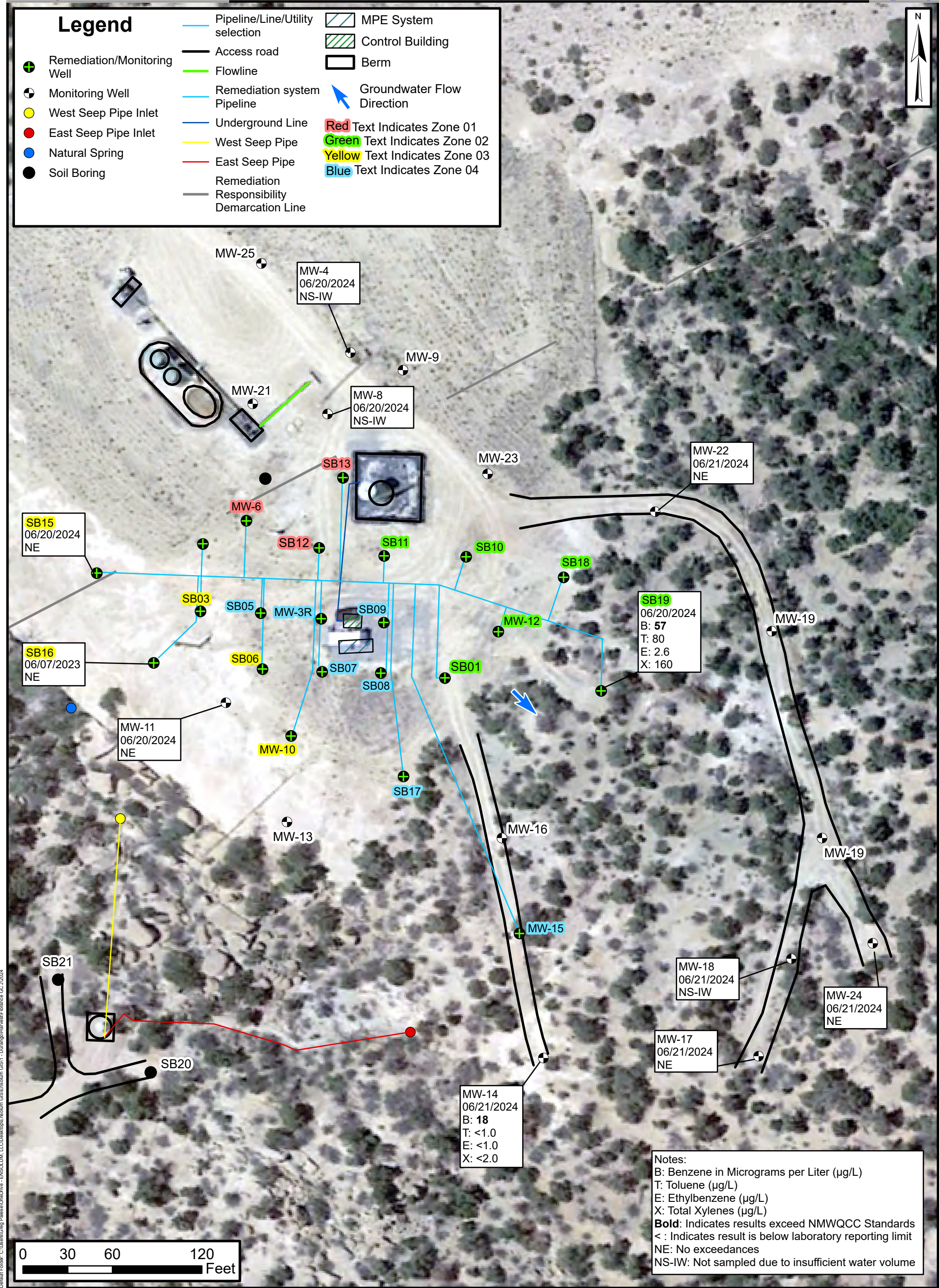


Groundwater Potentiometric Map June 2024

Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE
3





ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants

Groundwater Analytical Results

June 2024

Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE

4



TABLES



TABLE 1
REMEDIATION SYSTEM OPERATIONAL RUN-TIME FIRST HALF 2024
 Florance GCJ #16A
 Harvest Four Corners, LLC
 San Juan County, New Mexico

Date/Time of Reading	System Hour Runtime	Cumulative Run Time (%)	Q1/Q2 2024 Run Time (%)	Notes
5/1/18 0:00	0			
5/4/18 9:00	42	START UP		
Earlier Data Provided in Previous Quarterly Reports				
1/9/2024 8:32	46,504	93%	100%	System down, piping burst do to freeze
4/4/2024 14:10	46,506	90%	9%	Replace piping, empty and clean KO tank. System back online
4/11/2024 13:00	46,673	90%	15%	Replace flex tubing assembly in SB-10
5/2/2024 12:00	47,176	90%	30%	Replace rotameter on SB07, add 1 liter to auto oiler
5/21/2024 11:10	47,630	90%	39%	Routine O&M, no changes
6/14/2024 13:15	48,208	90%	48%	Routine O&M, no changes
6/21/2024 12:05	48,358	90%	50%	Semi-annual GW sampling 6/20 and 6/21. Diagnose blower issues

Average 1st Half 2024 Run Time 50%

Cumulative Run Time from Start up to June 21, 2024 90%

Notes:

% - percent

Dashed line indicates quarter change

-- : not applicable/not collected



TABLE 2		
EXTRACTED VAPOR ANALYTICAL DATA - FIRST HALF 2024		
Florance GCJ #16A		
Harvest Four Corners, LLC		
San Juan County, New Mexico		
Collection Date:	4/4/2024	6/21/2024
Collection Time:	15:30	13:00
Active Remediation Zone:	2&4	2
Benzene (µg/L)	0.60	<0.50
Toluene (µg/L)	0.52	<0.50
Ethylbenzene (µg/L)	0.75	<0.50
Xylenes, Total (µg/L)	2.9	1.1
GRO (µg/L)	780	160
Total BTEX (µg/L):	4.77	1.10
PID Reading (ppm)	87	72.3

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 - FIRST HALF 2024
Florance GCJ #16A
Harvest Four Corners, LLC
San Juan County, New Mexico

Date/Time	Influent BTEX (mg/m ³)	Influent GRO (mg/m ³)	Active Remediation Zone	Air Flow Rate (scfm)	Time Period (hr:min:sec)	Time Period (min)	BTEX Mass Removed (lbs)	BTEX Gal Removed (@0.755 g/cm ³)	BTEX Mass Removal Rate (lbs/day)	BTEX Mass Removal Rate (ton/yr)	GRO Mass Removed (lbs) ⁽¹⁾	GRO Gal Removed (@0.755 g/cm ³)	GRO Mass Removal Rate (lbs/day)	GRO Mass Removal Rate (ton/yr)
Earlier Data Provided in Previous Reports														
1/9/24 8:32	--	--	2&4	--	1269:32:00	76,172	10.2	1.61	0.192	0.035	655	104.02	12.39	2.26
4/4/24 15:30	4.77	780	2&4	425	0:00:00	0	0.0	0.00	0.000	0.000	0	0.00	0.00	0.00
6/21/24 13:00	1.10	160	2	134	1869:30:00	112,170	5.7	0.91	0.074	0.013	918	145.77	11.79	2.15
Total Quantity of BTEX Removed 1st Half 2024					16 lbs		2.5 gal		0.060 bbl					
Total Quantity of BTEX Removed Since Start-up May 2018					3,657 lbs		670.6 gal		16.0 bbl					
Total Quantity of GRO Removed 1st Half 2024					1,574 lbs		249.8 gal		5.95 bbl					
Total Quantity of GRO Removed Since Start-up May 2018					54,523 lbs		8744.6 gal		208.2 bbl					

Notes:

bbl - barrel
BTEX - benzene, toluene, ethylbenzene, total xylenes
GRO - gasoline range organics
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)
GRO Mass Removed (lbs) = Influent GRO (mg/m³)*Air Flow Rates (scfm)*(1 m³/35.3147 ft³)*(1 lb/453,592 mg)*Time Period (min)
(1) Most recent GRO analytical results used to calculate mass removal for dates where GRO data was not collected.



TABLE 4
LIQUID RECOVERY - FIRST HALF 2024
 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										
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
4/4/24 14:10	46,506	333,012	1,770	360,312	--	2378:30:00	142,710	0.01	18	Zone 2 & 4 Active
5/2/24 12:00	47,176	335,679	2,667	362,979	--	669:50:00	40,190	0.07	96	Zone 2 & 4 Active
5/21/24 11:10	47,630	338,895	3,216	366,195	3,360	455:10:00	27,310	0.12	170	Zone 2 & 4 Active
6/14/24 13:15	48,208	340,631	1,737	367,931	--	578:05:00	34,685	0.05	72	Zone 2 & 4 Active
6/21/24 12:05	48,358	341,219	588	368,519	--	166:50:00	10,010	0.06	85	Zone 2 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:	368,519 Gal
	8,774 bbl



TABLE 5 DPE SYSTEM OPERATIONS - FIRST HALF 2024 Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well ID	Date		4/4/2024	4/11/2024	5/2/2024	5/21/2024
Active Zone			2&4	2&4	2&4	2
MW-12	WH Vac (Online)	inHg	--	--	--	15.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	--	--	--	17.5
	PID	ppm	--	--	--	--
	Flow	scfm	--	--	--	38
SB-01	WH Vac (Online)	inHg	--	10.0	9.5	12.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	13.0	13.5	12.5	12.0
	PID	ppm	--	23.4	26.0	--
	Flow	scfm	18	62	35	40
SB-10	WH Vac (Online)	inHg	--	11.0	11.5	--
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	--	13.0	12.0	--
	PID	ppm	--	16.1	3.3	--
	Flow	scfm	--	42	22	--
SB-11	WH Vac (Online)	inHg	--	--	9.0	8.5
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	13.0	13.0	12.5	14.5
	PID	ppm	--	--	6.0	15.1
	Flow	scfm	40	52	50	15
SB-18	WH Vac (Online)	inHg	--	13.0	12.5	14.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	11.0	12.0	12.5	12.5
	PID	ppm	--	13.6	19.0	45.0
	Flow	scfm	36	26	40	40
SB-19	WH Vac (Online)	inHg	--	--	11.5	19.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.5	13.0	11.0	14.5
	PID	ppm	--	--	89.4	22.1
	Flow	scfm	65	38	40	25



TABLE 5 DPE SYSTEM OPERATIONS - FIRST HALF 2024 Florance GCJ #16A Harvest Four Corners, LLC San Juan County, New Mexico						
Well ID	Date		4/4/2024	4/11/2024	5/2/2024	5/21/2024
Active Zone			2&4	2&4	2&4	2
MW-3R	WH Vac (Online)	inHg	--	--	12.5	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.5	--	11.5	--
	PID	ppm	--	--	14.2	--
	Flow	scfm	38	--	15	--
SB-05	WH Vac (Online)	inHg	--	--	12.5	15.0
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.5	13.0	11.5	14.5
	PID	ppm	--	--	16.5	20.9
	Flow	scfm	48	58	23	50
SB-07	WH Vac (Online)	inHg	--	--	13.5	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.5	--	13.0	--
	PID	ppm	--	--	6.0	--
	Flow	scfm	50	--	--	--
SB-08	WH Vac (Online)	inHg	--	--	11.5	11.5
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.0	12.5	12.0	12.5
	PID	ppm	--	--	12.6	4.8
	Flow	scfm	60	70	45	25
SB-09	WH Vac (Online)	inHg	--	--	12.5	14.0
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--
	Mani Vac	inHg	12.5	13.0	12.0	15
	PID	ppm	--	--	10.9	13.9
	Flow	scfm	70	65	72	40
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	425	413	342	245
						134

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
		2/8/2024	30.94	30.86	0.08	6,471.03
		6/20/2024	31.29	--	--	6,470.67
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
		2/8/2024	21.80	--	--	6,473.21
		6/20/2024	DRY	--	--	DRY
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
		2/8/2024	26.46	--	--	6,473.15
		6/20/2024	26.37	--	--	6,473.24
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
		2/8/2024	24.75	--	--	6,474.01
		6/20/2024	23.08	--	--	6,475.68
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
		2/8/2024	24.10	--	--	6,472.02
		6/20/2024	24.40	--	--	6,471.72



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)
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
		2/8/2024	27.17	--	--	6,473.12
		6/20/2024	29.21	--	--	6,471.08
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
		2/8/2024	30.54	--	--	6,471.71
		6/20/2024	30.61	--	--	6,471.64
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
		2/8/2024	32.68	--	--	6,471.50
		6/20/2024	32.44	--	--	6,471.74
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
		2/8/2024	DRY	--	--	DRY
		6/20/2024	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
		2/8/2024	32.01	--	--	6,473.60
		6/20/2024	32.35	--	--	6,473.26



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)
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
		2/8/2024	34.68	--	--	6,473.74
		6/20/2024	35.03	--	--	6,473.39
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
		2/8/2024	34.20	--	--	6,470.69
		6/20/2024	34.36	--	--	6,470.53
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
		2/8/2024	20.42	--	--	6,473.89
		6/20/2024	20.31	--	--	6,474.00
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
		2/8/2024	18.90	--	--	6,473.17
		6/20/2024	18.59	--	--	6,473.48
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
		2/8/2024	21.56	--	--	6471.01
		6/20/2024	DRY	--	--	DRY



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)
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
		2/8/2024	36.52	--	--	6,469.86
		6/20/2024	36.09	--	--	6,470.29
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
		2/8/2024	35.46	--	--	6,468.53
		6/20/2024	35.20	--	--	6,468.79
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
		2/8/2024	25.82	--	--	6,477.04
		6/20/2024	30.22	--	--	6,472.64
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	--	--	--
		2/8/2024	NM	--	--	--
		6/20/2024	DRY	--	--	--
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	--	--	--
		2/8/2024	31.95	--	--	--
		6/20/2024	32.24	--	--	--



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-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	--	--	--
		2/8/2024	34.95	--	--	--
		6/20/2024	DRY	--	--	--
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	--	--	--
		2/8/2024	NM	--	--	--
		6/20/2024	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	--	--	--
		2/8/2024	22.25	--	--	--
		6/20/2024	22.67	--	--	--
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
		2/8/2024	25.82	--	--	6,467.03
		6/20/2024	26.10	--	--	6,466.75
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
		2/8/2024	33.37	32.95	0.42	6,470.54
		6/20/2024	DRY	--	--	DRY



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-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
		2/8/2024	23.54	--	--	6,466.49
		6/20/2024	26.43	--	--	6,463.60
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
		2/8/2024	15.18	--	--	6,461.04
		6/20/2024	14.56	--	--	6,461.66
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
		2/8/2024	16.40	--	--	6,461.97
		6/20/2024	DRY	--	--	DRY
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
		2/8/2024	22.71	--	--	6,464.86
		6/20/2024	DRY	--	--	DRY
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
		2/8/2024	22.61	--	--	6,460.69
		6/20/2024	22.65	--	--	6,460.65



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
		2/8/2024	24.87	--	--	6,460.35
		6/20/2024	25.17	--	--	6,460.05
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
		2/8/2024	31.96	--	--	6,460.39
		6/20/2024	32.61	--	--	6,459.74
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
		2/8/2024	29.54	--	--	6,463.84
		6/20/2024	30.24	--	--	6,463.14
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
		2/8/2024	36.89	--	--	6,471.26
		6/20/2024	36.96	--	--	6,471.19
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
		2/8/2024	30.43	--	--	6,466.72
		6/20/2024	30.37	--	--	6,466.78



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-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
		2/8/2024	37.34	--	--	6,468.61
		6/20/2024	37.56	--	--	6,468.39
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
		2/8/2024	30.20	--	--	6,460.51
		6/20/2024	30.28	--	--	6,460.43
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
		2/8/2024	35.07	--	--	6,472.58
		6/20/2024	35.17	--	--	6,472.48

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			
SB11	6/4/2020	NS			
	9/17/2020	NS			
	6/7/2023	1,400	<10	130	770



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
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
	6/20/2024	<1.0	<1.0	<1.0	<2.0
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
	6/20/2024	<1.0	<1.0	<1.0	<2.0
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			
	6/20/2024	57	80	2.6	160
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
	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
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-12	6/20/2024	<1.0	<1.0	<1.0	<2.0
	6/4/2020	NS-LNAPL			
	9/17/2020	NS-LNAPL			
	6/6/2023	NS-LNAPL			
MW-12	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
	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
	6/21/2024	18	<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
	6/21/2024	<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
	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
	6/21/2024	<1.0	<1.0	<1.0	<2.0
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
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



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

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Oakley Hayes
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Generated 4/13/2024 10:16:58 AM

JOB DESCRIPTION

Florance GC J16A

JOB NUMBER

885-2471-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Released to Imaging: 8/15/2024 10:24:06 AM
See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
4/13/2024 10:16:58 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Harvest
Project/Site: Florance GC J16A

Laboratory Job ID: 885-2471-1



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Definitions/Glossary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Harvest
Project: Florance GC J16A

Job ID: 885-2471-1

Job ID: 885-2471-1Eurofins Albuquerque

Job Narrative
885-2471-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 4/5/2024 7:55 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

Client Sample ID: Influent 4-4-2024

Lab Sample ID: 885-2471-1

Date Collected: 04/04/24 15:30

Matrix: Air

Date Received: 04/05/24 07:55

Sample Container: Tedlar Bag 1L

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	780		10	ug/L			04/11/24 14:12	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	367		15 - 412				04/11/24 14:12	2
Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.60		0.20	ug/L			04/11/24 14:12	2
Ethylbenzene	0.52		0.20	ug/L			04/11/24 14:12	2
Toluene	0.75		0.20	ug/L			04/11/24 14:12	2
Xylenes, Total	2.9		0.40	ug/L			04/11/24 14:12	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				04/11/24 14:12	2

QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-3177/13

Matrix: Air

Analysis Batch: 3177

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	ug/L			04/11/24 12:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 412				04/11/24 12:14	1

Lab Sample ID: LCS 885-3177/12

Matrix: Air

Analysis Batch: 3177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	50.0	50.5		ug/L		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	207		15 - 412				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-3178/7

Matrix: Air

Analysis Batch: 3178

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10	ug/L			04/11/24 12:14	1
Ethylbenzene	ND		0.10	ug/L			04/11/24 12:14	1
Toluene	ND		0.10	ug/L			04/11/24 12:14	1
Xylenes, Total	ND		0.20	ug/L			04/11/24 12:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				04/11/24 12:14	1

Lab Sample ID: LCS 885-3178/6

Matrix: Air

Analysis Batch: 3178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2.00	1.68		ug/L		84	70 - 130
Ethylbenzene	2.00	1.72		ug/L		86	70 - 130
m&p-Xileno	4.00	3.48		ug/L		87	70 - 130
o-Xylene	2.00	1.69		ug/L		84	70 - 130
Toluene	2.00	1.69		ug/L		85	70 - 130
Xylenes, Total	6.00	5.17		ug/L		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	86		70 - 130				

Eurofins Albuquerque

QC Association Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

GC VOA

Analysis Batch: 3177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2471-1	Influent 4-4-2024	Total/NA	Air	8015D	
MB 885-3177/13	Method Blank	Total/NA	Air	8015D	
LCS 885-3177/12	Lab Control Sample	Total/NA	Air	8015D	

Analysis Batch: 3178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2471-1	Influent 4-4-2024	Total/NA	Air	8021B	
MB 885-3178/7	Method Blank	Total/NA	Air	8021B	
LCS 885-3178/6	Lab Control Sample	Total/NA	Air	8021B	

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Lab Chronicle

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

Client Sample ID: Influent 4-4-2024

Lab Sample ID: 885-2471-1

Date Collected: 04/04/24 15:30

Matrix: Air

Date Received: 04/05/24 07:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015D		2	3177	JP	EET ALB	04/11/24 14:12
Total/NA	Analysis	8021B		2	3178	JP	EET ALB	04/11/24 14:12

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-2471-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015D		Air	Gasoline Range Organics [C6 - C10]
8021B		Air	Benzene
8021B		Air	Ethylbenzene
8021B		Air	Toluene
8021B		Air	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015D		Air	Gasoline Range Organics [C6 - C10]
8021B		Air	Benzene
8021B		Air	Ethylbenzene
8021B		Air	Toluene
8021B		Air	Xylenes, Total

Chain-of-Custody Record

Client: Harvest Four CornersAttn: Monica Smith

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other _____☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Florance GG J16A

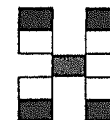
Project #:

Project Manager:

Danny BurnsSampler: DBOn Ice: ☒ Yes ☐ No# of Coolers: 1Cooler Temp (including CF): 0.0 to 0.1 = 0.1 (°C)Container
Type and #Preservative
Type

HEAL No.

Date Time Matrix Sample Name

4-4-2024 15:30 Air Influent 4-4-241-Tedler — -1Received by: [Signature] Date Time 4/4/24 1645Via: courier Date Time 4/5/24 7:55Received by: [Signature] Date Time 4/5/24 7:55Via: courier Date Time 4/5/24 7:55HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87110

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

885-2471 COC



Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/> TPH:8015D (GRO / DRO / MRO)	<input type="checkbox"/> 8081 Pesticides/8082 PCB's	<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 type="checkbox"/> 8260 (VOA)	<input type="checkbox"/> 8270 (Semi-VOA)	<input type="checkbox"/> Total Coliform (Present/Absent)										
----------------------------------------------------------------	-----------------------------------------------------------------	-----------------------------------------------------	---------------------------------------------	---------------------------------------------------	----------------------------------------	-----------------------------------------------------------------------------------------------------------	-------------------------------------	------------------------------------------	----------------------------------------------------------	--	--	--	--	--	--	--	--	--	--

Date Time Relinquished by: [Signature]Date Time Relinquished by: [Signature]Date Time Relinquished by: [Signature]Date Time Relinquished by: [Signature]Remarks: b herb
cc: ecarroll
hmishriki
Censdum.com

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

Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-2471-1

Login Number: 2471

List Number: 1

Creator: Proctor, Nancy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Smith
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Generated 7/11/2024 9:54:23 AM

JOB DESCRIPTION

Florance GC J16A

JOB NUMBER

885-6736-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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7/11/2024 9:54:23 AM

Authorized for release by
Michelle Garcia, Project Manager
michelle.garcia@et.eurofinsus.com
(505)345-3975

Client: Harvest
Project/Site: Florance GC J16A

Laboratory Job ID: 885-6736-1

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Definitions/Glossary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Harvest
Project: Florance GC J16A

Job ID: 885-6736-1

Job ID: 885-6736-1

Eurofins Albuquerque

Job Narrative 885-6736-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 6/22/2024 6:25 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.7°C.

Subcontract Work

Method Fixed Gases - Energy Lab: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Client Sample ID: Influent 6-21

Lab Sample ID: 885-6736-1

Date Collected: 06/21/24 13:00

Matrix: Air

Date Received: 06/22/24 06:25

Sample Container: Tedlar Bag 1L

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	160	H	25	ug/L			07/05/24 15:50	5

Method: SW846 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		52 - 172		07/05/24 15:50	5

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	ug/L			07/05/24 14:26	5
1,1,1-Trichloroethane	ND		0.50	ug/L			07/05/24 14:26	5
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L			07/05/24 14:26	5
1,1,2-Trichloroethane	ND		0.50	ug/L			07/05/24 14:26	5
1,1-Dichloroethane	ND		0.50	ug/L			07/05/24 14:26	5
1,1-Dichloroethene	ND		0.50	ug/L			07/05/24 14:26	5
1,1-Dichloropropene	ND		0.50	ug/L			07/05/24 14:26	5
1,2,3-Trichlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,2,3-Trichloropropane	ND		1.0	ug/L			07/05/24 14:26	5
1,2,4-Trichlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,2,4-Trimethylbenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,2-Dibromo-3-Chloropropane	ND		1.0	ug/L			07/05/24 14:26	5
1,2-Dibromoethane (EDB)	ND		0.50	ug/L			07/05/24 14:26	5
1,2-Dichlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,2-Dichloroethane (EDC)	ND		0.50	ug/L			07/05/24 14:26	5
1,2-Dichloropropane	ND		0.50	ug/L			07/05/24 14:26	5
1,3,5-Trimethylbenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,3-Dichlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
1,3-Dichloropropane	ND		0.50	ug/L			07/05/24 14:26	5
1,4-Dichlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
1-Methylnaphthalene	ND		2.0	ug/L			07/05/24 14:26	5
2,2-Dichloropropane	ND		1.0	ug/L			07/05/24 14:26	5
2-Butanone	ND		5.0	ug/L			07/05/24 14:26	5
2-Chlorotoluene	ND		0.50	ug/L			07/05/24 14:26	5
2-Hexanone	ND		5.0	ug/L			07/05/24 14:26	5
2-Methylnaphthalene	ND		2.0	ug/L			07/05/24 14:26	5
4-Chlorotoluene	ND		0.50	ug/L			07/05/24 14:26	5
4-Isopropyltoluene	ND		0.50	ug/L			07/05/24 14:26	5
4-Methyl-2-pentanone	ND		5.0	ug/L			07/05/24 14:26	5
Acetone	ND		5.0	ug/L			07/05/24 14:26	5
Benzene	ND		0.50	ug/L			07/05/24 14:26	5
Bromobenzene	ND		0.50	ug/L			07/05/24 14:26	5
Bromodichloromethane	ND		0.50	ug/L			07/05/24 14:26	5
Dibromochloromethane	ND		0.50	ug/L			07/05/24 14:26	5
Bromoform	ND		0.50	ug/L			07/05/24 14:26	5
Bromomethane	ND		1.5	ug/L			07/05/24 14:26	5
Carbon disulfide	ND		5.0	ug/L			07/05/24 14:26	5
Carbon tetrachloride	ND		0.50	ug/L			07/05/24 14:26	5
Chlorobenzene	ND		0.50	ug/L			07/05/24 14:26	5
Chloroethane	ND		1.0	ug/L			07/05/24 14:26	5

Eurofins Albuquerque

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Client Sample ID: Influent 6-21
Date Collected: 06/21/24 13:00
Date Received: 06/22/24 06:25
Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-6736-1
Matrix: Air

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloroform	ND		0.50	ug/L			07/05/24 14:26	5	
Chloromethane	ND		1.5	ug/L			07/05/24 14:26	5	
cis-1,2-Dichloroethene	ND		0.50	ug/L			07/05/24 14:26	5	
cis-1,3-Dichloropropene	ND		0.50	ug/L			07/05/24 14:26	5	
Dibromomethane	ND		0.50	ug/L			07/05/24 14:26	5	
Dichlorodifluoromethane	ND		0.50	ug/L			07/05/24 14:26	5	
Ethylbenzene	ND		0.50	ug/L			07/05/24 14:26	5	
Hexachlorobutadiene	ND		0.50	ug/L			07/05/24 14:26	5	
Isopropylbenzene	ND		0.50	ug/L			07/05/24 14:26	5	
Methyl-tert-butyl Ether (MTBE)	ND		0.50	ug/L			07/05/24 14:26	5	
Methylene Chloride	ND		1.5	ug/L			07/05/24 14:26	5	
n-Butylbenzene	ND		1.5	ug/L			07/05/24 14:26	5	
N-Propylbenzene	ND		0.50	ug/L			07/05/24 14:26	5	
Naphthalene	ND		1.0	ug/L			07/05/24 14:26	5	
sec-Butylbenzene	ND		0.50	ug/L			07/05/24 14:26	5	
Styrene	ND		0.50	ug/L			07/05/24 14:26	5	
tert-Butylbenzene	ND		0.50	ug/L			07/05/24 14:26	5	
Tetrachloroethene (PCE)	ND		0.50	ug/L			07/05/24 14:26	5	
Toluene	ND		0.50	ug/L			07/05/24 14:26	5	
trans-1,2-Dichloroethene	ND		0.50	ug/L			07/05/24 14:26	5	
trans-1,3-Dichloropropene	ND		0.50	ug/L			07/05/24 14:26	5	
Trichloroethene (TCE)	ND		0.50	ug/L			07/05/24 14:26	5	
Trichlorofluoromethane	ND		0.50	ug/L			07/05/24 14:26	5	
Vinyl chloride	ND		0.50	ug/L			07/05/24 14:26	5	
Xylenes, Total	1.1		0.75	ug/L			07/05/24 14:26	5	
Method: SW846 8260B - Volatile Organic Compounds (GC/MS)									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	96		70 - 130				07/05/24 14:26	5	
Toluene-d8 (Surr)	110		70 - 130				07/05/24 14:26	5	
4-Bromofluorobenzene (Surr)	103		70 - 130				07/05/24 14:26	5	
Dibromofluoromethane (Surr)	98		70 - 130				07/05/24 14:26	5	

QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Method: 8015M/D - Nonhalogenated Organics using GC/MS -Modified (Gasoline Range Organics)

Lab Sample ID: MB 885-7958/3

Matrix: Air

Analysis Batch: 7958

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	ug/L			07/05/24 15:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		52 - 172				07/05/24 15:26	1

Lab Sample ID: LCS 885-7958/2

Matrix: Air

Analysis Batch: 7958

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	500	480		ug/L		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		52 - 172				

Lab Sample ID: 885-6736-1 DU

Matrix: Air

Analysis Batch: 7958

Client Sample ID: Influent 6-21

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	160	H	155		ug/L		0.5	20
Surrogate	DU %Recovery	DU Qualifier	Limits					
4-Bromofluorobenzene (Surr)	103		52 - 172					

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-7920/26

Matrix: Air

Analysis Batch: 7920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10	ug/L			07/05/24 10:37	1
1,1,1-Trichloroethane	ND		0.10	ug/L			07/05/24 10:37	1
1,1,2,2-Tetrachloroethane	ND		0.20	ug/L			07/05/24 10:37	1
1,1,2-Trichloroethane	ND		0.10	ug/L			07/05/24 10:37	1
1,1-Dichloroethane	ND		0.10	ug/L			07/05/24 10:37	1
1,1-Dichloroethene	ND		0.10	ug/L			07/05/24 10:37	1
1,1-Dichloropropene	ND		0.10	ug/L			07/05/24 10:37	1
1,2,3-Trichlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1
1,2,3-Trichloropropane	ND		0.20	ug/L			07/05/24 10:37	1
1,2,4-Trichlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1
1,2,4-Trimethylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
1,2-Dibromo-3-Chloropropane	ND		0.20	ug/L			07/05/24 10:37	1
1,2-Dibromoethane (EDB)	ND		0.10	ug/L			07/05/24 10:37	1
1,2-Dichlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1

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QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-7920/26

Matrix: Air

Analysis Batch: 7920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane (EDC)	ND		0.10	ug/L			07/05/24 10:37	1
1,2-Dichloropropane	ND		0.10	ug/L			07/05/24 10:37	1
1,3,5-Trimethylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
1,3-Dichlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1
1,3-Dichloropropane	ND		0.10	ug/L			07/05/24 10:37	1
1,4-Dichlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1
1-Methylnaphthalene	ND		0.40	ug/L			07/05/24 10:37	1
2,2-Dichloropropane	ND		0.20	ug/L			07/05/24 10:37	1
2-Butanone	ND		1.0	ug/L			07/05/24 10:37	1
2-Chlorotoluene	ND		0.10	ug/L			07/05/24 10:37	1
2-Hexanone	ND		1.0	ug/L			07/05/24 10:37	1
2-Methylnaphthalene	ND		0.40	ug/L			07/05/24 10:37	1
4-Chlorotoluene	ND		0.10	ug/L			07/05/24 10:37	1
4-Isopropyltoluene	ND		0.10	ug/L			07/05/24 10:37	1
4-Methyl-2-pentanone	ND		1.0	ug/L			07/05/24 10:37	1
Acetone	ND		1.0	ug/L			07/05/24 10:37	1
Benzene	ND		0.10	ug/L			07/05/24 10:37	1
Bromobenzene	ND		0.10	ug/L			07/05/24 10:37	1
Bromodichloromethane	ND		0.10	ug/L			07/05/24 10:37	1
Dibromochloromethane	ND		0.10	ug/L			07/05/24 10:37	1
Bromoform	ND		0.10	ug/L			07/05/24 10:37	1
Bromomethane	ND		0.30	ug/L			07/05/24 10:37	1
Carbon disulfide	ND		1.0	ug/L			07/05/24 10:37	1
Carbon tetrachloride	ND		0.10	ug/L			07/05/24 10:37	1
Chlorobenzene	ND		0.10	ug/L			07/05/24 10:37	1
Chloroethane	ND		0.20	ug/L			07/05/24 10:37	1
Chloroform	ND		0.10	ug/L			07/05/24 10:37	1
Chloromethane	ND		0.30	ug/L			07/05/24 10:37	1
cis-1,2-Dichloroethene	ND		0.10	ug/L			07/05/24 10:37	1
cis-1,3-Dichloropropene	ND		0.10	ug/L			07/05/24 10:37	1
Dibromomethane	ND		0.10	ug/L			07/05/24 10:37	1
Dichlorodifluoromethane	ND		0.10	ug/L			07/05/24 10:37	1
Ethylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
Hexachlorobutadiene	ND		0.10	ug/L			07/05/24 10:37	1
Isopropylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10	ug/L			07/05/24 10:37	1
Methylene Chloride	ND		0.30	ug/L			07/05/24 10:37	1
n-Butylbenzene	ND		0.30	ug/L			07/05/24 10:37	1
N-Propylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
Naphthalene	ND		0.20	ug/L			07/05/24 10:37	1
sec-Butylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
Styrene	ND		0.10	ug/L			07/05/24 10:37	1
tert-Butylbenzene	ND		0.10	ug/L			07/05/24 10:37	1
Tetrachloroethene (PCE)	ND		0.10	ug/L			07/05/24 10:37	1
Toluene	ND		0.10	ug/L			07/05/24 10:37	1
trans-1,2-Dichloroethene	ND		0.10	ug/L			07/05/24 10:37	1
trans-1,3-Dichloropropene	ND		0.10	ug/L			07/05/24 10:37	1
Trichloroethene (TCE)	ND		0.10	ug/L			07/05/24 10:37	1
Trichlorofluoromethane	ND		0.10	ug/L			07/05/24 10:37	1

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QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-7920/26

Matrix: Air

Analysis Batch: 7920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.10	ug/L			07/05/24 10:37	1
Xylenes, Total	ND		0.15	ug/L			07/05/24 10:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				07/05/24 10:37	1
Toluene-d8 (Surr)	106		70 - 130				07/05/24 10:37	1
4-Bromofluorobenzene (Surr)	99		70 - 130				07/05/24 10:37	1
Dibromofluoromethane (Surr)	95		70 - 130				07/05/24 10:37	1

Lab Sample ID: MB 885-7920/4

Matrix: Air

Analysis Batch: 7920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L			07/05/24 10:37	1
1,1,1-Trichloroethane	ND		1.0	ug/L			07/05/24 10:37	1
1,1,1,2,2-Tetrachloroethane	ND		2.0	ug/L			07/05/24 10:37	1
1,1,1,2-Trichloroethane	ND		1.0	ug/L			07/05/24 10:37	1
1,1-Dichloroethane	ND		1.0	ug/L			07/05/24 10:37	1
1,1-Dichloroethene	ND		1.0	ug/L			07/05/24 10:37	1
1,1-Dichloropropene	ND		1.0	ug/L			07/05/24 10:37	1
1,2,3-Trichlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,2,3-Trichloropropane	ND		2.0	ug/L			07/05/24 10:37	1
1,2,4-Trichlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,2,4-Trimethylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,2-Dibromo-3-Chloropropane	ND		2.0	ug/L			07/05/24 10:37	1
1,2-Dibromoethane (EDB)	ND		1.0	ug/L			07/05/24 10:37	1
1,2-Dichlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,2-Dichloroethane (EDC)	ND		1.0	ug/L			07/05/24 10:37	1
1,2-Dichloropropane	ND		1.0	ug/L			07/05/24 10:37	1
1,3,5-Trimethylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,3-Dichlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
1,3-Dichloropropane	ND		1.0	ug/L			07/05/24 10:37	1
1,4-Dichlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
1-Methylnaphthalene	ND		4.0	ug/L			07/05/24 10:37	1
2,2-Dichloropropane	ND		2.0	ug/L			07/05/24 10:37	1
2-Butanone	ND		10	ug/L			07/05/24 10:37	1
2-Chlorotoluene	ND		1.0	ug/L			07/05/24 10:37	1
2-Hexanone	ND		10	ug/L			07/05/24 10:37	1
2-Methylnaphthalene	ND		4.0	ug/L			07/05/24 10:37	1
4-Chlorotoluene	ND		1.0	ug/L			07/05/24 10:37	1
4-Isopropyltoluene	ND		1.0	ug/L			07/05/24 10:37	1
4-Methyl-2-pentanone	ND		10	ug/L			07/05/24 10:37	1
Acetone	ND		10	ug/L			07/05/24 10:37	1
Benzene	ND		1.0	ug/L			07/05/24 10:37	1
Bromobenzene	ND		1.0	ug/L			07/05/24 10:37	1
Bromodichloromethane	ND		1.0	ug/L			07/05/24 10:37	1
Dibromochloromethane	ND		1.0	ug/L			07/05/24 10:37	1

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QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-7920/4
Matrix: Air
Analysis Batch: 7920

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	ug/L			07/05/24 10:37	1
Bromomethane	ND		3.0	ug/L			07/05/24 10:37	1
Carbon disulfide	ND		10	ug/L			07/05/24 10:37	1
Carbon tetrachloride	ND		1.0	ug/L			07/05/24 10:37	1
Chlorobenzene	ND		1.0	ug/L			07/05/24 10:37	1
Chloroethane	ND		2.0	ug/L			07/05/24 10:37	1
Chloroform	ND		1.0	ug/L			07/05/24 10:37	1
Chloromethane	ND		3.0	ug/L			07/05/24 10:37	1
cis-1,2-Dichloroethene	ND		1.0	ug/L			07/05/24 10:37	1
cis-1,3-Dichloropropene	ND		1.0	ug/L			07/05/24 10:37	1
Dibromomethane	ND		1.0	ug/L			07/05/24 10:37	1
Dichlorodifluoromethane	ND		1.0	ug/L			07/05/24 10:37	1
Ethylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
Hexachlorobutadiene	ND		1.0	ug/L			07/05/24 10:37	1
Isopropylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0	ug/L			07/05/24 10:37	1
Methylene Chloride	ND		3.0	ug/L			07/05/24 10:37	1
n-Butylbenzene	ND		3.0	ug/L			07/05/24 10:37	1
N-Propylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
Naphthalene	ND		2.0	ug/L			07/05/24 10:37	1
sec-Butylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
Styrene	ND		1.0	ug/L			07/05/24 10:37	1
tert-Butylbenzene	ND		1.0	ug/L			07/05/24 10:37	1
Tetrachloroethene (PCE)	ND		1.0	ug/L			07/05/24 10:37	1
Toluene	ND		1.0	ug/L			07/05/24 10:37	1
trans-1,2-Dichloroethene	ND		1.0	ug/L			07/05/24 10:37	1
trans-1,3-Dichloropropene	ND		1.0	ug/L			07/05/24 10:37	1
Trichloroethene (TCE)	ND		1.0	ug/L			07/05/24 10:37	1
Trichlorofluoromethane	ND		1.0	ug/L			07/05/24 10:37	1
Vinyl chloride	ND		1.0	ug/L			07/05/24 10:37	1
Xylenes, Total	ND		1.5	ug/L			07/05/24 10:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 130				07/05/24 10:37	1
Toluene-d8 (Surr)	106		70 - 130				07/05/24 10:37	1
4-Bromofluorobenzene (Surr)	99		70 - 130				07/05/24 10:37	1
Dibromofluoromethane (Surr)	95		70 - 130				07/05/24 10:37	1

Lab Sample ID: LCS 885-7920/3
Matrix: Air
Analysis Batch: 7920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	20.1	20.7		ug/L		103	70 - 130
Benzene	20.1	20.7		ug/L		103	70 - 130
Chlorobenzene	20.1	24.8		ug/L		124	70 - 130
Toluene	20.2	24.1		ug/L		119	70 - 130
Trichloroethene (TCE)	20.2	19.7		ug/L		98	70 - 130

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QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 885-7920/3
Matrix: Air
Analysis Batch: 7920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		70 - 130
Toluene-d8 (Surr)	108		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130

QC Association Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

GC/MS VOA

Analysis Batch: 7920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6736-1	Influent 6-21	Total/NA	Air	8260B	
MB 885-7920/26	Method Blank	Total/NA	Air	8260B	
MB 885-7920/4	Method Blank	Total/NA	Air	8260B	
LCS 885-7920/3	Lab Control Sample	Total/NA	Air	8260B	

Analysis Batch: 7958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6736-1	Influent 6-21	Total/NA	Air	8015M/D	
MB 885-7958/3	Method Blank	Total/NA	Air	8015M/D	
LCS 885-7958/2	Lab Control Sample	Total/NA	Air	8015M/D	
885-6736-1 DU	Influent 6-21	Total/NA	Air	8015M/D	

Lab Chronicle

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Client Sample ID: Influent 6-21
Date Collected: 06/21/24 13:00
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6736-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015M/D		5	7958	CM	EET ALB	07/05/24 15:50
Total/NA	Analysis	8260B		5	7920	CM	EET ALB	07/05/24 14:26

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015M/D		Air	Gasoline Range Organics [C6 - C10]
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6736-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

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ANALYTICAL SUMMARY REPORT

July 10, 2024

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

Work Order: B24062227 Quote ID: B15626

Project Name: Florance GC J16A, 88501083

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 6/25/2024 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B24062227-001	Influent 6-21 (885-6736-1)	06/21/24 13:00	06/25/24	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 So. 27th Street, 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.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

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



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LABORATORY ANALYTICAL REPORT
Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Florance GC J16A, 88501083
Lab ID: B24062227-001
Client Sample ID: Influent 6-21 (885-6736-1)

Report Date: 07/10/24
Collection Date: 06/21/24 13:00
Date Received: 06/25/24
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.64	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Nitrogen	78.10	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Carbon Dioxide	0.23	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Hexanes plus	0.03	Mol %		0.01		GPA 2261-95	07/01/24 12:22 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
Hexanes plus	0.013	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
GPM Total	0.013	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj
GPM Pentanes plus	0.013	gpm		0.001		GPA 2261-95	07/01/24 12:22 / jrj

CALCULATED PROPERTIES

Gross BTU per cu ft @ Std Cond. (HHV)	1		1		GPA 2261-95	07/01/24 12:22 / jrj
Net BTU per cu ft @ std cond. (LHV)	1		1		GPA 2261-95	07/01/24 12:22 / jrj
Pseudo-critical Pressure, psia	546		1		GPA 2261-95	07/01/24 12:22 / jrj
Pseudo-critical Temperature, deg R	239		1		GPA 2261-95	07/01/24 12:22 / jrj
Specific Gravity @ 60/60F	0.999		0.001		D3588-81	07/01/24 12:22 / jrj
Air, %	98.85		0.01		GPA 2261-95	07/01/24 12:22 / jrj
- The analysis was not corrected for air.						

COMMENTS

-						07/01/24 12:22 / 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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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental

Work Order: B24062227

Report Date: 07/10/24

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: GPA 2261-95										Batch: R424750
Lab ID:	B24061893-001ADUP	12 Sample Duplicate			Run: GCNGA-B_240701A				07/01/24 11:13	
Oxygen		21.7	Mol %	0.01				0		20
Nitrogen		78.1	Mol %	0.01				0.0		20
Carbon Dioxide		0.18	Mol %	0.01				5.7		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		0.03	Mol %	0.01				0.0		20
Lab ID:	LCS070124	11 Laboratory Control Sample			Run: GCNGA-B_240701A				07/01/24 02:21	
Oxygen		0.62	Mol %	0.01	124	70	130			
Nitrogen		5.97	Mol %	0.01	99	70	130			
Carbon Dioxide		0.98	Mol %	0.01	99	70	130			
Methane		74.9	Mol %	0.01	100	70	130			
Ethane		6.05	Mol %	0.01	101	70	130			
Propane		5.05	Mol %	0.01	102	70	130			
Isobutane		1.63	Mol %	0.01	81	70	130			
n-Butane		2.00	Mol %	0.01	100	70	130			
Isopentane		1.01	Mol %	0.01	101	70	130			
n-Pentane		1.00	Mol %	0.01	100	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

B24062227

Login completed by: Danielle N. Harris

Date Received: 6/25/2024

Reviewed by: gmccartney

Received by: JFR

Reviewed Date: 6/29/2024

Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	21.2°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

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.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

 **eurofins** | Environment Testing

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-6736-1

Login Number: 6736

List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Monica Smith
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413
Generated 7/9/2024 5:01:19 PM

JOB DESCRIPTION

Florance GC J16A

JOB NUMBER

885-6731-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
7/9/2024 5:01:19 PM

Authorized for release by
Michelle Garcia, Project Manager
michelle.garcia@et.eurofinsus.com
(505)345-3975

Client: Harvest
Project/Site: Florance GC J16A

Laboratory Job ID: 885-6731-1



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Definitions/Glossary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Harvest
Project: Florance GC J16A

Job ID: 885-6731-1

Job ID: 885-6731-1Eurofins Albuquerque

Job Narrative
885-6731-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 6/22/2024 6:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: SB15
Date Collected: 06/20/24 13:50
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-1
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			07/01/24 18:00	1	
Ethylbenzene	ND		1.0	ug/L			07/01/24 18:00	1	
Toluene	ND		1.0	ug/L			07/01/24 18:00	1	
Xylenes, Total	ND		2.0	ug/L			07/01/24 18:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		43 - 158				07/01/24 18:00	1	

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: SB16

Date Collected: 06/20/24 14:21

Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			07/01/24 19:11	1
Ethylbenzene	ND		1.0	ug/L			07/01/24 19:11	1
Toluene	ND		1.0	ug/L			07/01/24 19:11	1
Xylenes, Total	ND		2.0	ug/L			07/01/24 19:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		43 - 158		07/01/24 19:11	1

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: MW11

Lab Sample ID: 885-6731-3

Date Collected: 06/20/24 14:30

Matrix: Water

Date Received: 06/22/24 06:25

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			07/01/24 19:35	1	
Ethylbenzene	ND		1.0	ug/L			07/01/24 19:35	1	
Toluene	ND		1.0	ug/L			07/01/24 19:35	1	
Xylenes, Total	ND		2.0	ug/L			07/01/24 19:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		43 - 158				07/01/24 19:35	1	

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: MW14

Date Collected: 06/21/24 12:00

Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-4

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	18		1.0	ug/L			07/01/24 19:58	1	
Ethylbenzene	ND		1.0	ug/L			07/01/24 19:58	1	
Toluene	ND		1.0	ug/L			07/01/24 19:58	1	
Xylenes, Total	ND		2.0	ug/L			07/01/24 19:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		43 - 158				07/01/24 19:58	1	

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: MW17

Date Collected: 06/21/24 11:10

Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-5

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			07/01/24 20:22	1
Ethylbenzene	ND		1.0	ug/L			07/01/24 20:22	1
Toluene	ND		1.0	ug/L			07/01/24 20:22	1
Xylenes, Total	ND		2.0	ug/L			07/01/24 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		43 - 158		07/01/24 20:22	1

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: MW-22
Date Collected: 06/21/24 11:50
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-6
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			07/01/24 20:45	1	
Ethylbenzene	ND		1.0	ug/L			07/01/24 20:45	1	
Toluene	ND		1.0	ug/L			07/01/24 20:45	1	
Xylenes, Total	ND		2.0	ug/L			07/01/24 20:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		43 - 158				07/01/24 20:45	1	

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: MW-24
Date Collected: 06/21/24 11:20
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-7
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			07/01/24 21:09	1	
Ethylbenzene	ND		1.0	ug/L			07/01/24 21:09	1	
Toluene	ND		1.0	ug/L			07/01/24 21:09	1	
Xylenes, Total	ND		2.0	ug/L			07/01/24 21:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		43 - 158				07/01/24 21:09	1	

Client Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: SB19 Lab Sample ID: 885-6731-8
Date Collected: 06/20/24 14:30 Matrix: Water
Date Received: 06/22/24 06:25

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	57		2.0	ug/L			07/02/24 16:32	2	
Ethylbenzene	2.6		2.0	ug/L			07/02/24 16:32	2	
Toluene	80		2.0	ug/L			07/02/24 16:32	2	
Xylenes, Total	160		4.0	ug/L			07/02/24 16:32	2	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	97		43 - 158				07/02/24 16:32	2	

QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-7803/22					Client Sample ID: Method Blank				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 7803									
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			07/01/24 17:37		1
Ethylbenzene	ND		1.0	ug/L			07/01/24 17:37		1
Toluene	ND		1.0	ug/L			07/01/24 17:37		1
Xylenes, Total	ND		2.0	ug/L			07/01/24 17:37		1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		43 - 158				07/01/24 17:37		1

Lab Sample ID: LCS 885-7803/21					Client Sample ID: Lab Control Sample				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 7803									
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			20.0	17.9		ug/L		89	70 - 130
Ethylbenzene			20.0	17.1		ug/L		85	70 - 130
m&p-Xylene			40.0	34.5		ug/L		86	70 - 130
o-Xylene			20.0	17.0		ug/L		85	70 - 130
Toluene			20.0	17.0		ug/L		85	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	92		43 - 158						

Lab Sample ID: 885-6731-1 MS					Client Sample ID: SB15				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 7803									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		20.0	18.1		ug/L		91	70 - 130
Ethylbenzene	ND		20.0	17.1		ug/L		85	70 - 130
m&p-Xylene	ND		40.0	34.4		ug/L		86	70 - 130
o-Xylene	ND		20.0	16.9		ug/L		85	70 - 130
Toluene	ND		20.0	17.0		ug/L		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		43 - 158						

Lab Sample ID: 885-6731-1 MSD

Client Sample ID: SB15

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 7803

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Benzene	ND		20.0	18.0		ug/L		90	70 - 130	1	20
Ethylbenzene	ND		20.0	16.8		ug/L		84	70 - 130	2	20
m&p-Xylene	ND		40.0	33.8		ug/L		84	70 - 130	2	20
o-Xylene	ND		20.0	16.7		ug/L		83	70 - 130	2	20
Toluene	ND		20.0	16.7		ug/L		83	70 - 130	2	20

QC Sample Results

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-6731-1 MSD
Matrix: Water
Analysis Batch: 7803

Client Sample ID: SB15
Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		43 - 158

Lab Sample ID: MB 885-7863/16
Matrix: Water
Analysis Batch: 7863

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	ND		1.0	ug/L			07/02/24 12:34	1	
Ethylbenzene	ND		1.0	ug/L			07/02/24 12:34	1	
Toluene	ND		1.0	ug/L			07/02/24 12:34	1	
Xylenes, Total	ND		2.0	ug/L			07/02/24 12:34	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	86		43 - 158				07/02/24 12:34	1	

Lab Sample ID: LCS 885-7863/15
Matrix: Water
Analysis Batch: 7863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	20.0	17.8		ug/L		89	70 - 130		
Ethylbenzene	20.0	16.8		ug/L		84	70 - 130		
m&p-Xylene	40.0	34.3		ug/L		86	70 - 130		
o-Xylene	20.0	16.8		ug/L		84	70 - 130		
Toluene	20.0	16.8		ug/L		84	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		43 - 158

QC Association Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

GC VOA

Analysis Batch: 7803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6731-1	SB15	Total/NA	Water	8021B	
885-6731-2	SB16	Total/NA	Water	8021B	
885-6731-3	MW11	Total/NA	Water	8021B	
885-6731-4	MW14	Total/NA	Water	8021B	
885-6731-5	MW17	Total/NA	Water	8021B	
885-6731-6	MW-22	Total/NA	Water	8021B	
885-6731-7	MW-24	Total/NA	Water	8021B	
MB 885-7803/22	Method Blank	Total/NA	Water	8021B	
LCS 885-7803/21	Lab Control Sample	Total/NA	Water	8021B	
885-6731-1 MS	SB15	Total/NA	Water	8021B	
885-6731-1 MSD	SB15	Total/NA	Water	8021B	

Analysis Batch: 7863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6731-8	SB19	Total/NA	Water	8021B	
MB 885-7863/16	Method Blank	Total/NA	Water	8021B	
LCS 885-7863/15	Lab Control Sample	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: SB15
Date Collected: 06/20/24 13:50
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 18:00

Client Sample ID: SB16
Date Collected: 06/20/24 14:21
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 19:11

Client Sample ID: MW11
Date Collected: 06/20/24 14:30
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 19:35

Client Sample ID: MW14
Date Collected: 06/21/24 12:00
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 19:58

Client Sample ID: MW17
Date Collected: 06/21/24 11:10
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 20:22

Client Sample ID: MW-22
Date Collected: 06/21/24 11:50
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 20:45

Client Sample ID: MW-24
Date Collected: 06/21/24 11:20
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7803	JP	EET ALB	07/01/24 21:09

Eurofins Albuquerque

Lab Chronicle

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Client Sample ID: SB19
Date Collected: 06/20/24 14:30
Date Received: 06/22/24 06:25

Lab Sample ID: 885-6731-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	7863	JP	EET ALB	07/02/24 16:32

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance GC J16A

Job ID: 885-6731-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Toluene
8021B		Water	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25

Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-6731-1

Login Number: 6731

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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 363976

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 363976
	Action Type: [REPORT] Alternative Remediation Report (C-141AR)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of the 2024 1Q & 2Q bi-annual Report: 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 3Q & 4Q 2024 bi-annual report by January 15, 2024.	8/5/2024