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2023 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 28, 2023
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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2023 Q1/Q2 Semi-Annual – Remediation System Operation and Monitoring Report

Incident # NCS1629854256
Remediation Permit Number 3RP-364

Ensolum Project No. 07B2002007

1.0 INTRODUCTION

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this *2023 Q1/Q2 Semi-Annual - Remediation System Operation and Monitoring Report* summarizing remediation system performance during the first two quarters of 2023 at the Florance Gas Com J No. 16A (Site; Remediation Permit Number 3RP-364, Incident # NCS1629854256). The duration of operation and monitoring activities included in this report is for the period from January 5, 2023, through June 30, 2023.

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

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

As stated in the *2018 Annual Groundwater and Remediation Update Report* submitted in June 2019, the quarterly remediation summary reports also include data and summaries from the groundwater sampling events.

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 subsurface piping, and one well 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 above ground storage tank for storage and offsite disposal. Operation of the remediation wells is cycled through four zones, with four to six remediation wells per zone. The system layout is depicted in Figure 1. Reports summarizing remediation system operation for the previous quarters of system operation have been submitted to the NMOCD by Harvest and previous consultants.

3.0 SYSTEM OPERATION AND MONITORING

Regular bi-weekly system operations and maintenance activities have been performed through the first half of 2023. These site visits and monitoring events are summarized in tables enclosed at the end of this report, including the final visit of the quarter on June 7, 2023. As proposed in the previous quarterly report, remediation efforts in the first half of 2023 were focused on Zone 2 and Zone 4. During the first half of 2023 the non-operational blower was repaired and returned to service at the Site.

3.1 Vapor Recovery

Remediation system runtime is listed in Table 1, with an average runtime of 98 percent (%) during the first half of 2023, and a cumulative overall run time of 93%. Occasionally, system operations were interrupted for routine equipment maintenance.

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

Since remediation system startup in May 2018, the calculated total mass of BTEX removed thus far is 3,614 pounds (lbs). In the first half of 2023, the calculated mass removal rate based on field and analytical results ranged from 0.032 lbs per day to 0.207 lbs per day. During the first half of 2023, a total of 17 lbs of BTEX were removed through May 19th, 2023. Air emission calculations and removal rates are summarized in Table 3.

3.2 Liquid Recovery

Total liquid recovery volumes are measured using a totalizing flow metering device. Since startup of the system on May 4, 2018, through May 19th, 2023, approximately 337,776 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 measurable and 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 2023. No observable 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 annual groundwater sampling event occurred in the first half of 2023, as proposed in the fourth quarter 2019, *Quarterly Remediation System Operation and Monitoring Report*. During the first half of 2023 the annual sampling event included all wells to gauge system performance across the site. Groundwater samples were collected from 25 monitoring wells. Monitoring wells were sampled if there was sufficient water and there was no presence of phase separated hydrocarbons. Groundwater monitoring will continue on a semi-annual basis with the next event in quarter four of 2023.

5.1 Groundwater Gauging

During the semi-annual groundwater sampling event, all monitoring and remediation wells were gauged for depth to LNAPL, if present, and depth to water. Four wells (SB01, SB08, SB18 and MW-12) had detectable LNAPL with thicknesses ranging from 0.02 feet to 0.90 feet. 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.

5.2 Groundwater Analytical Results

A total of 25 monitoring and remediation wells were sampled on June 6 and 7, 2023, and submitted for laboratory analysis of BTEX by EPA Method 8021. There are six monitoring and remediation wells that exceed the New Mexico Water Quality Control Commission (NMWQCC) standards for BTEX. The remaining 19 wells are in compliance with NMWQCC standards. Groundwater analytical results are summarized in Table 7 and depicted on Figure 4.

6.0 NEXT QUARTER 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 2023, the DPE system was focused on remediation Zone 2 and Zone 4. This approach will continue into the second half of 2023.

During the second half of 2023 operations and maintenance, the following actions are proposed:

- Bi-weekly (every other week) to monthly system operation and maintenance visits, including cycling between remediation zones;
- During routine visits, the DPE system will temporarily be isolated to only remediation wells where LNAPL has been observed for approximately one hour, and then the remediation zone will be changed;
- Groundwater and LNAPL will be gauged in monitoring and remediation wells to evaluate the presence and/or migration of LNAPL;
- LNAPL will be manually removed via bailer during routine visits if a large enough LNAPL thickness is measured;
- LNAPL recovery socks will be placed in any monitoring wells where LNAPL is measured in between site visits;
- Newly installed/converted remediation well MW-15 will continually operate in both remediation Zone 2 and Zone 4;
- At least one influent air extraction sample per quarter will be analyzed for Full 8260 VOCs, TPH, carbon dioxide, and oxygen; and

- When influent air samples are not collected, a photoionization detector (PID) will be used to estimate vapor exhaust concentrations.

6.2 Reporting

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

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

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

Sincerely,

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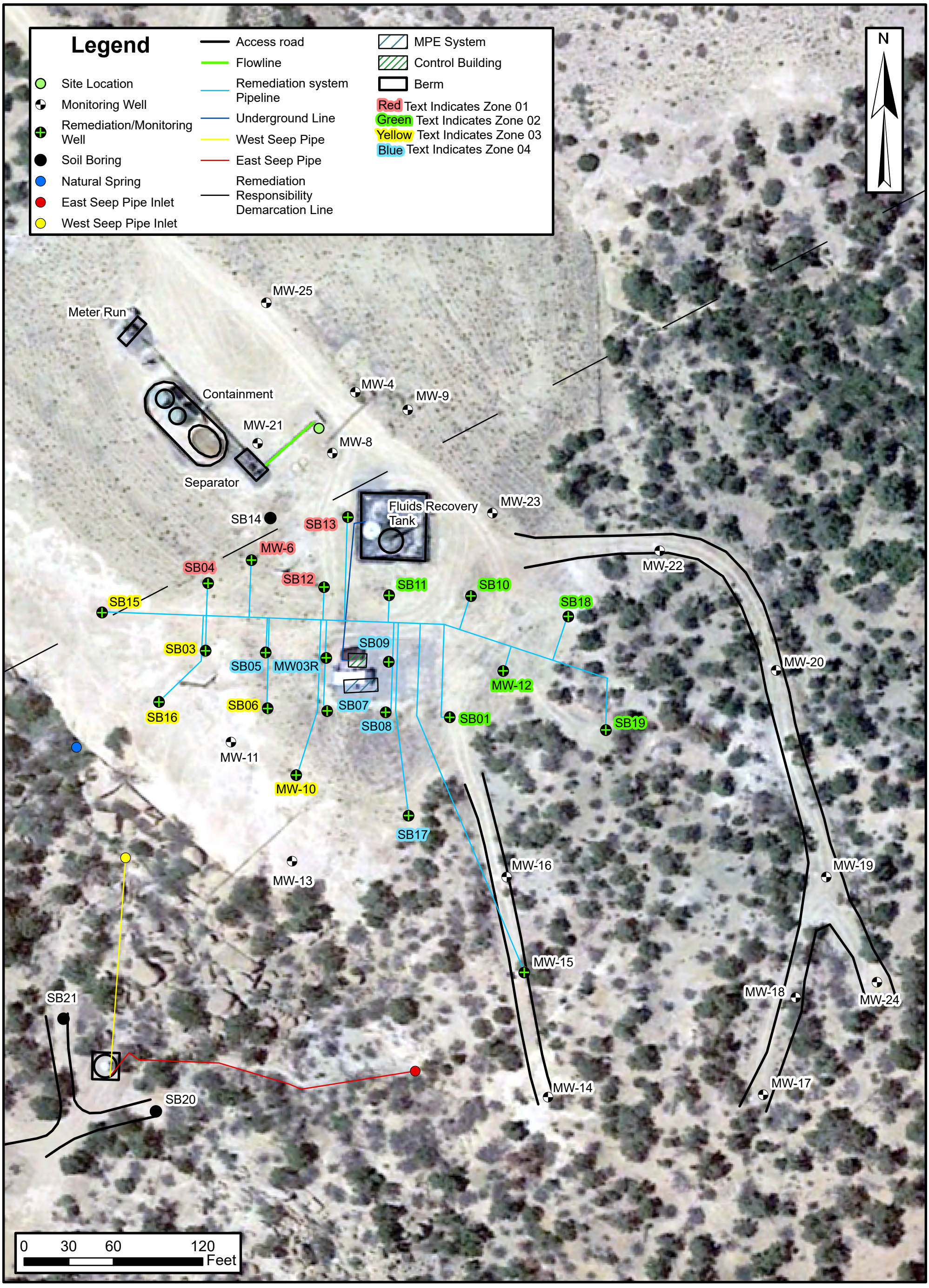
FIGURES



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Remediation System Layout

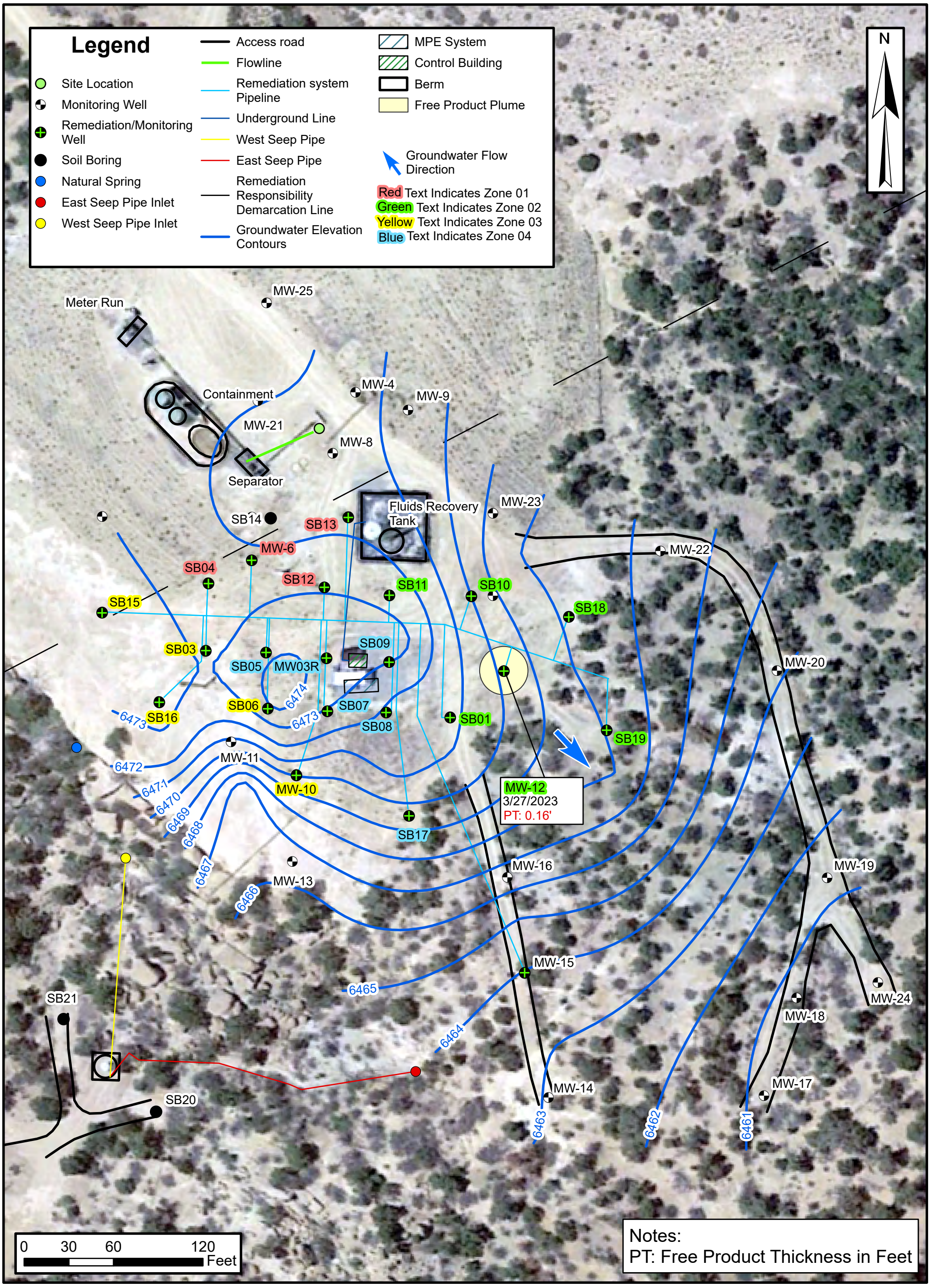
Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE

1

Sources: Google Earth



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Groundwater Potentiometric Map March 2023

Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE

2

Sources: Google Earth

Legend

- Site Location
- Monitoring Well
- Remediation/Monitoring Well
- Soil Boring
- Natural Spring
- East Seep Pipe Inlet
- West Seep Pipe Inlet
- Access road
- Flowline
- Remediation system Pipeline
- Underground Line
- West Seep Pipe
- East Seep Pipe
- Remediation Responsibility Demarcation Line
- Groundwater Elevation Contours
- MPE System
- Control Building
- Berm

Product Thickness in Feet

- >0.50'.
- 0.01-0.50'

Groundwater Flow Direction

Red Text Indicates Zone 01
Green Text Indicates Zone 02
Yellow Text Indicates Zone 03
Blue Text Indicates Zone 04

N

Meter Run
MW-25
Containment
MW-4
MW-9
MW-21
MW-8
Separator
SB18
06/06/2023
PT: 0.03'
SB14
SB13
Fluids Recovery Tank
MW-23
MW-6
SB04
SB12
SB11
SB10
MW-22
SB15
SB09
SB03
SB05
MW03R
MW-20
SB16
SB06
SB07
SB19
MW-11
6,474'
SB-01
06/06/2023
PT: 0.03'
MW-12
06/06/2023
PT: 0.90'
MW-10
6,473'
6,472'
SB08
06/06/2023
PT: 0.02'
SB17
MW-13
MW-16
MW-19
6,471'
6,470'
6,469'
6,468'
6,467'
6,466'
6,465'
6,464'
6,463'
6,462'
6,461'
MW-15
SB21
MW-18
MW-24
MW-17
SB20
MW-14

0 30 60 120 Feet

Notes:
PT: Free Product Thickness in Feet

Groundwater Potentiometric Map June 2023

Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE
3

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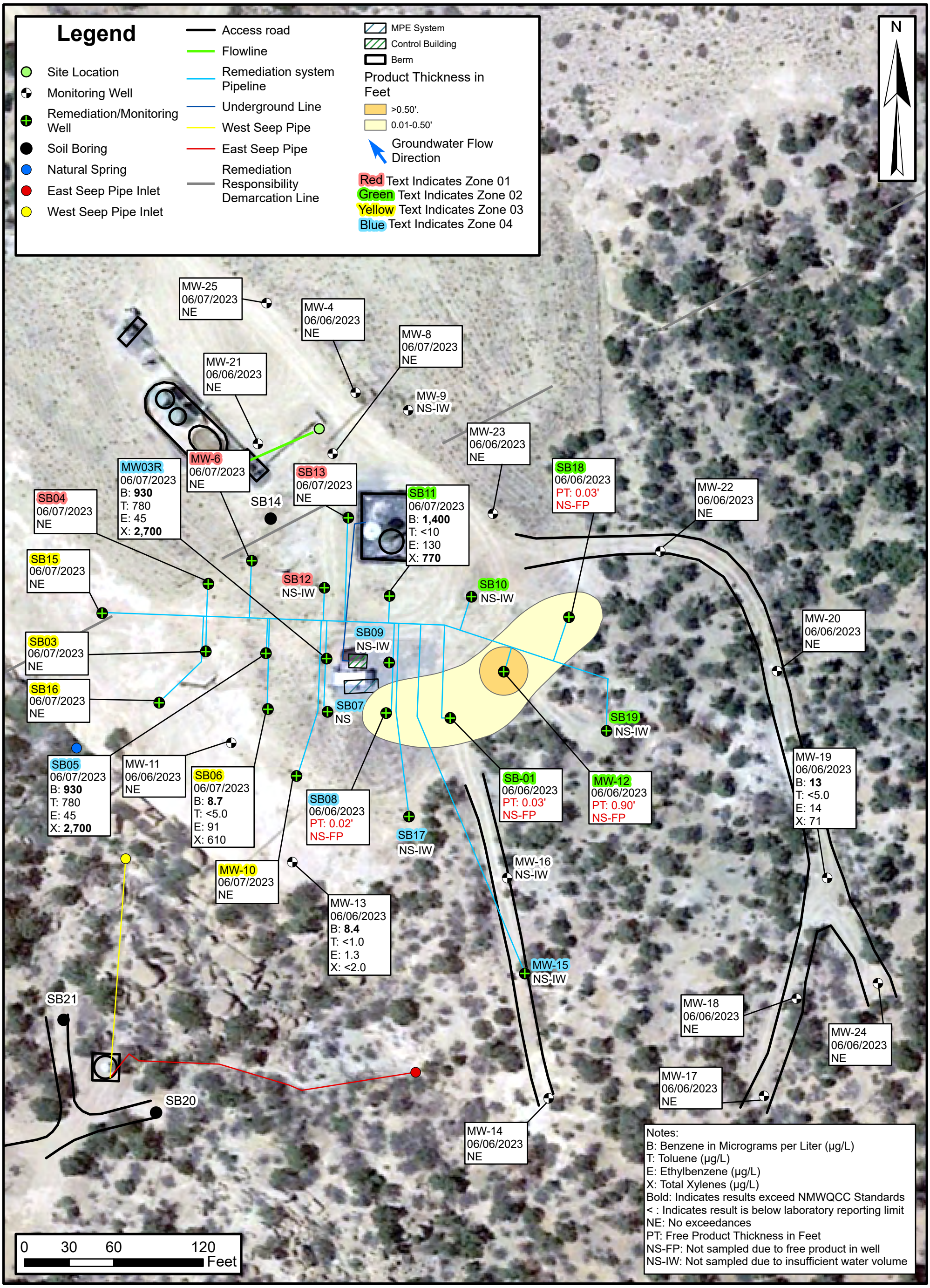
Sources: Google Earth



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Groundwater Analytical Results June 2023

Florance GC J#16A
Harvest Four Corners, LLC

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

FIGURE

4

Sources: Google Earth

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TABLES

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

Date/Time of Reading	System Hour Runtime	Cumulative Run Time (%)	Run Time (%)	Notes
5/1/18 0:00	0			
5/4/18 9:00	42	START UP		
Earlier Data Provided in Previous Quarterly Reports				
12/14/2022 12:00	37,263	92%	99%	Q4 groundwater monitoring
1/5/2023 11:30	37,787	92%	99%	Drain KO tank and cleaned float stem and tube
1/12/2023 9:30	37,952	92%	99%	
1/27/2023 12:00	38,315	92%	100%	Reapir liquid discharge piping in process room
2/10/2023 11:40	38,627	92%	98%	Install blower B-702 on 2/9/2023
3/27/2023 12:40	39,659	92%	97%	Q1 Groundwater Monitoring
4/21/2023 11:45	40,258	92%	98%	Clean KO Tank
5/19/2023 0:00	40,914	93%	98%	Clean float stem
	Average 1st Half 2023 Run Time		98%	

Notes:

% - percent

Dashed line indicates quarter change

-- : not applicable/not collected

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TABLE 2
EXTRACTED AIR BTEX DATA - FIRST HALF 2023
Florance GCJ #16A
Harvest Four Corners, LLC
San Juan County, New Mexico

Collection Date:	1/5/2023	1/12/2023	1/27/2023	4/21/2023	5/19/2023
Collection Time:	15:40	13:00	14:30	14:20	15:00
Active Remediation Zone:	2	4	2	4	2
Benzene (µg/L)	1.2	0.12	<0.50	0.14	0.54
Toluene (µg/L)	1.9	<0.10	1.2	0.14	0.78
Ethylbenzene (µg/L)	<0.50	<0.10	0.99	<0.10	<0.50
Xylenes, Total (µg/L)	4.9	1.2	4.7	0.88	3.8
GRO (µg/L)	1,500	630	1,500	250	1,300
Total BTEX (µg/L):	8.00	1.32	6.89	1.16	5.12
PID Reading (ppm)	340	122	236	108	193

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

VOCs - volatile organic compounds

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TABLE 3
MASS REMOVAL VAPOR PHASE - FIRST HALF 2023
Florance GCJ #16A
Harvest Four Corners, LLC
San Juan County, New Mexico

Date/Time	Influent BTEX (mg/m^3)	Active Remediation Zone	Air Flow Rate (scfm)	Time Period (hr:min:sec)	Time Period (min)	BTEX Mass Removed (lbs)	Gal Removed (@0.755 g/cm^3)	Mass Removal Rate (lbs/day)	Mass Removal Rate (ton/yr)
Earlier Data Provided in Previous Quarterly Reports									
10/28/22 15:15	3.3	4	274	890:35:00	53,435	0.3	0.05	0.008	0.002
1/5/23 15:40	8.0	2	289	1656:25:00	99,385	5.5	0.88	0.080	0.015
1/12/23 13:00	1.3	4	266	165:20:00	9,920	1.4	0.23	0.207	0.038
1/27/23 14:30	6.9	2	292	361:30:00	21,690	0.5	0.08	0.032	0.006
2/10/23 11:40	1.3	4	256	333:10:00	19,990	2.5	0.40	0.181	0.033
3/27/23 12:40	6.9	2	300	1081:00:00	64,860	1.3	0.21	0.030	0.005
4/21/23 14:20	1.2	4	397	601:40:00	36,100	4.7	0.74	0.186	0.034
5/19/23 15:00	5.1	2	292	672:40:00	40,360	1.2	0.18	0.041	0.008

Total Quantity of BTEX Removed 1st Half 2023	17 lbs	2.7 gal	0.06 bbl
Total Quantity of BTEX Removed Since Start-up May 2018	3,614 lbs	663.7 gal	15.8 bbl

Notes:

bbl - barrel
BTEX - benzene, toluene, ethylbenzene, total xylenes
gal - gallons
g/cm^3 - grams per cubic centimeter
hr - hour
lbs - pounds
lbs/day - pounds per day
mg/m^3 - 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/m^3)*Air Flow Rates (scfm)*(1 m^3/35.3147 ft^3)*(1 lb/453,592 mg)*Time Period (min)

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

Date/Time	Hour Meter Reading	Flow Meter Reading (gal)	Gallons Recovered this Period	Cumulative Volume Recovered (gal)	Gallons Removed From Tank (Off-Site)	Time Period (hr:min:sec)	Time Period (min)	Recovery Rate		Notes
								(gpm)	(gal/day)	
Earlier Data Provided in Previous Quarterly Reports										
10/28/22 11:30	36,142	301,700	1,940	329,000	--	432:10:00	25,930	0.07	108	Zone 4 Active
1/5/23 11:30	37,787	304,593	2,893	331,893	6,720	1656:00:00	99,360	0.03	42	Zone 2 Active
1/12/23 9:30	37,952	305,068	475	332,368		166:00:00	9,960	0.05	69	Zone 4 Active
1/27/23 12:00	38,315	305,491	423	332,791	--	528:30:00	31,710	0.01	19	Zone 2 Active
2/10/23 11:40	38,627	305,800	309	333,100	--	335:40:00	20,140	0.02	22	Zone 4 Active
3/27/23 12:40	39,659	306,871	1,071	334,171	--	1081:00:00	64,860	0.02	24	Zone 2 Active
4/21/23 11:45	40,258	309,206	2,335	336,506	3,360	599:05:00	35,945	0.06	94	Zone 4 Active
5/19/23 13:00	40,914	310,476	1,270	337,776	--	673:15:00	40,395	0.03	45	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:	337,776	Gal
	8,042	bbl

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TABLE 5
DPE SYSTEM OPERATIONS - FIRST QUARTER 2023
Florance GCJ #16A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well ID		Date	1/5/2023	1/12/2023	1/27/2023	2/10/2023	3/27/2023	4/21/2023	5/19/2023
Active Zone			2	4	2	4	2	4	2
MW-12	WH Vac (Online)	inHg	--	--	--	--	14.5	--	16.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	9.0	--	10.5	--	15.0	--	--
	PID	ppm	--	--	--	--	154	--	98
	Flow	scfm	35	--	34	--	38	--	34
SB-01	WH Vac (Online)	inHg	--	--	--	--	15.0	--	15.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	10.5	--	11.0	--	16.0	--	--
	PID	ppm	--	--	--	--	36	--	567
	Flow	scfm	48	--	48	--	50	--	48
SB-10	WH Vac (Online)	inHg	--	--	--	--	15.0	--	16.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	10.0	--	11.0	--	16.0	--	--
	PID	ppm	--	--	--	--	23	--	28
	Flow	scfm	50	--	52	--	42	--	48
SB-11	WH Vac (Online)	inHg	--	--	--	--	15.0	--	8.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	1.0	--	11.0	--	16.0	--	--
	PID	ppm	--	--	--	--	19	--	76
	Flow	scfm	44	--	58	--	52	--	52
SB-18	WH Vac (Online)	inHg	--	--	--	--	15.0	--	15.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	10.0	--	11.0	--	15	--	--
	PID	ppm	--	--	--	--	119	--	298
	Flow	scfm	44	--	38	--	54	--	46
SB-19	WH Vac (Online)	inHg	--	--	--	--	15.0	--	18.0
Zone 2	WH Vac (Offline)	inH2O	--	--	--	--		--	--
	Mani Vac	inHg	10.0	--	11.0	--	15.0	--	--
	PID	ppm	--	--	--	--	375	--	331
	Flow	scfm	68	--	62	--	64	--	64
MW-3R	WH Vac (Online)	inHg	--	9.0	--	--	--	14.0	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--
	Mani Vac	inHg	--	10.5	--	11.0	--	15.0	--
	PID	ppm	--	69	--	--	--	62.0	--
	Flow	scfm	--	38	--	42	--	80	--
SB-05	WH Vac (Online)	inHg	--	9.0	--	--	--	15.0	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.0	--	11.0	--	15.0	--
	PID	ppm	--	45	--	--	--	33.0	--
	Flow	scfm	--	60	--	54	--	78	--
SB-07	WH Vac (Online)	inHg	--	11.0	--	--	--	16.0	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.0	--	--	--	15.5	--
	PID	ppm	--	66	--	--	--	31.0	--
	Flow	scfm	--	36	--	38	--	54	--
SB-08	WH Vac (Online)	inHg	--	10.0	--	--	--	12.0	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--
	Mani Vac	inHg	--	12.5	--	12.5	--	12.5	--
	PID	ppm	--	47	--	--	--	30.0	--
	Flow	scfm	--	70	--	60	--	90	--
SB-09	WH Vac (Online)	inHg	--	11.0	--	--	--	14.5	--
Zone 4	WH Vac (Offline)	inH2O	--	--	--	--	--	--	--
	Mani Vac	inHg	--	11.0	--	11.5	--	15.5	--
	PID	ppm	--	235	--	--	--	106.0	--
	Flow	scfm	--	62	--	62	--	95	--
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	289	266	292	256	300	397	292

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

scfm - standard cubic feet per minute

% - percent

WH Vac - vacuum gauge reading on remediation well head

*** The flow sensor at the MS Inlet and for the dilution flow do not account for the density of the air or the water entrained, and are anticipated to read low.

ENSOLUM

TABLE 6
GROUNDWATER ELEVATION
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	12/9/2021	31.31	--	--	6,470.65
		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
SB03	6,495.01	12/9/2021	20.24	--	--	6,474.77
		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
SB04	6,499.61	12/9/2021	28.04	--	--	6,471.57
		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
SB05	6,498.76	12/9/2021	25.48	--	--	6,473.28
		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
SB06	6,496.12	12/9/2021	25.11	--	--	6,471.01
		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
SB07	6,500.29	12/9/2021	29.46	--	--	6,470.83
		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
SB08	6,502.25	12/9/2021	30.94	--	--	6,471.31
		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

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TABLE 6
GROUNDWATER ELEVATION
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)
SB09	6,504.18	12/9/2021	33.13	--	--	6,471.05
		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
SB10	6,506.04	12/9/2021	DRY	--	--	DRY
		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
SB11	6,505.61	12/9/2021	32.64	--	--	6,472.97
		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
SB12	6,508.42	12/9/2021	DRY	--	--	DRY
		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
SB13	6,504.89	12/9/2021	35.05	--	--	6,469.84
		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
SB15	6,494.31	12/9/2021	20.02	--	--	6,474.29
		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
SB16	6,492.07	12/9/2021	20.16	--	--	6,471.91
		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

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TABLE 6
GROUNDWATER ELEVATION
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)
SB17	6,492.57	12/9/2021	DRY	--	--	DRY
		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
SB18	6,506.38	12/9/2021	35.22	--	--	6,471.16
		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
SB19	6,503.99	12/9/2021	35.38	--	--	6,468.61
		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
MW-3R	6,502.86	12/9/2021	28.87	--	--	6,473.99
		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
MW-4*	--	12/9/2021	34.13	--	--	--
		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	--	--	--
MW-6*	--	12/9/2021	32.35	--	--	--
		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	--	--	--
MW-8*	--	12/9/2021	36.03	--	--	--
		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	--	--	--

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TABLE 6
GROUNDWATER ELEVATION
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-9*	--	12/9/2021	45.32	--	--	--
		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	--	--	--
MW-10*	--	12/9/2021	20.07	--	--	--
		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	--	--	--
MW-11	6,492.85	12/9/2021	26.53	--	--	6,466.32
		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
MW-12	6,503.57	12/9/2021	34.21	32.94	1.27	6,470.38
		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
MW-13	6,490.03	12/9/2021	24.01	--	--	6,466.02
		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
MW-14	6,476.22	12/9/2021	15.45	--	--	6,460.77
		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
MW-15	6,478.37	12/9/2021	17.02	16.05	0.97	6,462.13
		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

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TABLE 6
GROUNDWATER ELEVATION
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-16	6,487.57	12/9/2021	22.79	--	--	6,464.78
		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
MW-17	6,483.30	12/9/2021	22.18	--	--	6,461.12
		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
MW-18	6,485.22	12/9/2021	24.01	--	--	6,461.21
		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
MW-19	6,492.35	12/9/2021	30.83	--	--	6,461.52
		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
MW-20	6,493.38	12/9/2021	29.82	--	--	6,463.56
		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
MW-21	6,508.15	12/9/2021	37.46	--	--	6,470.69
		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
MW-22	6,497.15	12/9/2021	34.20	--	--	6,462.95
		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

ENSOLUM

TABLE 6
GROUNDWATER ELEVATION
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	12/9/2021	38.20	--	--	6,467.75
		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
MW-24	6,490.71	12/9/2021	29.80	--	--	6,460.91
		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
MW-25	6,507.65	12/9/2021	35.40	--	--	6,472.25
		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

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

ENSOLUM

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			
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**

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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 - Insufficent 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 - Insufficent amount of water to sample			
	6/7/2023	<1.0	<1.0	<1.0	<1.5
SB16	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/10/2022	<1.0	<1.0	<1.0	<2.0
	6/7/2023	<1.0	<1.0	<1.0	<1.5
SB17	6/4/2020	NS-DRY			
	9/18/2020	NS-DRY			
	6/6/2023	NS-DRY			
SB18	6/5/2020	**7,400**	**9,100**	**760**	**9,800**
	9/18/2020	NS - Insufficent amount of water to sample			
	6/6/2023	NS-LNAPL			
SB19	6/4/2020	NS			
	9/18/2020	NS - Insufficent amount of water to sample			
	12/15/2022	NS - Insufficent amount of water to sample			
	6/6/2023	NS - Insufficent amount of water to sample			
MW-1	Destroyed during excavation/remediation activities				
MW-2	Destroyed during excavation/remediation activities				
MW-3R	6/4/2020	NS-LNAPL			
	9/18/2020	NS-LNAPL			
	6/7/2023	**1,500**	<100	170	**1,600**
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

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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	6/9/2022	<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 - Insufficent 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	6/4/2020	NS-LNAPL			
	9/17/2020	NS-LNAPL			
	6/6/2023	NS-LNAPL			
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

ENSOLUM

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-14	12/17/2020	<1.0	<1.0	<1.0	<2.0
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/10/2022	1.9	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-15	6/4/2020	**8,600**	**10,000**	**800**	**9,600**
	9/17/2020	NS-LNAPL			
	6/6/2023	NS-DRY			
MW-16	6/4/2020	NS-DRY			
	9/17/2020	NS - Insufficent amount of water to sample			
	6/6/2023	NS-DRY			
MW-17	6/4/2020	NS			
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	6/6/2023	<1.0	<1.0	<1.0	<2.0
MW-18	6/26/2020	<1.0	<1.0	<1.0	<1.5
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/17/2020	<1.0	<1.0	<1.0	<2.0
	12/9/2021	<1.0	<1.0	<1.0	<2.0
	6/9/2022	<1.0	<1.0	<1.0	<2.0
	12/15/2022	NS - Insufficent amount of water to sample			
	6/6/2023	<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
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

ENSOLUM

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-21	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
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
MW-25	6/4/2020	<1.0	<1.0	<1.0	<2.0
	9/17/2020	<1.0	<1.0	<1.0	<1.5
	12/18/2020	<1.0	<1.0	<1.0	<2.0
	6/7/2023	<2.0	<2.0	<2.0	<3.0

Notes:

LNAPL - light non-aqueous phase liquid

µg/L - micrograms per Liter

NMWQCC - New Mexico Water Quality Control Commission

NS - not sampled

Bold indicates result exceeds applicable standard

ENSOLUM

APPENDIX A

Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 23, 2023

Brooke Herb

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

RE: Florance GC J16A OrderNo.: 2301326

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/10/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2301326**
Date Reported: **1/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 02
Project: Florance GC J16A
Collection Date: 1/5/2023 3:40:00 PM
Lab ID: 2301326-001 **Matrix:** AIR
Received Date: 1/10/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	1500	25		µg/L	5	1/11/2023 1:45:00 PM	G93871
Surr: BFB	98.7	70-130		%Rec	5	1/11/2023 1:45:00 PM	G93871
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	1.2	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Toluene	1.9	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Ethylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2,4-Trimethylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,3,5-Trimethylbenzene	0.75	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2-Dichloroethane (EDC)	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Naphthalene	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
1-Methylnaphthalene	ND	2.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
2-Methylnaphthalene	ND	2.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Acetone	ND	5.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Bromobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Bromodichloromethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Bromoform	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Bromomethane	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
2-Butanone	ND	5.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Carbon disulfide	ND	5.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Carbon tetrachloride	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Chlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Chloroethane	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Chloroform	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Chloromethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
2-Chlorotoluene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
4-Chlorotoluene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
cis-1,2-DCE	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
cis-1,3-Dichloropropene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Dibromochloromethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Dibromomethane	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2-Dichlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,3-Dichlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,4-Dichlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Dichlorodifluoromethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1-Dichloroethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1-Dichloroethene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871

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

Qualifiers:

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

Analytical Report
Lab Order **2301326**
Date Reported: **1/23/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 02
Project: Florance GC J16A
Collection Date: 1/5/2023 3:40:00 PM
Lab ID: 2301326-001 **Matrix:** AIR **Received Date:** 1/10/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,2-Dichloropropane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,3-Dichloropropane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
2,2-Dichloropropane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1-Dichloropropene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Hexachlorobutadiene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
2-Hexanone	ND	5.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Isopropylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
4-Isopropyltoluene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
4-Methyl-2-pentanone	ND	5.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Methylene chloride	ND	1.5		µg/L	5	1/11/2023 1:45:00 PM	R93871
n-Butylbenzene	ND	1.5		µg/L	5	1/11/2023 1:45:00 PM	R93871
n-Propylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
sec-Butylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Styrene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
tert-Butylbenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Tetrachloroethene (PCE)	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
trans-1,2-DCE	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
trans-1,3-Dichloropropene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2,3-Trichlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2,4-Trichlorobenzene	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1,1-Trichloroethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,1,2-Trichloroethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Trichloroethene (TCE)	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Trichlorofluoromethane	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
1,2,3-Trichloropropane	ND	1.0		µg/L	5	1/11/2023 1:45:00 PM	R93871
Vinyl chloride	ND	0.50		µg/L	5	1/11/2023 1:45:00 PM	R93871
Xylenes, Total	4.9	0.75		µg/L	5	1/11/2023 1:45:00 PM	R93871
Surr: Dibromofluoromethane	102	70-130		%Rec	5	1/11/2023 1:45:00 PM	R93871
Surr: 1,2-Dichloroethane-d4	95.3	70-130		%Rec	5	1/11/2023 1:45:00 PM	R93871
Surr: Toluene-d8	116	70-130		%Rec	5	1/11/2023 1:45:00 PM	R93871
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	1/11/2023 1:45:00 PM	R93871

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

Qualifiers:

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

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ANALYTICAL SUMMARY REPORT

January 20, 2023

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

Work Order: B23010674 Quote ID: B15626

Project Name: Not Indicated

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

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23010674-001	2301326-001B, Influent Zone 02	01/05/23 15:40	01/11/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

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

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

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

Report Approved By:

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23010674-001
Client Sample ID: 2301326-001B, Influent Zone 02

Report Date: 01/20/23
Collection Date: 01/05/23 15:40
DateReceived: 01/11/23
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.03	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Nitrogen	78.20	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Carbon Dioxide	0.77	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Methane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Ethane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Propane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:17 / ikc
Propane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:17 / ikc
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	01/19/23 12:17 / ikc
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	01/19/23 12:17 / ikc
Pseudo-critical Pressure, psia	547			1		GPA 2261-95	01/19/23 12:17 / ikc
Pseudo-critical Temperature, deg R	241			1		GPA 2261-95	01/19/23 12:17 / ikc
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	01/19/23 12:17 / ikc
Air, %	96.10			0.01		GPA 2261-95	01/19/23 12:17 / ikc
- The analysis was not corrected for air.							
COMMENTS							
-						-	01/19/23 12:17 / ikc

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

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental **Work Order:** B23010674 **Report Date:** 01/20/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-95**									Batch: R396464	
Lab ID: **B23011052-001ADUP**	12	Sample Duplicate				Run: GCNGA-B_230119A			01/19/23 13:37	
Oxygen		21.6	Mol %	0.01				1.2	20	
Nitrogen		78.1	Mol %	0.01				0.1	20	
Carbon Dioxide		0.31	Mol %	0.01				110	20	R
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: **LCS012023A**	11	Laboratory Control Sample				Run: GCNGA-B_230119A			01/20/23 09:27	
Oxygen		0.63	Mol %	0.01	126	70	130			
Nitrogen		5.87	Mol %	0.01	98	70	130			
Carbon Dioxide		0.98	Mol %	0.01	99	70	130			
Methane		74.6	Mol %	0.01	100	70	130			
Ethane		5.96	Mol %	0.01	99	70	130			
Propane		5.03	Mol %	0.01	102	70	130			
Isobutane		2.01	Mol %	0.01	100	70	130			
n-Butane		2.03	Mol %	0.01	101	70	130			
Isopentane		1.04	Mol %	0.01	104	70	130			
n-Pentane		1.05	Mol %	0.01	105	70	130			
Hexanes plus		0.77	Mol %	0.01	96	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

R - Relative Percent Difference (RPD) exceeds advisory limit

ENERGY LABORATORIES
Trust our People. Trust our Data.
www.energylab.com
Billings, MT 800.735.4489 • Casper, WY 888.235.0515
Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

Work Order Receipt Checklist

Hall Environmental

B23010674

Login completed by: Yvonna E. Smith
Date Received: 1/11/2023
Reviewed by: tedwards
Received by: htm
Reviewed Date: 1/16/2023
Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	11.4°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

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

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

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

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

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

SUB CONTRATOR: **Energy Labs -Billings**	COMPANY: **Energy Laboratories**	PHONE: **(406) 869-6253**	FAX: **(406) 252-6069**
ADDRESS: **1120 South 27th Street**		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: **Billings, MT 59107**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2301326-001B	Influent Zone 02	TEDLAR	Air	1/5/2023 3:40:00 PM	1	Fixed Gases 02, CO2 ~~B23010647~~ YS 1/1/23 B23010674

SPECIAL INSTRUCTIONS / COMMENTS:

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

Relinquished By: [illegible]	Date: 1/10/2023	Time: 8:46 AM	Received By: Hayden Moore	Date: 1/11/23	Time: 9:15
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☑ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301326**

23-Jan-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **2301326-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Influent Zone 02**	Batch ID: **R93871**	RunNo: **93871**
Prep Date:	Analysis Date: **1/11/2023**	SeqNo: **3389959** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.50						4.89	20	
Toluene	1.8	0.50						2.24	20	
Ethylbenzene	ND	0.50						0	20	
Methyl tert-butyl ether (MTBE)	ND	0.50						0	20	
1,2,4-Trimethylbenzene	ND	0.50						0	20	
1,3,5-Trimethylbenzene	0.76	0.50						0.531	20	
1,2-Dichloroethane (EDC)	ND	0.50						0	20	
1,2-Dibromoethane (EDB)	ND	0.50						0	20	
Naphthalene	ND	1.0						0	20	
1-Methylnaphthalene	ND	2.0						0	20	
2-Methylnaphthalene	ND	2.0						0	20	
Acetone	ND	5.0						0	20	
Bromobenzene	ND	0.50						0	20	
Bromodichloromethane	ND	0.50						0	20	
Bromoform	ND	0.50						0	20	
Bromomethane	ND	1.0						0	20	
2-Butanone	ND	5.0						0	20	
Carbon disulfide	ND	5.0						0	20	
Carbon tetrachloride	ND	0.50						0	20	
Chlorobenzene	ND	0.50						0	20	
Chloroethane	ND	1.0						0	20	
Chloroform	ND	0.50						0	20	
Chloromethane	ND	0.50						0	20	
2-Chlorotoluene	ND	0.50						0	20	
4-Chlorotoluene	ND	0.50						0	20	
cis-1,2-DCE	ND	0.50						0	20	
cis-1,3-Dichloropropene	ND	0.50						0	20	
1,2-Dibromo-3-chloropropane	ND	1.0						0	20	
Dibromochloromethane	ND	0.50						0	20	
Dibromomethane	ND	1.0						0	20	
1,2-Dichlorobenzene	ND	0.50						0	20	
1,3-Dichlorobenzene	ND	0.50						0	20	
1,4-Dichlorobenzene	ND	0.50						0	20	
Dichlorodifluoromethane	ND	0.50						0	20	
1,1-Dichloroethane	ND	0.50						0	20	
1,1-Dichloroethene	ND	0.50						0	20	
1,2-Dichloropropane	ND	0.50						0	20	
1,3-Dichloropropane	ND	0.50						0	20	
2,2-Dichloropropane	ND	0.50						0	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301326**

23-Jan-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **2301326-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Influent Zone 02**	Batch ID: **R93871**	RunNo: **93871**
Prep Date:	Analysis Date: **1/11/2023**	SeqNo: **3389959** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.50						0	20	
Hexachlorobutadiene	ND	0.50						0	20	
2-Hexanone	ND	5.0						0	20	
Isopropylbenzene	ND	0.50						0	20	
4-Isopropyltoluene	ND	0.50						0	20	
4-Methyl-2-pentanone	ND	5.0						0	20	
Methylene chloride	ND	1.5						0	20	
n-Butylbenzene	ND	1.5						0	20	
n-Propylbenzene	ND	0.50						0	20	
sec-Butylbenzene	ND	0.50						0	20	
Styrene	ND	0.50						0	20	
tert-Butylbenzene	ND	0.50						0	20	
1,1,1,2-Tetrachloroethane	ND	0.50						0	20	
1,1,2,2-Tetrachloroethane	ND	0.50						0	20	
Tetrachloroethene (PCE)	ND	0.50						0	20	
trans-1,2-DCE	ND	0.50						0	20	
trans-1,3-Dichloropropene	ND	0.50						0	20	
1,2,3-Trichlorobenzene	ND	0.50						0	20	
1,2,4-Trichlorobenzene	ND	0.50						0	20	
1,1,1-Trichloroethane	ND	0.50						0	20	
1,1,2-Trichloroethane	ND	0.50						0	20	
Trichloroethene (TCE)	ND	0.50						0	20	
Trichlorofluoromethane	ND	0.50						0	20	
1,2,3-Trichloropropane	ND	1.0						0	20	
Vinyl chloride	ND	0.50						0	20	
Xylenes, Total	4.8	0.75						2.70	20	
Surr: Dibromofluoromethane	5.1		5.000		103	70	130	0	0	
Surr: 1,2-Dichloroethane-d4	4.7		5.000		93.8	70	130	0	0	
Surr: Toluene-d8	5.8		5.000		115	70	130	0	0	
Surr: 4-Bromofluorobenzene	5.0		5.000		100	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301326**

23-Jan-23

Client: Harvest

Project: Florance GC J16A

Sample ID:	**2301326-001adup**	SampType:	**DUP**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Influent Zone 02**	Batch ID:	**G93871**	RunNo:	**93871**					
Prep Date:		Analysis Date:	**1/11/2023**	SeqNo:	**3389985**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1500	25						2.32	20	
Surr: BFB	4800		5000		96.7	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2301326 | RcptNo: 1

Received By: Juan Rojas 1/10/2023 7:30:00 AM

Completed By: Sean Livingston 1/10/2023 8:44:55 AM

Reviewed By: JM 1/10/23

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: KPG 1·10·23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

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

Chain-of-Custody Record

Client: Harvest Midstream

Attn: Oakley Hayes

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

☒ Standard (10 day) ☐ Rush

Project Name: Florance GC J16A

Project #:

Project Manager: B. Herb

Sampler: D. Burns

On Ice: ☒ Yes ☐ No

# of Coolers:

Cooler Temp(including CF): N/A (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2301326	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full list	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed Gas Ont CO_2
1-5-23	15:40	Air	Influent Zone 02	2-Tedlar	NA	001	X	X						X			X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1-6-23	1540	Gregory Patton				
1-9-23 1-6-23	1830				1/10/23	7:30

Remarks: cc: dburns ecarroll bherb @ensolum.com

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 01, 2023

Danny Burns

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

RE: Florance GC J 16A OrderNo.: 2301523

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/13/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2301523**
Date Reported: **2/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 04
Project: Florance GC J 16A
Collection Date: 1/12/2023 1:00:00 PM
Lab ID: 2301523-001 **Matrix:** AIR
Received Date: 1/13/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	630	5.0		µg/L	1	1/17/2023 2:50:00 PM	G93995
Surr: BFB	88.4	70-130		%Rec	1	1/17/2023 2:50:00 PM	G93995
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	0.12	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Toluene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Ethylbenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2,4-Trimethylbenzene	0.10	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,3,5-Trimethylbenzene	0.32	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Naphthalene	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
1-Methylnaphthalene	ND	0.40		µg/L	1	1/17/2023 2:50:00 PM	R93995
2-Methylnaphthalene	ND	0.40		µg/L	1	1/17/2023 2:50:00 PM	R93995
Acetone	ND	1.0		µg/L	1	1/17/2023 2:50:00 PM	R93995
Bromobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Bromodichloromethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Bromoform	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Bromomethane	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
2-Butanone	ND	1.0		µg/L	1	1/17/2023 2:50:00 PM	R93995
Carbon disulfide	ND	1.0		µg/L	1	1/17/2023 2:50:00 PM	R93995
Carbon tetrachloride	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Chlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Chloroethane	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
Chloroform	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Chloromethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
2-Chlorotoluene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
4-Chlorotoluene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
cis-1,2-DCE	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
Dibromochloromethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Dibromomethane	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2-Dichlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,3-Dichlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,4-Dichlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Dichlorodifluoromethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1-Dichloroethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1-Dichloroethene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995

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

Qualifiers:

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

Analytical Report
Lab Order **2301523**
Date Reported: **2/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 04
Project: Florance GC J 16A
Collection Date: 1/12/2023 1:00:00 PM
Lab ID: 2301523-001 **Matrix:** AIR
Received Date: 1/13/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,2-Dichloropropane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,3-Dichloropropane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
2,2-Dichloropropane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1-Dichloropropene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Hexachlorobutadiene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
2-Hexanone	ND	1.0		µg/L	1	1/17/2023 2:50:00 PM	R93995
Isopropylbenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
4-Isopropyltoluene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
4-Methyl-2-pentanone	ND	1.0		µg/L	1	1/17/2023 2:50:00 PM	R93995
Methylene chloride	ND	0.30		µg/L	1	1/17/2023 2:50:00 PM	R93995
n-Butylbenzene	ND	0.30		µg/L	1	1/17/2023 2:50:00 PM	R93995
n-Propylbenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
sec-Butylbenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Styrene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
tert-Butylbenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Tetrachloroethene (PCE)	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
trans-1,2-DCE	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1,1-Trichloroethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,1,2-Trichloroethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Trichloroethene (TCE)	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Trichlorofluoromethane	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
1,2,3-Trichloropropane	ND	0.20		µg/L	1	1/17/2023 2:50:00 PM	R93995
Vinyl chloride	ND	0.10		µg/L	1	1/17/2023 2:50:00 PM	R93995
Xylenes, Total	1.2	0.15		µg/L	1	1/17/2023 2:50:00 PM	R93995
Surr: Dibromofluoromethane	103	70-130		%Rec	1	1/17/2023 2:50:00 PM	R93995
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	1/17/2023 2:50:00 PM	R93995
Surr: Toluene-d8	129	70-130		%Rec	1	1/17/2023 2:50:00 PM	R93995
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	1/17/2023 2:50:00 PM	R93995

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

Qualifiers:

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

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ANALYTICAL SUMMARY REPORT

January 31, 2023

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

Work Order: B23010926 Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 1/17/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23010926-001	2301523-001B, Influent Zone 04	01/12/23 13:00	01/17/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

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

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

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

Report Approved By:

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Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23010926-001
Client Sample ID: 2301523-001B, Influent Zone 04

Report Date: 01/31/23
Collection Date: 01/12/23 13:00
DateReceived: 01/17/23
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.45	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Nitrogen	78.11	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Carbon Dioxide	0.45	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Methane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Ethane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Propane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	01/19/23 12:44 / ikc
Propane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	01/19/23 12:44 / ikc
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	01/19/23 12:44 / ikc
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	01/19/23 12:44 / ikc
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	01/19/23 12:44 / ikc
Pseudo-critical Temperature, deg R	240			1		GPA 2261-95	01/19/23 12:44 / ikc
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	01/19/23 12:44 / ikc
Air, %	97.99			0.01		GPA 2261-95	01/19/23 12:44 / ikc
- The analysis was not corrected for air.							
COMMENTS							
-						-	01/19/23 12:44 / ikc

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

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental **Work Order:** B23010926 **Report Date:** 01/31/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-95**									Batch: R396464	
Lab ID: **B23011052-001ADUP**	12	Sample Duplicate				Run: GCNGA-B_230119A			01/19/23 13:37	
Oxygen		21.6	Mol %	0.01				1.2	20	
Nitrogen		78.1	Mol %	0.01				0.1	20	
Carbon Dioxide		0.31	Mol %	0.01				110	20	R
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: **LCS012023A**	11	Laboratory Control Sample				Run: GCNGA-B_230119A			01/20/23 09:27	
Oxygen		0.63	Mol %	0.01	126	70	130			
Nitrogen		5.87	Mol %	0.01	98	70	130			
Carbon Dioxide		0.98	Mol %	0.01	99	70	130			
Methane		74.6	Mol %	0.01	100	70	130			
Ethane		5.96	Mol %	0.01	99	70	130			
Propane		5.03	Mol %	0.01	102	70	130			
Isobutane		2.01	Mol %	0.01	100	70	130			
n-Butane		2.03	Mol %	0.01	101	70	130			
Isopentane		1.04	Mol %	0.01	104	70	130			
n-Pentane		1.05	Mol %	0.01	105	70	130			
Hexanes plus		0.77	Mol %	0.01	96	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

R - Relative Percent Difference (RPD) exceeds advisory limit

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Work Order Receipt Checklist

Hall Environmental

B23010926

Login completed by: Yvonna E. Smith
Date Received: 1/17/2023
Reviewed by: tedwards
Received by: tjg
Reviewed Date: 1/19/2023
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	5.8°C Blue Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

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

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

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

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

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

SUB CONTRATOR: **Energy Labs -Billings**	COMPANY: **Energy Laboratories**	PHONE: **(406) 869-6253**	FAX: **(406) 252-6069**
ADDRESS: **1120 South 27th Street**		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: **Billings, MT 59107**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2301523-001B	Influent Zone 04	TEDLAR	Air	1/12/2023 1:00:00 PM	1	Fixed Gases 02+CO2 B230109260

SPECIAL INSTRUCTIONS / COMMENTS:

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

Relinquished By:	Date: 1/13/2023	Time: 8:23 AM	Received By: Tyler Gasser	Date: 1/17/23	Time: 0805
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☑ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples _____ °C Attempt to Cool ? _____
Comments: _____

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301523**

01-Feb-23

Client: Harvest

Project: Florance GC J 16A

Sample ID: **2301523-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Influent Zone 04**	Batch ID: **R93995**	RunNo: **93995**
Prep Date:	Analysis Date: **1/17/2023**	SeqNo: **3394131** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.12	0.10						0.664	20	
Toluene	ND	0.10						0	20	
Ethylbenzene	ND	0.10						0	20	
Methyl tert-butyl ether (MTBE)	ND	0.10						0	20	
1,2,4-Trimethylbenzene	0.099	0.050						2.00	20	
1,3,5-Trimethylbenzene	0.32	0.10						0.631	20	
1,2-Dichloroethane (EDC)	ND	0.10						0	20	
1,2-Dibromoethane (EDB)	ND	0.10						0	20	
Naphthalene	ND	0.20						0	20	
1-Methylnaphthalene	ND	0.40						0	20	
2-Methylnaphthalene	ND	0.40						0	20	
Acetone	ND	1.0						0	20	
Bromobenzene	ND	0.10						0	20	
Bromodichloromethane	ND	0.10						0	20	
Bromoform	ND	0.10						0	20	
Bromomethane	ND	0.20						0	20	
2-Butanone	ND	1.0						0	20	
Carbon disulfide	ND	1.0						0	20	
Carbon tetrachloride	ND	0.10						0	20	
Chlorobenzene	ND	0.10						0	20	
Chloroethane	ND	0.20						0	20	
Chloroform	ND	0.10						0	20	
Chloromethane	ND	0.10						0	20	
2-Chlorotoluene	ND	0.10						0	20	
4-Chlorotoluene	ND	0.10						0	20	
cis-1,2-DCE	ND	0.10						0	20	
cis-1,3-Dichloropropene	ND	0.10						0	20	
1,2-Dibromo-3-chloropropane	ND	0.20						0	20	
Dibromochloromethane	ND	0.10						0	20	
Dibromomethane	ND	0.20						0	20	
1,2-Dichlorobenzene	ND	0.10						0	20	
1,3-Dichlorobenzene	ND	0.10						0	20	
1,4-Dichlorobenzene	ND	0.10						0	20	
Dichlorodifluoromethane	ND	0.10						0	20	
1,1-Dichloroethane	ND	0.10						0	20	
1,1-Dichloroethene	ND	0.10						0	20	
1,2-Dichloropropane	ND	0.10						0	20	
1,3-Dichloropropane	ND	0.10						0	20	
2,2-Dichloropropane	ND	0.10						0	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301523**

01-Feb-23

Client: Harvest

Project: Florance GC J 16A

Sample ID: **2301523-001adup**	SampType: **DUP**	TestCode: **EPA Method 8260B: Volatiles**
Client ID: **Influent Zone 04**	Batch ID: **R93995**	RunNo: **93995**
Prep Date:	Analysis Date: **1/17/2023**	SeqNo: **3394131** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.10						0	20	
Hexachlorobutadiene	ND	0.10						0	20	
2-Hexanone	ND	1.0						0	20	
Isopropylbenzene	ND	0.10						0	20	
4-Isopropyltoluene	ND	0.10						0	20	
4-Methyl-2-pentanone	ND	1.0						0	20	
Methylene chloride	ND	0.30						0	20	
n-Butylbenzene	ND	0.30						0	20	
n-Propylbenzene	ND	0.10						0	20	
sec-Butylbenzene	ND	0.10						0	20	
Styrene	ND	0.10						0	20	
tert-Butylbenzene	ND	0.10						0	20	
1,1,1,2-Tetrachloroethane	ND	0.10						0	20	
1,1,2,2-Tetrachloroethane	ND	0.10						0	20	
Tetrachloroethene (PCE)	ND	0.10						0	20	
trans-1,2-DCE	ND	0.10						0	20	
trans-1,3-Dichloropropene	ND	0.10						0	20	
1,2,3-Trichlorobenzene	ND	0.10						0	20	
1,2,4-Trichlorobenzene	ND	0.10						0	20	
1,1,1-Trichloroethane	ND	0.10						0	20	
1,1,2-Trichloroethane	ND	0.10						0	20	
Trichloroethene (TCE)	ND	0.10						0	20	
Trichlorofluoromethane	ND	0.10						0	20	
1,2,3-Trichloropropane	ND	0.20						0	20	
Vinyl chloride	ND	0.10						0	20	
Xylenes, Total	1.1	0.15						2.34	20	
Surr: Dibromofluoromethane	1.0		1.000		103	70	130	0	0	
Surr: 1,2-Dichloroethane-d4	0.95		1.000		95.3	70	130	0	0	
Surr: Toluene-d8	1.3		1.000		128	70	130	0	0	
Surr: 4-Bromofluorobenzene	1.0		1.000		99.5	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301523**

01-Feb-23

Client: Harvest

Project: Florance GC J 16A

Sample ID: **2301523-001adup**	SampType: **DUP**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Influent Zone 04**	Batch ID: **G93995**	RunNo: **93995**
Prep Date:	Analysis Date: **1/17/2023**	SeqNo: **3394147** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	610	5.0						2.74	20	
Surr: BFB	890		1000		89.1	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2301523 | RcptNo: 1

Received By: Juan Rojas 1/13/2023 7:40:00 AM

Completed By: Sean Livingston 1/13/2023 8:18:24 AM

Reviewed By: JR 1/13/23

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: KRG 1/13/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

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

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: Oakley Hayes

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard (10-Day) ☐ Rush

Project Name: Florance GC J16A

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): N/A (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2301523	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full list	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed Gas O_2 + CO_2
1-12-23	1300	Air	Influent Zone 04	2x Tedlar	None	001		X						X			X

Relinquished by:	Date	Time	Received by:	Via:	Date	Time
	1-12-23	14:00			1/12/23	1400
Christy Walls	1/12/23	1830		courier	1/13/23	7:14

Remarks: dburns cc: ecarroll@ensolum.com herb

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 10, 2023

Danny Burns

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

RE: Florance GC J 16A OrderNo.: 2301A92

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/28/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2301A92**
Date Reported: **2/10/2023**

CLIENT: Harvest
Client Sample ID: Zone 2 Influent
Project: Florance GC J 16A
Collection Date: 1/27/2023 2:30:00 PM
Lab ID: 2301A92-001 **Matrix:** AIR
Received Date: 1/28/2023 6:15:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
Gasoline Range Organics (GRO)	1500	25		µg/L	5	2/2/2023 11:49:00 AM	GW9437
Surr: BFB	240	15-380		%Rec	5	2/2/2023 11:49:00 AM	GW9437
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
Benzene	ND	0.50		µg/L	5	2/2/2023 11:49:00 AM	BW9437
Toluene	1.2	0.50		µg/L	5	2/2/2023 11:49:00 AM	BW9437
Ethylbenzene	0.99	0.50		µg/L	5	2/2/2023 11:49:00 AM	BW9437
Xylenes, Total	4.7	1.0		µg/L	5	2/2/2023 11:49:00 AM	BW9437
Surr: 4-Bromofluorobenzene	134	70-130	S	%Rec	5	2/2/2023 11:49:00 AM	BW9437

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

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2301A92 | RcptNo: 1

Received By: Andy Freeman 1/28/2023 6:15:00 PM

Completed By: Cheyenne Cason 1/30/2023 8:16:43 AM

Reviewed By: JR 1/30/23

Chain of Custody

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

Log In

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

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

Adjusted? KPA 1.30.23

Checked by: KPA +230 1.30.23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

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

Chain-of-Custody Record

Client: Harvest Four Corners
Oakley Hayes

Mailing Address:

Phone #:

email or Fax#: Oakley.Hayes@harvestmidstream.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Florance GCJ #16A

Project #:

Project Manager: Danny Burns - Ensolum

Sampler: E. Carroll

On Ice: ☐ Yes ☐ No

# of Coolers: 1

Cooler Temp(Including CF): (°C)

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2301A92	Analysis Request: (BTEX / ~~MTBE~~ / ~~TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1-27-23	14:30	Air	Zone 2 Influent	1 Tedlar		001	X	X								

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-27	1520	Eric Carroll				
1/28/23	1510				1/28/23	1815

Remarks:
cc: ecarroll@ensolum.com

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 08, 2023

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

RE: Florance GC J 16A OrderNo.: 2304972

Dear Oakley Hayes:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/22/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2304972**
Date Reported: **5/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 04
Project: Florance GC J 16A
Collection Date: 4/21/2023 2:20:00 PM
Lab ID: 2304972-001 **Matrix:** AIR
Received Date: 4/22/2023 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	250	50		µg/L	10	4/26/2023 3:26:32 PM	GW9631
Surr: BFB	287	15-380		%Rec	10	4/26/2023 3:26:32 PM	GW9631
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
Benzene	0.14	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Toluene	0.14	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Ethylbenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Methyl tert-butyl ether (MTBE)	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2,4-Trimethylbenzene	0.16	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,3,5-Trimethylbenzene	0.53	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2-Dichloroethane (EDC)	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2-Dibromoethane (EDB)	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Naphthalene	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
1-Methylnaphthalene	ND	0.40		µg/L	1	4/26/2023 12:21:00 PM	R96334
2-Methylnaphthalene	ND	0.40		µg/L	1	4/26/2023 12:21:00 PM	R96334
Acetone	ND	1.0		µg/L	1	4/26/2023 12:21:00 PM	R96334
Bromobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Bromodichloromethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Bromoform	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Bromomethane	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
2-Butanone	ND	1.0		µg/L	1	4/26/2023 12:21:00 PM	R96334
Carbon disulfide	ND	1.0		µg/L	1	4/26/2023 12:21:00 PM	R96334
Carbon tetrachloride	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Chlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Chloroethane	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
Chloroform	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Chloromethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
2-Chlorotoluene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
4-Chlorotoluene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
cis-1,2-DCE	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
cis-1,3-Dichloropropene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2-Dibromo-3-chloropropane	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
Dibromochloromethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Dibromomethane	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2-Dichlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,3-Dichlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,4-Dichlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Dichlorodifluoromethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1-Dichloroethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1-Dichloroethene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334

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

Qualifiers:

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

Analytical Report
Lab Order **2304972**
Date Reported: **5/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 04
Project: Florance GC J 16A
Collection Date: 4/21/2023 2:20:00 PM
Lab ID: 2304972-001 **Matrix:** AIR
Received Date: 4/22/2023 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**	
1,2-Dichloropropane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,3-Dichloropropane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
2,2-Dichloropropane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1-Dichloropropene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Hexachlorobutadiene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
2-Hexanone	ND	1.0		µg/L	1	4/26/2023 12:21:00 PM	R96334
Isopropylbenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
4-Isopropyltoluene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
4-Methyl-2-pentanone	ND	1.0		µg/L	1	4/26/2023 12:21:00 PM	R96334
Methylene chloride	ND	0.30		µg/L	1	4/26/2023 12:21:00 PM	R96334
n-Butylbenzene	ND	0.30		µg/L	1	4/26/2023 12:21:00 PM	R96334
n-Propylbenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
sec-Butylbenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Styrene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
tert-Butylbenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1,1,2-Tetrachloroethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1,2,2-Tetrachloroethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Tetrachloroethene (PCE)	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
trans-1,2-DCE	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
trans-1,3-Dichloropropene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2,3-Trichlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2,4-Trichlorobenzene	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1,1-Trichloroethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,1,2-Trichloroethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Trichloroethene (TCE)	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Trichlorofluoromethane	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
1,2,3-Trichloropropane	ND	0.20		µg/L	1	4/26/2023 12:21:00 PM	R96334
Vinyl chloride	ND	0.10		µg/L	1	4/26/2023 12:21:00 PM	R96334
Xylenes, Total	0.88	0.15		µg/L	1	4/26/2023 12:21:00 PM	R96334
Surr: Dibromofluoromethane	88.1	70-130		%Rec	1	4/26/2023 12:21:00 PM	R96334
Surr: 1,2-Dichloroethane-d4	89.4	70-130		%Rec	1	4/26/2023 12:21:00 PM	R96334
Surr: Toluene-d8	111	70-130		%Rec	1	4/26/2023 12:21:00 PM	R96334
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	4/26/2023 12:21:00 PM	R96334

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

Qualifiers:

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

ENERGY LABORATORIES
Trust our People. Trust our Data.
www.energylab.com
Billings, MT 800.735.4489 • Casper, WY 888.235.0515
Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

ANALYTICAL SUMMARY REPORT

May 08, 2023

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

Work Order: B23041743 Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 4/25/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23041743-001	2304972-001B, Influent Zone 4	04/21/23 14:40	04/25/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

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

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

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

Report Approved By:

ENERGY LABORATORIES
Trust our People. Trust our Data.
www.energylab.com
Billings, MT 800.735.4489 • Casper, WY 888.235.0515
Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23041743-001
Client Sample ID: 2304972-001B, Influent Zone 4

Report Date: 05/08/23
Collection Date: 04/21/23 14:40
DateReceived: 04/25/23
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.54	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Nitrogen	78.27	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Carbon Dioxide	0.19	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	05/01/23 12:35 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	05/01/23 12:35 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	05/01/23 12:35 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	05/01/23 12:35 / jrj
Pseudo-critical Pressure, psia	545			1		GPA 2261-95	05/01/23 12:35 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-95	05/01/23 12:35 / jrj
Specific Gravity @ 60/60F	0.998			0.001		D3588-81	05/01/23 12:35 / jrj
Air, %	98.40			0.01		GPA 2261-95	05/01/23 12:35 / jrj
- The analysis was not corrected for air.							

COMMENTS

-						-	05/01/23 12:35 / jrj

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

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental **Work Order:** B23041743 **Report Date:** 05/08/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-95**										Batch: R401299
Lab ID: **B23041743-001ADUP**	12	Sample Duplicate				Run: GCNGA-B_230501A				05/01/23 13:04
Oxygen		21.5	Mol %	0.01				0.0	20	
Nitrogen		78.3	Mol %	0.01				0	20	
Carbon Dioxide		0.20	Mol %	0.01				5.1	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: **LCS050123**	11	Laboratory Control Sample				Run: GCNGA-B_230501A				05/01/23 13:36
Oxygen		0.62	Mol %	0.01	124	70	130			
Nitrogen		5.88	Mol %	0.01	98	70	130			
Carbon Dioxide		1.01	Mol %	0.01	102	70	130			
Methane		74.8	Mol %	0.01	100	70	130			
Ethane		6.03	Mol %	0.01	100	70	130			
Propane		5.01	Mol %	0.01	101	70	130			
Isobutane		1.98	Mol %	0.01	99	70	130			
n-Butane		1.97	Mol %	0.01	98	70	130			
Isopentane		0.99	Mol %	0.01	99	70	130			
n-Pentane		0.99	Mol %	0.01	99	70	130			
Hexanes plus		0.75	Mol %	0.01	94	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Work Order Receipt Checklist

Hall Environmental

B23041743

Login completed by: Yvonna E. Smith
Date Received: 4/25/2023
Reviewed by: lleprowse
Received by: kkw
Reviewed Date: 4/29/2023
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	17.4°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

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

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

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

Contact and Corrective Action Comments:

The custody seal was not present over the opening of the shipping container.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

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

SUB CONTRATOR:	**Energy Labs -Billings**	COMPANY:	**Energy Laboratories**	PHONE: **(406) 869-6253**	FAX: **(406) 252-6069**
ADDRESS:	**1120 South 27th Street**			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	**Billings, MT 59107**				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2304972-001B	Influent Zone 04	TEDLAR	Air	4/21/2023 2:20:00 PM	1	Natural Gas Analysis, O2, CO2 B23041743

SPECIAL INSTRUCTIONS / COMMENTS:

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

Relinquished By:	Date: 4/24/2023	Time: 10:20 AM	Received By:	Date: 4/25/23	Time: 10:30
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☒ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples _____ °C Attempt to Cool ? _____
Comments: _____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2304972 | RcptNo: 1

Received By: Juan Rojas 4/22/2023 7:05:00 AM

Completed By: Desiree Dominguez 4/24/2023 10:05:56 AM

Reviewed By: 4/24/23

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: JN 4/24/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

Client information not complete. -DAD 4/24/23

17. Cooler Information

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

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: Oakley Hayes

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard (10 Day) ☐ Rush

Project Name: Florance GC J16A

Project #:

Project Manager: Danny Burns

Sampler: D. B

On Ice: ☐ Yes ☐ No

# of Coolers: 1

Cooler Temp (Including CF): N/A (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2304972	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full VOCs	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed Gas O_2 + CO_2
4-21-23	1420	Ar	Influent Zone04	2 Tedlar	NA	-001		X						X			X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
4-21-23	1515					
4/21/23	1803				4/21/23	1515
				Courier	4/22/23	7:05

Remarks: cc: bherb@ensolum.com ecarroll@ensolum.com dburns@ensolum.com

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 14, 2023

Danny Burns

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

RE: Florance GC J 16A OrderNo.: 2305B12

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/20/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2305B12**
Date Reported: **6/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 02
Project: Florance GC J 16A
Collection Date: 5/19/2023 3:00:00 PM
Lab ID: 2305B12-001 **Matrix:** AIR
Received Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**	
Gasoline Range Organics (GRO)	1300	25		µg/L	5	5/30/2023 4:06:44 PM	GA97084
Surr: BFB	596	15-412	S	%Rec	5	5/30/2023 4:06:44 PM	GA97084
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
Benzene	0.54	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Toluene	0.78	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Ethylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Methyl tert-butyl ether (MTBE)	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2,4-Trimethylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,3,5-Trimethylbenzene	0.57	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2-Dichloroethane (EDC)	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2-Dibromoethane (EDB)	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Naphthalene	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
1-Methylnaphthalene	ND	2.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
2-Methylnaphthalene	ND	2.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Acetone	ND	5.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Bromobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Bromodichloromethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Bromoform	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Bromomethane	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
2-Butanone	ND	5.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Carbon disulfide	ND	5.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Carbon tetrachloride	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Chlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Chloroethane	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Chloroform	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Chloromethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
2-Chlorotoluene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
4-Chlorotoluene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
cis-1,2-DCE	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
cis-1,3-Dichloropropene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2-Dibromo-3-chloropropane	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Dibromochloromethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Dibromomethane	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2-Dichlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,3-Dichlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,4-Dichlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Dichlorodifluoromethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1-Dichloroethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1-Dichloroethene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053

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

Qualifiers:

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

Analytical Report
Lab Order **2305B12**
Date Reported: **6/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Influent Zone 02
Project: Florance GC J 16A
Collection Date: 5/19/2023 3:00:00 PM
Lab ID: 2305B12-001 **Matrix:** AIR
Received Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst: **CCM**	
1,2-Dichloropropane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,3-Dichloropropane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
2,2-Dichloropropane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1-Dichloropropene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Hexachlorobutadiene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
2-Hexanone	ND	5.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Isopropylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
4-Isopropyltoluene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
4-Methyl-2-pentanone	ND	5.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Methylene chloride	ND	1.5		µg/L	5	5/26/2023 12:56:00 PM	R97053
n-Butylbenzene	ND	1.5		µg/L	5	5/26/2023 12:56:00 PM	R97053
n-Propylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
sec-Butylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Styrene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
tert-Butylbenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Tetrachloroethene (PCE)	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
trans-1,2-DCE	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
trans-1,3-Dichloropropene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2,3-Trichlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2,4-Trichlorobenzene	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1,1-Trichloroethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,1,2-Trichloroethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Trichloroethene (TCE)	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Trichlorofluoromethane	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
1,2,3-Trichloropropane	ND	1.0		µg/L	5	5/26/2023 12:56:00 PM	R97053
Vinyl chloride	ND	0.50		µg/L	5	5/26/2023 12:56:00 PM	R97053
Xylenes, Total	3.8	0.75		µg/L	5	5/26/2023 12:56:00 PM	R97053
Surr: Dibromofluoromethane	87.0	70-130		%Rec	5	5/26/2023 12:56:00 PM	R97053
Surr: 1,2-Dichloroethane-d4	83.8	70-130		%Rec	5	5/26/2023 12:56:00 PM	R97053
Surr: Toluene-d8	111	70-130		%Rec	5	5/26/2023 12:56:00 PM	R97053
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	5	5/26/2023 12:56:00 PM	R97053

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B12**

14-Jun-23

Client: Harvest

Project: Florance GC J 16A

Sample ID:	**2305b12-001adup**	SampType:	**DUP**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**Influent Zone 02**	Batch ID:	**GA97084**	RunNo:	**97084**					
Prep Date:		Analysis Date:	**5/30/2023**	SeqNo:	**3524522**	Units:	**µg/L**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	1300	25						0.663	20	
Surr: BFB	55000		10000		554	15	412	0	0	S

Qualifiers:

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

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ANALYTICAL SUMMARY REPORT

June 13, 2023

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

Work Order: B23052148 Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 5/24/2023 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B23052148-001	2305B12-001B, Influent Zone 02	05/19/23 15:00	05/24/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

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

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

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

Report Approved By:

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental
Project: Not Indicated
Lab ID: B23052148-001
Client Sample ID: 2305B12-001B, Influent Zone 02

Report Date: 06/13/23
Collection Date: 05/19/23 15:00
DateReceived: 05/24/23
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.00	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Nitrogen	78.45	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Carbon Dioxide	0.55	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Methane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Ethane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Propane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	05/26/23 03:51 / ikc
Propane	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	05/26/23 03:51 / ikc
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-95	05/26/23 03:51 / ikc
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-95	05/26/23 03:51 / ikc
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	05/26/23 03:51 / ikc
Pseudo-critical Temperature, deg R	240			1		GPA 2261-95	05/26/23 03:51 / ikc
Specific Gravity @ 60/60F	1.00			0.001		D3588-81	05/26/23 03:51 / ikc
Air, %	95.94			0.01		GPA 2261-95	05/26/23 03:51 / ikc
- The analysis was not corrected for air.							
COMMENTS							
-						-	05/26/23 03:51 / ikc

- 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:** B23052148 **Report Date:** 06/13/23

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-95**										Batch: R402735
Lab ID: **B23052149-001ADUP**	12	Sample Duplicate				Run: GCNGA-B_230526A				05/26/23 02:45
Oxygen		20.0	Mol %	0.01				0.1	20	
Nitrogen		77.9	Mol %	0.01				0	20	
Carbon Dioxide		1.88	Mol %	0.01				0.5	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		0.21	Mol %	0.01				9.1	20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: **LCS052623**	11	Laboratory Control Sample				Run: GCNGA-B_230526A				05/26/23 07:04
Oxygen		0.60	Mol %	0.01	120	70	130			
Nitrogen		6.07	Mol %	0.01	101	70	130			
Carbon Dioxide		1.00	Mol %	0.01	101	70	130			
Methane		74.6	Mol %	0.01	100	70	130			
Ethane		6.03	Mol %	0.01	100	70	130			
Propane		5.00	Mol %	0.01	101	70	130			
Isobutane		2.00	Mol %	0.01	100	70	130			
n-Butane		1.99	Mol %	0.01	99	70	130			
Isopentane		1.00	Mol %	0.01	100	70	130			
n-Pentane		1.00	Mol %	0.01	100	70	130			
Hexanes plus		0.72	Mol %	0.01	90	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Work Order Receipt Checklist

Hall Environmental

B23052148

Login completed by: Yvonna E. Smith
Date Received: 5/24/2023
Reviewed by: lleprowse
Received by: crs
Reviewed Date: 5/30/2023
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	21.6°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

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

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

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

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

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

SUB CONTRATOR:	**Energy Labs -Billings**	COMPANY:	**Energy Laboratories**	PHONE: **(406) 869-6253**	FAX: **(406) 252-6069**
ADDRESS:	**1120 South 27th Street**			ACCOUNT #:	EMAIL:
CITY, STATE, ZIP:	**Billings, MT 59107**				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2305B12-001B	Influent Zone 02	TEDLAR	Air	5/19/2023 3:00:00 PM	1	Natural Gas Analysis, O2, CO2 B23052148

SPECIAL INSTRUCTIONS / COMMENTS:

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

Relinquished By:	Date: 5/22/2023	Time: 10:20 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: Undeen	Date: 5/24/23	Time: 0915

TAT: Standard ☑ **RUSH** Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2305B12 | RcptNo: 1

Received By: Tracy Casarrubias 5/20/2023 9:30:00 AM

Completed By: Desiree Dominguez 5/22/2023 10:20:34 AM

Reviewed By: 5/22/23

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: 5/22/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

Client information not complete. -DAD 5/22/23

17. **Cooler Information**

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

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: Oakley Hayes

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Florance GC J16A

Project #:

Project Manager: Danny Burns

Sampler: DB

On Ice: ☐ Yes ☒ No

# of Coolers: 1

Cooler Temp(Including CF): N/A (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2305B12	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA) Full VOCs	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Fixed Gas O_2 + CO_2
5-19-23	1500	Air	Influent Zone02	2 Teller	—	-001		X						X			X

Remarks: cc: dburns ecarroll@ensolum.com bhert

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
5-19-23	15:30	DB		CO	5/19/23	1530
5/19/23	1820			Courier	5/20/23	9:30

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 21, 2023

Danny Burns

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

RE: Florance GC J16A OrderNo.: 2306508

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 25 sample(s) on 6/9/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-3R
Project: Florance GC J16A
Collection Date: 6/7/2023 2:14:00 PM
Lab ID: 2306508-001 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	1500	100		µg/L	100	6/13/2023 3:12:37 PM	BW9736
Toluene	ND	100		µg/L	100	6/13/2023 3:12:37 PM	BW9736
Ethylbenzene	170	100		µg/L	100	6/13/2023 3:12:37 PM	BW9736
Xylenes, Total	1600	200		µg/L	100	6/13/2023 3:12:37 PM	BW9736
Surr: 4-Bromofluorobenzene	91.5	52.4-148		%Rec	100	6/13/2023 3:12:37 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-4
Project: Florance GC J16A
Collection Date: 6/6/2023 2:40:00 PM
Lab ID: 2306508-002 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 8:42:38 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 8:42:38 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 8:42:38 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 8:42:38 PM	BW9736
Surr: 4-Bromofluorobenzene	91.2	52.4-148		%Rec	1	6/12/2023 8:42:38 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-6
Project: Florance GC J16A
Collection Date: 6/7/2023 5:00:00 PM
Lab ID: 2306508-003 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 9:06:10 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 9:06:10 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 9:06:10 PM	BW9736
Xylenes, Total	12	2.0		µg/L	1	6/12/2023 9:06:10 PM	BW9736
Surr: 4-Bromofluorobenzene	93.5	52.4-148		%Rec	1	6/12/2023 9:06:10 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-8
Project: Florance GC J16A
Collection Date: 6/7/2023 11:15:00 AM
Lab ID: 2306508-004 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 9:29:35 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 9:29:35 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 9:29:35 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 9:29:35 PM	BW9736
Surr: 4-Bromofluorobenzene	89.6	52.4-148		%Rec	1	6/12/2023 9:29:35 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-10
Project: Florance GC J16A
Collection Date: 6/7/2023 4:20:00 PM
Lab ID: 2306508-005 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	3.0	1.0		µg/L	1	6/13/2023 5:34:47 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/13/2023 5:34:47 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/13/2023 5:34:47 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/13/2023 5:34:47 PM	BW9736
Surr: 4-Bromofluorobenzene	89.6	52.4-148		%Rec	1	6/13/2023 5:34:47 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-11
Project: Florance GC J16A
Collection Date: 6/6/2023 11:45:00 AM
Lab ID: 2306508-006 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 10:16:28 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 10:16:28 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 10:16:28 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 10:16:28 PM	BW9736
Surr: 4-Bromofluorobenzene	90.8	52.4-148		%Rec	1	6/12/2023 10:16:28 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-13
Project: Florance GC J16A
Collection Date: 6/6/2023 12:05:00 PM
Lab ID: 2306508-007 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	8.4	1.0		µg/L	1	6/13/2023 5:58:31 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/13/2023 5:58:31 PM	BW9736
Ethylbenzene	1.3	1.0		µg/L	1	6/13/2023 5:58:31 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/13/2023 5:58:31 PM	BW9736
Surr: 4-Bromofluorobenzene	89.6	52.4-148		%Rec	1	6/13/2023 5:58:31 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-14
Project: Florance GC J16A
Collection Date: 6/6/2023 2:05:00 PM
Lab ID: 2306508-008 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 11:03:16 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 11:03:16 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 11:03:16 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 11:03:16 PM	BW9736
Surr: 4-Bromofluorobenzene	87.3	52.4-148		%Rec	1	6/12/2023 11:03:16 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-17
Project: Florance GC J16A
Collection Date: 6/6/2023 11:24:00 AM
Lab ID: 2306508-009
Matrix: AQUEOUS
Received Date: 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 11:26:53 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 11:26:53 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 11:26:53 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 11:26:53 PM	BW9736
Surr: 4-Bromofluorobenzene	86.9	52.4-148		%Rec	1	6/12/2023 11:26:53 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-18
Project: Florance GC J16A
Collection Date: 6/6/2023 11:42:00 AM
Lab ID: 2306508-010 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	6/12/2023 11:50:13 PM	BW9736
Toluene	ND	1.0		µg/L	1	6/12/2023 11:50:13 PM	BW9736
Ethylbenzene	ND	1.0		µg/L	1	6/12/2023 11:50:13 PM	BW9736
Xylenes, Total	ND	2.0		µg/L	1	6/12/2023 11:50:13 PM	BW9736
Surr: 4-Bromofluorobenzene	85.6	52.4-148		%Rec	1	6/12/2023 11:50:13 PM	BW9736

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-19
Project: Florance GC J16A
Collection Date: 6/6/2023 12:20:00 PM
Lab ID: 2306508-011 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	13	5.0		µg/L	5	6/16/2023 12:56:02 PM	R97533
Toluene	ND	5.0		µg/L	5	6/16/2023 12:56:02 PM	R97533
Ethylbenzene	14	5.0		µg/L	5	6/16/2023 12:56:02 PM	R97533
Xylenes, Total	71	7.5		µg/L	5	6/16/2023 12:56:02 PM	R97533
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	5	6/16/2023 12:56:02 PM	R97533
Surr: Dibromofluoromethane	106	70-130		%Rec	5	6/16/2023 12:56:02 PM	R97533
Surr: Toluene-d8	102	70-130		%Rec	5	6/16/2023 12:56:02 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-20
Project: Florance GC J16A
Collection Date: 6/6/2023 12:40:00 PM
Lab ID: 2306508-012 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	2.0	D	µg/L	2	6/15/2023 6:09:36 PM	SL97503
Toluene	ND	2.0	D	µg/L	2	6/15/2023 6:09:36 PM	SL97503
Ethylbenzene	ND	2.0	D	µg/L	2	6/15/2023 6:09:36 PM	SL97503
Xylenes, Total	ND	3.0	D	µg/L	2	6/15/2023 6:09:36 PM	SL97503
Surr: 1,2-Dichloroethane-d4	118	70-130	D	%Rec	2	6/15/2023 6:09:36 PM	SL97503
Surr: Dibromofluoromethane	110	70-130	D	%Rec	2	6/15/2023 6:09:36 PM	SL97503
Surr: Toluene-d8	93.2	70-130	D	%Rec	2	6/15/2023 6:09:36 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-21
Project: Florance GC J16A
Collection Date: 6/6/2023 1:50:00 PM
Lab ID: 2306508-013 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/15/2023 6:37:14 PM	SL97503
Toluene	ND	1.0		µg/L	1	6/15/2023 6:37:14 PM	SL97503
Ethylbenzene	ND	1.0		µg/L	1	6/15/2023 6:37:14 PM	SL97503
Xylenes, Total	ND	1.5		µg/L	1	6/15/2023 6:37:14 PM	SL97503
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/15/2023 6:37:14 PM	SL97503
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/15/2023 6:37:14 PM	SL97503
Surr: Toluene-d8	96.7	70-130		%Rec	1	6/15/2023 6:37:14 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-22
Project: Florance GC J16A
Collection Date: 6/6/2023 1:00:00 PM
Lab ID: 2306508-014 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	2.0	D	µg/L	2	6/15/2023 7:04:52 PM	SL97503
Toluene	ND	2.0	D	µg/L	2	6/15/2023 7:04:52 PM	SL97503
Ethylbenzene	ND	2.0	D	µg/L	2	6/15/2023 7:04:52 PM	SL97503
Xylenes, Total	ND	3.0	D	µg/L	2	6/15/2023 7:04:52 PM	SL97503
Surr: 1,2-Dichloroethane-d4	111	70-130	D	%Rec	2	6/15/2023 7:04:52 PM	SL97503
Surr: Dibromofluoromethane	105	70-130	D	%Rec	2	6/15/2023 7:04:52 PM	SL97503
Surr: Toluene-d8	99.7	70-130	D	%Rec	2	6/15/2023 7:04:52 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-23
Project: Florance GC J16A
Collection Date: 6/6/2023 1:26:00 PM
Lab ID: 2306508-015 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/15/2023 7:32:30 PM	SL97503
Toluene	ND	1.0		µg/L	1	6/15/2023 7:32:30 PM	SL97503
Ethylbenzene	ND	1.0		µg/L	1	6/15/2023 7:32:30 PM	SL97503
Xylenes, Total	ND	1.5		µg/L	1	6/15/2023 7:32:30 PM	SL97503
Surr: 1,2-Dichloroethane-d4	123	70-130		%Rec	1	6/15/2023 7:32:30 PM	SL97503
Surr: Dibromofluoromethane	117	70-130		%Rec	1	6/15/2023 7:32:30 PM	SL97503
Surr: Toluene-d8	99.0	70-130		%Rec	1	6/15/2023 7:32:30 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-24
Project: Florance GC J16A
Collection Date: 6/6/2023 12:00:00 PM
Lab ID: 2306508-016 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/15/2023 8:00:03 PM	SL97503
Toluene	ND	1.0		µg/L	1	6/15/2023 8:00:03 PM	SL97503
Ethylbenzene	1.0	1.0		µg/L	1	6/15/2023 8:00:03 PM	SL97503
Xylenes, Total	ND	1.5		µg/L	1	6/15/2023 8:00:03 PM	SL97503
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	6/15/2023 8:00:03 PM	SL97503
Surr: Dibromofluoromethane	125	70-130		%Rec	1	6/15/2023 8:00:03 PM	SL97503
Surr: Toluene-d8	99.6	70-130		%Rec	1	6/15/2023 8:00:03 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-25
Project: Florance GC J16A
Collection Date: 6/7/2023 10:45:00 AM
Lab ID: 2306508-017 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	2.0	D	µg/L	2	6/15/2023 8:27:35 PM	SL97503
Toluene	ND	2.0	D	µg/L	2	6/15/2023 8:27:35 PM	SL97503
Ethylbenzene	ND	2.0	D	µg/L	2	6/15/2023 8:27:35 PM	SL97503
Xylenes, Total	ND	3.0	D	µg/L	2	6/15/2023 8:27:35 PM	SL97503
Surr: 1,2-Dichloroethane-d4	106	70-130	D	%Rec	2	6/15/2023 8:27:35 PM	SL97503
Surr: Dibromofluoromethane	105	70-130	D	%Rec	2	6/15/2023 8:27:35 PM	SL97503
Surr: Toluene-d8	94.4	70-130	D	%Rec	2	6/15/2023 8:27:35 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** SB03
Project: Florance GC J16A **Collection Date:** 6/7/2023 3:27:00 PM
Lab ID: 2306508-018 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	2.0	D	µg/L	5	6/15/2023 8:55:06 PM	SL97503
Toluene	ND	2.0	D	µg/L	5	6/15/2023 8:55:06 PM	SL97503
Ethylbenzene	3.6	2.0	D	µg/L	5	6/15/2023 8:55:06 PM	SL97503
Xylenes, Total	22	4.0	D	µg/L	5	6/15/2023 8:55:06 PM	SL97503
Surr: 1,2-Dichloroethane-d4	110	70-130	D	%Rec	5	6/15/2023 8:55:06 PM	SL97503
Surr: Dibromofluoromethane	108	70-130	D	%Rec	5	6/15/2023 8:55:06 PM	SL97503
Surr: Toluene-d8	99.5	70-130	D	%Rec	5	6/15/2023 8:55:06 PM	SL97503

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB04
Project: Florance GC J16A
Collection Date: 6/7/2023 5:20:00 PM
Lab ID: 2306508-019 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/16/2023 1:23:33 PM	R97533
Toluene	ND	1.0		µg/L	1	6/16/2023 1:23:33 PM	R97533
Ethylbenzene	3.2	1.0		µg/L	1	6/16/2023 1:23:33 PM	R97533
Xylenes, Total	5.3	1.5		µg/L	1	6/16/2023 1:23:33 PM	R97533
Surr: 1,2-Dichloroethane-d4	86.2	70-130		%Rec	1	6/16/2023 1:23:33 PM	R97533
Surr: Dibromofluoromethane	88.5	70-130		%Rec	1	6/16/2023 1:23:33 PM	R97533
Surr: Toluene-d8	105	70-130		%Rec	1	6/16/2023 1:23:33 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB05
Project: Florance GC J16A
Collection Date: 6/7/2023 4:40:00 PM
Lab ID: 2306508-020 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	930	10	P	µg/L	10	6/16/2023 1:51:06 PM	R97533
Toluene	780	10	P	µg/L	10	6/16/2023 1:51:06 PM	R97533
Ethylbenzene	45	10	P	µg/L	10	6/16/2023 1:51:06 PM	R97533
Xylenes, Total	2700	150		µg/L	100	6/20/2023 12:23:35 PM	SL97596
Surr: 1,2-Dichloroethane-d4	106	70-130	P	%Rec	10	6/16/2023 1:51:06 PM	R97533
Surr: Dibromofluoromethane	112	70-130	P	%Rec	10	6/16/2023 1:51:06 PM	R97533
Surr: Toluene-d8	101	70-130	P	%Rec	10	6/16/2023 1:51:06 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB06
Project: Florance GC J16A
Collection Date: 6/7/2023 4:00:00 PM
Lab ID: 2306508-021 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	8.7	5.0		µg/L	10	6/20/2023 12:51:02 PM	SL97596
Toluene	ND	5.0		µg/L	10	6/20/2023 12:51:02 PM	SL97596
Ethylbenzene	91	5.0		µg/L	10	6/20/2023 12:51:02 PM	SL97596
Xylenes, Total	610	10		µg/L	10	6/20/2023 12:51:02 PM	SL97596
Surr: 1,2-Dichloroethane-d4	90.9	70-130		%Rec	10	6/20/2023 12:51:02 PM	SL97596
Surr: Dibromofluoromethane	97.3	70-130		%Rec	10	6/20/2023 12:51:02 PM	SL97596
Surr: Toluene-d8	98.5	70-130		%Rec	10	6/20/2023 12:51:02 PM	SL97596

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB11
Project: Florance GC J16A
Collection Date: 6/7/2023 12:30:00 PM
Lab ID: 2306508-022 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	1400	100		µg/L	100	6/20/2023 1:18:30 PM	SL97596
Toluene	ND	10		µg/L	10	6/16/2023 2:46:18 PM	R97533
Ethylbenzene	130	10		µg/L	10	6/16/2023 2:46:18 PM	R97533
Xylenes, Total	770	15		µg/L	10	6/16/2023 2:46:18 PM	R97533
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	10	6/16/2023 2:46:18 PM	R97533
Surr: Dibromofluoromethane	101	70-130		%Rec	10	6/16/2023 2:46:18 PM	R97533
Surr: Toluene-d8	92.9	70-130		%Rec	10	6/16/2023 2:46:18 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB13
Project: Florance GC J16A
Collection Date: 6/7/2023 12:00:00 PM
Lab ID: 2306508-023 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/16/2023 3:13:56 PM	R97533
Toluene	ND	1.0		µg/L	1	6/16/2023 3:13:56 PM	R97533
Ethylbenzene	ND	1.0		µg/L	1	6/16/2023 3:13:56 PM	R97533
Xylenes, Total	ND	1.5		µg/L	1	6/16/2023 3:13:56 PM	R97533
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/16/2023 3:13:56 PM	R97533
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/16/2023 3:13:56 PM	R97533
Surr: Toluene-d8	92.2	70-130		%Rec	1	6/16/2023 3:13:56 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB15
Project: Florance GC J16A
Collection Date: 6/7/2023 3:00:00 PM
Lab ID: 2306508-024 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/16/2023 3:41:35 PM	R97533
Toluene	ND	1.0		µg/L	1	6/16/2023 3:41:35 PM	R97533
Ethylbenzene	ND	1.0		µg/L	1	6/16/2023 3:41:35 PM	R97533
Xylenes, Total	ND	1.5		µg/L	1	6/16/2023 3:41:35 PM	R97533
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	6/16/2023 3:41:35 PM	R97533
Surr: Dibromofluoromethane	112	70-130		%Rec	1	6/16/2023 3:41:35 PM	R97533
Surr: Toluene-d8	97.8	70-130		%Rec	1	6/16/2023 3:41:35 PM	R97533

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

Qualifiers:

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

Analytical Report
Lab Order **2306508**
Date Reported: **6/21/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: SB16
Project: Florance GC J16A
Collection Date: 6/7/2023 3:40:00 PM
Lab ID: 2306508-025 **Matrix:** AQUEOUS **Received Date:** 6/9/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**	
Benzene	ND	1.0		µg/L	1	6/16/2023 4:09:11 PM	R97533
Toluene	ND	1.0		µg/L	1	6/16/2023 4:09:11 PM	R97533
Ethylbenzene	ND	1.0		µg/L	1	6/16/2023 4:09:11 PM	R97533
Xylenes, Total	ND	1.5		µg/L	1	6/16/2023 4:09:11 PM	R97533
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	6/16/2023 4:09:11 PM	R97533
Surr: Dibromofluoromethane	108	70-130		%Rec	1	6/16/2023 4:09:11 PM	R97533
Surr: Toluene-d8	93.4	70-130		%Rec	1	6/16/2023 4:09:11 PM	R97533

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306508**

21-Jun-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **BW97366**	RunNo: **97366**
Prep Date:	Analysis Date: **6/12/2023**	SeqNo: **3538714** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	15	1.0	20.00	0	73.3	70	130			
Toluene	15	1.0	20.00	0	72.9	70	130			
Ethylbenzene	14	1.0	20.00	0	70.6	70	130			
Xylenes, Total	43	2.0	60.00	0	71.8	70	130			
Surr: 4-Bromofluorobenzene	19		20.00		94.0	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **BW97366**	RunNo: **97366**
Prep Date:	Analysis Date: **6/12/2023**	SeqNo: **3538715** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	18		20.00		89.9	52.4	148			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306508**

21-Jun-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **100ng lcs4**	SampType: **LCS4**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **SL97503**	RunNo: **97503**
Prep Date:	Analysis Date: **6/15/2023**	SeqNo: **3542917** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	109	80	120			
Toluene	19	1.0	20.00	0	95.0	80	120			
Ethylbenzene	19	1.0	20.00	0	96.2	80	120			
Xylenes, Total	60	1.5	60.00	0	100	80	120			
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.1	70	130			
Surr: Dibromofluoromethane	11		10.00		109	70	130			
Surr: Toluene-d8	9.8		10.00		97.6	70	130			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL97503**	RunNo: **97503**
Prep Date:	Analysis Date: **6/15/2023**	SeqNo: **3542928** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		114	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		91.6	70	130			
Surr: Dibromofluoromethane	11		10.00		111	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R97533**	RunNo: **97533**
Prep Date:	Analysis Date: **6/16/2023**	SeqNo: **3544433** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	21	1.0	20.00	0	105	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		115	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		91.9	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

Sample ID: **2306508-019a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **SB04**	Batch ID: **R97533**	RunNo: **97533**
Prep Date:	Analysis Date: **6/16/2023**	SeqNo: **3544439** Units: **µg/L**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306508**

21-Jun-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **2306508-019a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**							
Client ID: **SB04**	Batch ID: **R97533**	RunNo: **97533**							
Prep Date:	Analysis Date: **6/16/2023**	SeqNo: **3544439**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.8	70	130			
Toluene	19	1.0	20.00	0	95.0	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		93.9	70	130			
Surr: 4-Bromofluorobenzene	15		10.00		145	70	130			S
Surr: Dibromofluoromethane	9.1		10.00		90.8	70	130			
Surr: Toluene-d8	10		10.00		102	70	130			

Sample ID: **2306508-019a msd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**							
Client ID: **SB04**	Batch ID: **R97533**	RunNo: **97533**							
Prep Date:	Analysis Date: **6/16/2023**	SeqNo: **3544440**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	83.8	70	130	6.87	20	
Toluene	18	1.0	20.00	0	88.1	70	130	7.55	20	
Surr: 1,2-Dichloroethane-d4	9.2		10.00		91.7	70	130	0	0	
Surr: 4-Bromofluorobenzene	12		10.00		117	70	130	0	0	
Surr: Dibromofluoromethane	8.9		10.00		89.0	70	130	0	0	
Surr: Toluene-d8	10		10.00		104	70	130	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**							
Client ID: **PBW**	Batch ID: **R97533**	RunNo: **97533**							
Prep Date:	Analysis Date: **6/16/2023**	SeqNo: **3544452**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	12		10.00		119	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.0	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	9.7		10.00		97.4	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**							
Client ID: **LCSW**	Batch ID: **SL97596**	RunNo: **97596**							
Prep Date:	Analysis Date: **6/20/2023**	SeqNo: **3548242**	Units: **µg/L**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	117	70	130			
Toluene	21	1.0	20.00	0	103	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306508**

21-Jun-23

Client: Harvest

Project: Florance GC J16A

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL97596**	RunNo: **97596**
Prep Date:	Analysis Date: **6/20/2023**	SeqNo: **3548242** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.2	70	130			
Surr: Dibromofluoromethane	11		10.00		114	70	130			
Surr: Toluene-d8	9.9		10.00		99.4	70	130			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL97596**	RunNo: **97596**
Prep Date:	Analysis Date: **6/20/2023**	SeqNo: **3548249** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	11		10.00		111	70	130			
Surr: 4-Bromofluorobenzene	9.5		10.00		95.4	70	130			
Surr: Dibromofluoromethane	12		10.00		117	70	130			
Surr: Toluene-d8	9.9		10.00		98.8	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2306508 | RcptNo: 1

Received By: Cheyenne Cason 6/9/2023 7:20:00 AM

Completed By: Cheyenne Cason 6/9/2023 11:07:29 AM

Reviewed By: JA 6-9-23

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: _____

SCM 06/09/23

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

Client Information missing Address, Phone number and Email - CMC 6/9/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good	Yes	Yogi		

Chain-of-Custody Record

Client: Harvest Four Corners LLC

Attn: Oakley Hayes

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: Florence GC J16A

Project #:

Project Manager: Danny Burns

Sampler:

On Ice: ☑ Yes ☐ No Yogi

# of Coolers: 1

Cooler Temp(Including CF): 2.6 - 0 = 2.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2306508	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/7/23	14:14	AQ	MW-3R	3x VOAs	HCl	001	X									
6-6-23	14:40	AQ	MW-4			002										
6-7	17:00		MW-6			003										
6-7	11:15		MW-8			004										
6-7	16:20		MW-10			005										
6-6	11:45		MW-11			006										
6-6	12:05		MW-13			007										
6-6	14:05		MW-14			008										
6-6	11:24		MW-17			009										
6-6	11:42		MW-18			010										
6-6	12:20		MW-19			011										
6-6	12:40		MW-20			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/7/23	18:30				6/7/23	1836
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/8/23	1756			Courier	6/9/23	0720

Remarks: CC: dburns@ensolum.com
ecarroll@ensolum.com
athomson@ensolum.com

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

Chain-of-Custody Record

Client: Harvest Four Corners LLC

Attn: Ourley Hayes

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: Florence GC J16A

Project #:

Project Manager: Danny Burns

Sampler:

On Ice: ☒ Yes ☐ No Yogi

# of Coolers: 1

Cooler Temp(including CF): 2.6-0=2.6 (°C)

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4901 Hawkins NE - Albuquerque, NM 87109

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Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2306508	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6-6	13:50	AQ	MW-21	3x VOAs	$HgCl_2$	013	X									
6-6	13:00		MW-22		HCl	014										
6-6	13:26		MW-23		HCl	015										
6-6	12:00		MW-24			016										
6-7	10:45		MW-25			017										
6-7	15:27		SB03			018										
6-7	17:20		SB04			019										
6-7	16:40		SB05			020										
6-7	16:00		SB06			021										
6-7	12:30		SB11			022										
6-7	12:00		SB13			023										
6-7	1500	↓	SB15	↓	↓	024	↓									

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/7/23	18:30				6/7/23	1830
6/8/23	1756	Matt Waller	cmc	courier	6/9/23	0720

Remarks: CC: dburns@ensolum.com
ecarroll@ensolum.com
athomson@ensolum.com

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Chain-of-Custody Record

Client: Harvest Four Corners LLC

Attn: Oakley Hayes

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: Florence GC J16A

Project #:

Project Manager: Danny Burns

Sampler:

On Ice: ☑ Yes ☐ No Yogi

# of Coolers: (

Cooler Temp(including CF): 2.6-0=2.6 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6-7	15:40	AQ	SB16	3x VOAs	HCl	2306608-025	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6-7-23	18:30		Chant		6/7/23	1830
6/8/23	1756	Christian Llull	CMC	courier	6/9/23	0720

Remarks: CC: dburns@ensolum.com
ecarrd@ensolum.com
athomson@ensolum.com

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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 246087

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	373888
	Action Number: 246087
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	App ID 246087: Accepted for the record. See App ID 309404 for most updated status.	7/5/2024