2Q 2020
SVE
Report

From: Smith, Cory, EMNRD
To: "Brooke Herb"
Cc: Daniel Burns; Monica Smith
Subject: RE: Florance GCJ16A - 2nd Qtr remediation update
Date: Monday, August 3, 2020 9:37:00 AM
Attachments: image002.png
image003.png
image004.png

Monica,

OCD has approved the Q2 2020 report. Please continue to operate as previously approved.

This report will be scanned into online incident# NCS1629854256

Thank you,

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

From: Brooke Herb <bherb@ltenv.com>
Sent: Friday, July 31, 2020 4:56 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Daniel Burns <dburns@ltenv.com>; Monica Smith <msmith@harvestmidstream.com>
Subject: [EXT] Florance GCJ16A - 2nd Qtr remediation update

Cory,

Attached is the 2nd Quarter 2020 Remediation Update for the Florance GC J 16A.

Incident # NCS1629854256
Remediation Permit Number 3RP-364

Thank you,
Brooke

Brooke Herb
Project Geologist/ Four Corners Office Manager
970.403.6824 *cell*
970.385.1096 *direct*

LT Environmental, Inc.
848 East Second Avenue
Durango, Colorado 81301
970.385.1096

July 31, 2020

Mr. Cory Smith
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Quarterly Remediation System Operation and Monitoring Report
Florance Gas Com J No. 16A
API # 30-045-21790
Incident # NCS1629854256
Remediation Permit Number 3RP-364
Harvest Four Corners, LLC
San Juan County, New Mexico

Dear Mr. Smith:

The following report provides a quarterly summary of remediation system operation and monitoring (O&M) completed during the second quarter of 2020 at the Florance Gas Com J No. 16A (GC J#16A) (Site) (Remediation Permit Number 3RP-364, Incident Number NCS1629854256) located in San Juan County, New Mexico. The activity included in this report is for the period from March 20, 2020 through June 26, 2020. The report was prepared by LT Environmental, Inc. (LTE) on behalf of Harvest Four Corners, LLC (Harvest). Harvest assumed operation of the assets associated with the location from Williams Four Corners LLC (Williams) on October 1, 2018 and is continuing site remediation activities.

The report is provided in accordance with the conditions of approval from the New Mexico Oil Conservation Division (NMOCD) pertaining to the multi-phase extraction (MPE) 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 the quarterly groundwater sampling events data and summaries.

SYSTEM DESCRIPTION

The remediation system at the Site includes an MPE system which uses two high vacuum blowers to initiate vacuum in remediation wells connected to the blowers via subsurface conduits. The extracted air, petroleum vapors, and fluid enter a fluid/air separation tank. Air and petroleum vapors are passed through two extraction blowers and emitted out exhaust stacks. Separated fluid which includes light non-aqueous phase liquids (LNAPL) and 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 on Figure 1. A report summarizing remediation system operation for the previous quarters of system operation have been submitted to the NMOCD by Harvest and Williams.

REMEDIATION SYSTEM OPERATION AND MONITORING

Routine bi-weekly system monitoring has been conducted from system startup through the second quarter 2020. The results of these efforts are summarized in tables attached to this report including the following information through the final site visit for the quarter conducted on June 26, 2020.

Vapor Recovery

- The run time for the remediation system listed in Table 1 indicates an average run time for the second quarter of 93 percent (%), with a cumulative overall run time of 88%. Temporary system operation interruptions occurred due to routine maintenance requirements, monthly LNAPL gauging, and groundwater sampling activities.

- Air/vapor samples from the MPE system inlet piping were collected following cycling of different extraction well zones, typically one sample per zone per quarter. Four samples were collected during this reporting period. Samples were collected using a high vacuum sampling pump to fill a 1-Liter Tedlar® bag from the system inlet manifold and submitted for analysis for 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, to Hall Environmental Analysis Laboratory (Hall) of Albuquerque, New Mexico. The analytical results from the second quarter of 2020 are summarized in Table 2. Copies of the laboratory analytical reports for the vapor samples are provided in Attachment 1.
- The calculated mass removal rate based on field and analytical results is provided in Table 3. Results indicate that since startup, the system has removed 2,575 pounds (lbs) of regulated VOCs. In the second quarter 2020, the calculated mass removal rate based on VOC data varied from 0.006 lbs. per day to 0.431 lbs per day. A total of 14 lbs of regulated VOCs were removed during the second quarter of 2020 through June 26, 2020.

Fluid Recovery

- Fluid recovery efforts are summarized in Table 4. During the second quarter of 2020 total fluid recovery was measured using a flow metering device. Since startup of the system through June 26, 2020, approximately 195,568 gallons of impacted groundwater and free product have been recovered. Recovered product and groundwater are mixed during extraction and as a result the product volume within the recovery tank is not measurable, therefore, the estimated volume of product recovered has been removed from Table 4. The recovered liquids are thoroughly emulsified, and a measurable level of product is undetectable by an oil/water interface probe in the fluid recovery tank.
- Table 5 provides a summary of operational data for the SVE system including measurements of applied vacuum and measured flow rates for the individual recovery well lines for the second quarter of 2020. The specific zones and period of operation are indicated in this table.

CONCRETE TRAP/SECONDARY SEEP MONITORING

During the second quarter of 2020, the collection sump associated with the seep areas and collection piping were examined for fluid recovery during scheduled O&M visits. No measurable phase separated hydrocarbons (PSH) were observed in the seep collection tank, but a sheen was observed on top of the fluids inside of the seep collection tank. Approximately 200 gallons of fluid are in the seep collection tank, likely a result from precipitation events and stormwater runoff in the concrete trap. Continued monitoring of the seep tank level will occur during bi-weekly site visits to observe if the fluid recovery levels increase. If there is an increase in fluid recovery levels, a sample of the liquids inside the sump will be collected and analyzed for BTEX. The sump level will be monitored and emptied as needed.

GROUNDWATER MONITORING

Groundwater monitoring activities were conducted at the Site on June 4 and 5, 2020. LTE measured groundwater elevations and investigated the presence of PSH in all monitoring wells. Groundwater samples were collected following the sampling schedule proposed in the fourth quarter 2019, Quarterly Remediation System Operation and Monitoring Report. Groundwater samples were not collected from monitoring wells where measurable PSH was detected.

Water and PSH Level Measurements

Groundwater level monitoring included recording depth to groundwater and/or PSH in all existing monitoring wells with an oil/water interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with de-ionized water prior to each measurement. Groundwater elevations are summarized in Table 6.

Groundwater Contour Maps

LTE used existing top-of-casing well elevations and measured groundwater elevations to draft groundwater elevation contours and determine groundwater flow direction in June 2020 (Figure 2). Contours were inferred based on groundwater elevations obtained and observations of physical characteristics at the Site (topography, proximity to springs, etc.).

Groundwater Sampling

Groundwater samples were collected from monitoring wells that did not contain PSH. Groundwater samples were submitted under strict chain-of-custody protocol to Hall for analysis of BTEX by EPA Method 8021B. Groundwater samples were collected using the volume of water in the monitoring wells to calculate a minimum of three well casing volumes of groundwater and the calculated volume was purged from each well using a new disposable polyethylene bailer, or until the well was purged dry. LTE used a YSI 556 hand-held multi-probe water quality field meter to record pH, electric conductivity (EC), and temperature of the groundwater during purging. Monitoring wells were purged until these properties stabilized, or until the well was purged dry.

Results

Groundwater elevations measured during the monitoring event in June 2020 indicated a general southeast trending gradient toward the natural seeps and an unnamed, second-order tributary of the San Juan River. However, localized topography and geology, including previously excavated and backfill material may contribute to variations in groundwater elevations and flow. Figure 2 depicts groundwater elevations, PSH thickness and estimated groundwater flow direction for the June 2020 monitoring event. During the June 2020 monitoring event, remediation Zone 4 was active during sampling activities. A summary of measured depths to groundwater and PSH thickness is presented in Table 6. During the second quarter 2020 monitoring event, PSH was measurable in two monitoring wells and PSH was observed in one additional monitoring wells during purging. Measurable product thickness ranged from 0.08 feet in MW-12 to 0.18 feet in SB01.

A total of 15 groundwater samples were collected from the following monitoring wells: SB03, SB13, SB18, MW-6, MW-9, MW-10, MW-13, MW-15, MW-18, MW-20, MW-21, MW-22, MW-23, MW-24, and MW-25. Results for monitoring wells SB13, MW-6, MW-9, MW-18, MW-20, MW-21, MW-22, MW-23, MW-24 and MW-25 did not exceed the NMWQQC standards for any constituent of BETX during the June 2020 sampling event. Benzene concentrations exceeding the NMWQQC standards ranged from 32 micrograms per liter (µg/L) in SB03 to 8,600 µg/L in MW-15. Toluene concentrations of 10,000 and 9,100 µg/L in MW-15 and SB18 exceeded the NMWQQC standard. An ethylbenzene concentration of 760 µg/L in SB18 and 800 µg/L in MW-15 exceed the NMWQQC standard. Total xylene concentrations exceeding the NMWQQC standards ranged from 880 µg/L in MW-10 to 9,800 µg/L in SB18.

Table 7 summarizes groundwater analytical results and Figure 3 depicts groundwater analytical results for the June 2020 monitoring events. Laboratory analytical reports are included as Attachment 1.

PLAN FOR NEXT QUARTER OF OPERATION

System Operation

Operation of the remediation system will continue with the goal of optimizing vapor and liquid recovery. Remediation system operation indicates a decline in VOC concentrations for each zone sampled, as expected with this type of system. Based on these data, the frequency for air emission VOC sampling will remain the same in the third quarter of 2020. Sampling will continue to comply with the NMOCD Conditions of Approval.

During the third quarter of 2020, the following will be completed:

- Bi-weekly (every other week) system operation monitoring including cycling operations between the four zones;
- During bi-weekly O&M visits, temporary operation of wells where LNAPL has been observed will occur for approximately one hour, then the zone of operation will be changed;
- Periodic fluid elevation monitoring in selected remediation wells to evaluate the presence or absence of LNAPL;
- LNAPL will be bailed out of MW-19 during site visits and free product recovery socks will be placed in the well in the interim;
- One influent air extraction sample per operational zone, per quarter will be analyzed for BTEX and TPH; and
- When influent air extraction samples are not collected, a photoionization detector (PID) will be used to measure MPE air/vapor exhaust concentrations.

Groundwater Monitoring

A groundwater monitoring event will be conducted on a quarterly basis and periodic fluid elevation measurements will be obtained throughout the quarter.

The results of the fluid elevation measurements are reviewed, and system operational adjustments made based on these data. Groundwater monitoring results will be provided in the upcoming third quarter 2020 report.

LTE recommends the following reduced groundwater monitoring schedule with the semi-annual events scheduled for second and fourth quarters and annual events during the fourth quarter:

- Reduce to annual sampling: SB04, SB15, SB16, MW-4, MW-8, MW-11, MW-14, and MW-17;
- Reduce to semi-annual sampling: SB19, MW-18, MW-22, and MW-24.

Reporting

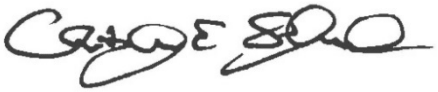
Quarterly system operation reports will continue to be prepared and submitted to NMOCD within 30 days following the end of each quarter and will continue to include:

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

Please contact Danny Burns with LTE at 970-385-1096 or Monica Smith (Harvest) at 505-632-4625 if you have any questions or concerns.

Sincerely,

LT ENVIRONMENTAL, INC.



Daniel Burns
Project Geologist

Chris Shepard
Chief Engineer

cc: Monica Smith, Harvest Four Corners, LLC

Attachments:

Figure 1	Remediation System Well Layout
Figure 2	June 2020 Groundwater Potentiometric Map
Figure 3	June 2020 Groundwater Analytical Results
Table 1	Remediation System Operational Run Time
Table 2	Extracted Air VOC Data – Second Quarter 2020
Table 3	Mass Removal Vapor Phase – Second Quarter 2020
Table 4	Fluid Recovery – Second Quarter 2020
Table 5	MPE System Operations – Second Quarter 2020
Table 6	Groundwater Elevation Summary
Table 7	Groundwater Analytical Results
Attachment 1	Laboratory Analytical Reports

METER RUN
MW25
CONTAINMENT
MW-4
MW-9
400 BBL AGTs
MW-21
MW-8
LOW PROFILE AGT (PIT)
SEPARATOR
MW-5
MW-2
MW-7
MW-1
SB14
SB13
MW-23
MW-22
MW-6
SB04
SB12
SB11
SB10
SB18
SB15
MW-3
MW-20
SB03
SB05
MW-3R
SB09
MW-12
SB16
SB06
SB07
SB08
SB01
SB19
MW-11
MW-10
MW-10 ABANDONED
SB02
SB17
MW-13
MW-16
MW-19
MW-15
MW24
MW-18
SB21
SEEP COLLECTION TANK
MW-14
MW-17
SB20

LEGEND

- NATURAL SPRING
- EAST SEEP PIPE INLET
- WEST SEEP PIPE INLET
- MONITORING WELL
- DESTROYED MONITORING WELL
- REMEDIATION/MONITORING WELL
- SOIL BORING
- WELLHEAD
- ESTIMATED GROUNDWATER FLOW DIRECTION
- FLOWLINE
- EAST SEEP PIPE
- WEST SEEP PIPE
- UNDER GROUND LINE
- REMEDIATION SYSTEM PIPING
- REMEDIATION RESPONSIBILITY DEMARCATION LINE
- ACCESS ROAD
- ARCH SITE BOUNDARY
- CONTROL BUILDING
- MPE SYSTEM
- BERM

RED TEXT INDICATES ZONE 01
GREEN TEXT INDICATES ZONE 02
YELLOW TEXT INDICATES ZONE 03
BLUE TEXT INDICATES ZONE 04

IMAGE COURTESY OF GOOGLE EARTH 2019

0 80 160
Feet

N

FIGURE 1
REMEDIATION SYSTEM LAYOUT
FLORANCE GC J#16A
UNIT P SEC 6 T30N R9W
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

P:\Harvest Four Corners\GIS\MXD\090318001_FLORANCE GCJ 16A\090318001_FIG01_REM_SYS_LAYOUT_2018.mxd

WELL ID
GROUNDWATER ELEVATION SURVEY DATE
ELEV: GROUNDWATER ELEVATION MEASURED IN FEET ABOVE MEAN SEA LEVEL
PSH: PHASE-SEPARATED HYDROCARBON THICKNESS MEASURED IN FEET
DRY: DRY WELL
NM: NOT MEASURED
NP: NO PRODUCT

MW-21
6/4/2020
ELEV: 6,470.80
PSH: NP

MW-25
6/4/2020
ELEV: 6,472.97
PSH: NP

MW-4
6/4/2020
ELEV: NM
PSH: NM

MW-8
6/4/2020
ELEV: NM
PSH: NP

MW-9
6/4/2020
ELEV: NM
PSH: NM

MW-23
6/4/2020
ELEV: 6,468.42
PSH: NP

SB13
6/4/2020
ELEV: 6,470.19
PSH: NP

SB11
6/4/2020
ELEV: 6,474.25
PSH: NP

MW-22
6/4/2020
ELEV: 6,467.05
PSH: NP

METER RUN
400 BBL AGTs
CONTAINMENT
LOW PROFILE AGT (PIT)
SEPARATOR
45 BBL BGT

MW-6
6/4/2020
ELEV: NM
PSH: NP

MW-1
MW-7
MW-5
MW-2

SB10
6/4/2020
ELEV: DRY
PSH: NP

SB18
6/4/2020
ELEV: 6,469.95
PSH: NP

MW-20
6/4/2020
ELEV: 6,464.57
PSH: NP

SB04
3/5/2020
ELEV: 6,472.38
PSH: NP

6,473

MW-3

SB15
6/4/2020
ELEV: 6,473.03
PSH: NP

SB12
6/4/2020
ELEV: 6,473.50
PSH: NP

SB09
6/4/2020
ELEV: 6,471.61
PSH: NP

MW-12
6/4/2020
ELEV: 6,470.08
PSH: 0.08

SB01
6/4/2020
ELEV: 6,470.63
PSH: 0.18

6,471

6,469

SB16
6/4/2020
ELEV: 6,472.12
PSH: NP

SB03
6/4/2020
ELEV: 6,472.20
PSH: NP

SB17
6/4/2020
ELEV: DRY
PSH: NP

SB08
3/5/2020
ELEV: 6,471.46
PSH: NP

SB19
6/4/2020
ELEV: 6,468.70
PSH: NP

MW-19
6/4/2020
ELEV: 6,462.15
PSH: NP

6,467

6,465

6,463

SB05
6/4/2020
ELEV: 6,474.08
PSH: NP

MW-3R
6/4/2020
ELEV: 6,473.31
PSH: TRACE

MW-24
6/4/2020
ELEV: 6,461.35
PSH: NP

MW-16
6/4/2020
ELEV: DRY
PSH: NP

MW-10
6/4/2020
ELEV: NM
PSH: NP

SB07
3/5/2020
ELEV: 6,470.91
PSH: NP

MW-15
6/4/2020
ELEV: 6,462.82
PSH: NP

MW-11
6/4/2020
ELEV: 6,466.04
PSH: NP

MW-18
6/4/2020
ELEV: 6,461.68
PSH: NP

SB06
6/4/2020
ELEV: 6,470.61
PSH: NP

MW-14
6/4/2020
ELEV: 6,461.70
PSH: NP

MW-13
6/4/2020
ELEV: 6,465.45
PSH: NP

MW-17
6/4/2020
ELEV: 6,461.61
PSH: NP

LEGEND

- NATURAL SPRING
- EAST SEEP PIPE INLET
- WEST SEEP PIPE INLET
- MONITORING WELL
- DESTROYED MONITORING WELL
- REMEDIATION/MONITORING WELL
- WELLHEAD
- ESTIMATED GROUNDWATER FLOW DIRECTION
- RELATIVE GROUNDWATER ELEVATION CONTOUR
  CONTOUR INTERVAL = 2.0 FEET
- ACCESS ROAD
- EAST SEEP PIPE
- WEST SEEP PIPE
- WILLIAMS BP BOUNDARY
- ARCH SITE BOUNDARY
- CONTROL BUILDING
- MPE SYSTEM

IMAGE COURTESY OF GOOGLE EARTH 2019

0 80 160
Feet

N

FIGURE 2
JUNE 2020 GROUNDWATER POTENTIOMETRIC MAP
FLORANCE GC J#16A
UNIT P SEC 6 T30N R9W
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

P:\Harvest Four Corners\GIS\MXD\090319004_FLORANCE GC J 16A\090319004_FIG02_GWE_JUNE_2020.mxd

WELL ID
GROUNDWATER SURVEY DATE
B: BENZENE (µg/L)
T: TOLUENE (µg/L)
E: ETHYLBENZENE (µg/L)
X: TOTAL XYLENES (µg/L)
µg/L: MICROGRAMS PER LITER
BOLD INDICATES RESULT EXCEEDS NEW MEXICO WATER QUALITY CONTROL COMMISSION STANDARD
NS-FP: NOT SAMPLED DUE TO PRESENCE OF FREE PHASE HYDROCARBONS
PSH: PHASE-SEPARATED HYDROCARBON THICKNESS MEASURED IN FEET
NS: NOT SAMPLED
NP: NO PRODUCT

MW-21
6/4/2020
B: 9.6
T: <1.0
E: 23
X: 21
PSH: NP

MW-25
6/4/2020
B: <1.0
T: <1.0
E: <1.0
X: <2.0
PSH: NP

MW-4
6/4/2020
NS
PSH: NP

SB13
6/4/2020
B:<1.0
T: <1.0
E: <1.0
X: <2.0
PSH: NP

MW-9
6/4/2020
B: <1.0
T: <1.0
E: <1.0
X: <2.0
PSH: NS

METER RUN

MW-8
6/4/2020
NS
PSH: NP

400 BBL AGTs

CONTAINMENT

LOW PROFILE AGT (PIT)

SEPARATOR

MW-23
6/4/2020
B: 1.8
T: <1.0
E: <1.0
X: <2.0
PSH: NP

MW-22
6/26/2020
B: <1.0
T: <1.0
E: <1.0
X: <1.5
PSH: NP

SB12
6/4/2020
NS
PSH: NP

SB10
6/4/2020
NS-DRY
PSH: NP

MW-6
6/4/2020
B: <1.0
T: 2.7
E: 66
X: 170
PSH: NP

MW-1

MW-5

MW-2

MW-7

SB04
6/4/2020
NS
PSH: NP

MW-3R
6/4/2020
NS-FP
PSH: TRACE

SB11
6/4/2020
NS
PSH: NP

SB18
6/5/2020
B: **7,400**
T: **9,100**
E: **760**
X: **9,800**
PSH: NP

MW-20
6/4/2020
B: <1.0
T: <1.0
E: <1.0
X: <2.0
PSH: NP

SB15
6/4/2020
NS
PSH: NP

MW-3

MW-12
6/4/2020
NS-FP
PSH: 0.08

SB09
6/4/2020
NS
PSH: NP

SB16
6/4/2020
NS
PSH: NP

SB08
6/4/2020
NS
PSH: NP

SB01
6/4/2020
NS-FP
PSH: 0.18

SB19
6/4/2020
NS
PSH: NP

MW-19
6/4/2020
NS-FP
PSH: TRACE

MW-11
6/4/2020
NS
PSH: NP

SB07
6/4/2020
NS
PSH: NP

SB17
6/4/2020
NS-DRY
PSH: NP

MW-18
6/26/2020
B: <1.0
T: <1.0
E: <1.0
X: <1.5
PSH: NP

SB03
6/4/2020
B: **32**
T: 8.1
E: 69
X: 720
PSH: NP

SB05
6/4/2020
NS
PSH: NP

MW-13
6/4/2020
B: **1,100**
T: <20
E: 160
X: 460
PSH: NP

MW-16
6/4/2020
NS
PSH: NP

MW-15
6/4/2020
B: **8,600**
T: **10,000**
E: **800**
X: **9,600**
PSH: NP

MW-24
6/26/2020
B: <1.0
T: <1.0
E: 5.3
X: <1.5
PSH: NP

SB06
6/4/2020
NS
PSH: NP

MW-10
6/4/2020
B: **370**
T: 46
E: 86
X: **880**
PSH: NP

MW-17
6/4/2020
NS
PSH: NP

MW-14
6/4/2020
NS
PSH: NP

IMAGE COURTESY OF GOOGLE EARTH 2019

0 80 160
Feet

N

LEGEND

- NATURAL SPRING
- EAST SEEP PIPE INLET
- WEST SEEP PIPE INLET
- MONITORING WELL
- DESTROYED MONITORING WELL
- REMEDIATION/MONITORING WELL
- WELLHEAD
- ESTIMATED GROUNDWATER FLOW DIRECTION
- ACCESS ROAD
- FLOWLINE
- WILLIAMS BP BOUNDARY
- EAST SEEP PIPE
- WEST SEEP PIPE
- BENZENE IMPACTS TO GROUNDWATER
- DASHED WHERE INFERRED
- ARCH SITE BOUNDARY
- BERM
- INFRASTRUCTURE

INFERRED PRODUCT THICKNESS (FEET)

- TRACE - 0.10
- 0.11 - 0.20

FIGURE 3
JUNE 2020 GROUNDWATER ANALYTICAL RESULTS
FLORANCE GC J#16A
UNIT P SEC 6 T30N R9W
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

P:\Harvest Four Corners\GIS\MXD\090319004_FLORANCE GC J 16A\090319004_FIG03_GWA_JUNE_2020.mxd

TABLE 1
REMEDIATION SYSTEMS OPERATIONAL RUN-TIME

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Date/Time of Reading	Blower Hour Meter Reading	Cumulative Run Time (%)	Quarterly Run Time (%)	Notes
5/4/18 9:00	42	START UP		
		Earlier Data Provided in Previous Quarterly Reports		
1/15/2020 13:30	13,058	87%	22%	Blower removed for repair.
2/10/2020 10:30	13,559	87%	59%	Montly gauguing
2/28/2020 10:45	13,991	87%	72%	Seep collection tank 15" full
3/6/2020 0:00	14,123	87%	73%	Quarterly groundwater sampling
3/20/2020 11:00	14,459	88%	77%	Oil added to B-702
4/2/2020 11:00	14,770	88%	100%	Run wells with product for 30 minutes
4/17/2020 10:45	15,129	88%	100%	Cleaned inlet filter on B-702
4/30/2020 10:30	15,386	88%	92%	Low vacuum from sampling pump
5/19/2020 10:45	15,834	88%	95%	No flow MW-10
6/4/2020 11:30	16,208	88%	95%	Quarterly sampling. Empty and clean knock out tank
6/26/2020 10:35	16,654	88%	93%	Collect two air samples to complete quarterly sampling
	Average Q2 2020 Run Time		93%	

Notes:

% - percent

Dashed line indicates quarter change

TABLE 2
EXTRACTED AIR VOC DATA - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Collection Date:	4/2/2020	4/30/2020	6/26/2020	6/26/2020
Collection Time:	13:10	14:30	12:25	13:35
Active Remediation Zone:	1	3	2	4
Benzene (µg/L)	0.49	<0.25	<0.10	0.98
Toluene (µg/L)	0.50	<0.10	<0.10	2.1
Ethylbenzene (µg/L)	0.68	0.20	<0.10	<0.50
Xylenes, Total (µg/L)	2.5	<0.10	0.28	9.9
Gasoline Range Organics (GRO) (µg/L)	880	120	13	1800
Total VOCs (µg/L):	4.2	0.2	0.28	12.98
PID Reading (ppm)	85.9	116	123	190

Note:

GRO - gasoline range organics

µg/L - micrograms per liter

ppm - parts per million

PID - photo-ionizaton detector

VOCs - volatile organic compounds

TABLE 3
MASS REMOVAL VAPOR PHASE - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Date/Time	Influent VOCs (mg/m^3)	Active Remediation Zone	Air Flow Rate (scfm)	Time Period (hr:min:sec)	Time Period (min)	VOC Mass Removed (lbs)	Gal Removed (@0.755 g/cm^3)	Mass Removal Rate (lbs/day)	Mass Removal Rate (ton/yr)
3/20/20 13:30	17.9	4	268	504:15:00	30,255	0.6	0.1	0.031	0.006
4/2/20 11:50	4.2	1	186	310:20:00	18,620	5.6	0.9	0.431	0.079
4/17/20 16:30	0.3	2	262	364:40:00	21,880	1.1	0.2	0.070	0.013
4/30/20 13:30	0.3	3	265	309:00:00	18,540	0.1	0.0	0.007	0.001
5/19/20 14:20	13.0	4	296	456:50:00	27,410	0.1	0.0	0.007	0.001
6/5/20 14:20	4.2	1	200	408:00:00	24,480	5.9	0.9	0.345	0.063
6/26/20 12:25	0.3	2	248	502:05:00	30,125	1.6	0.2	0.075	0.014
6/26/20 13:35	13	4	268.0	1:10:00	70	0.0	0.0	0.006	0.001
Total Quantity of Hydrocarbon VOC Removed 2nd Quarter 2020				14 lbs		2.3 gal		0.1 bbl	
Total Quantity of Hydrocarbon VOC Removed Since Start-up May 2018				2,575 lbs		498.8 gal		11.9 bbl	

Notes:

bbl - barrel
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
VOCs - volatile organic compounds
yr - year
Dashed line indicates a quarter change

TABLE 4
FLUID RECOVERY - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

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)	
3/20/20 11:00	14,459	136,864	5,509	164,164		504:15:00	30,255	0.18	262	
4/2/20 10:30	14,770	138,201	1,337	165,501		311:30:00	18,690	0.07	103	
4/17/20 10:45	15,129	148,407	10,206	175,707	6,720	360:15:00	21,615	0.47	680	2 loads removed
4/30/20 10:00	15,386	150,236	1,829	177,536		311:15:00	18,675	0.10	141	
5/19/20 11:00	15,834	155,420	5,184	182,720		457:00:00	27,420	0.19	272	
6/4/20 11:30	16,208	156,788	1,368	184,088		384:30:00	23,070	0.06	85	
6/26/20 10:35	16,654	168,268	11,480	195,568	6,720	527:05:00	31,625	0.36	523	2 loads removed

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

Total Quantity of Groundwater Removed:	195,568	Gal
	4,656	bbl

TABLE 5
MPE SYSTEM OPERATIONS - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well ID		Unit	4/2/2020	4/17/2020	4/30/2020	5/19/2020	6/5/2020	6/26/2020	6/26/2020
Active Zone			1	2	3	4	1	2	4
MW-06	WH Vac (Online)	inHg	15.5				17.5		
Zone 1	WH Vac (Offline)	inH2O							
	Mani Vac	inHg	16.0				16.0		
	PID	ppm	16.8				12.7		
	Flow	scfm	32.0				18.0		
SB-04	WH Vac (Online)	inHg	15.5				17.5		
Zone 1	WH Vac (Offline)	inH2O							
	Mani Vac	inHg	16.0				16.0		
	PID	ppm	64.8				98.5		
	Flow	scfm	52.0				58.0		
SB-12	WH Vac (Online)	inHg	13.0				6.0		
Zone 1	WH Vac (Offline)	inH2O							
	Mani Vac	inHg	15.5				15.5		
	PID	ppm	28.7				21.7		
	Flow	scfm	60.0				68.0		
SB-13	WH Vac (Online)	inHg	16.0				12.0		
Zone 1	WH Vac (Offline)	inH2O							
	Mani Vac	inHg	16.0				15.5		
	PID	ppm	35.5				20.5		
	Flow	scfm	42.0				56.0		

TABLE 5
MPE SYSTEM OPERATIONS - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well ID		Unit	4/2/2020	4/17/2020	4/30/2020	5/19/2020	6/5/2020	6/26/2020	6/26/2020
Active Zone			1	2	3	4	1	2	4
MW-12	WH Vac (Online)	inHg		11.0				12.5	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		11.5				10.0	
	PID	ppm		52.6				117.0	
	Flow	scfm		36.0				32.0	
SB-01	WH Vac (Online)	inHg		12.5				13.5	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		12.0				13.5	
	PID	ppm		6.7				85.4	
	Flow	scfm		44.0				46.0	
SB-10	WH Vac (Online)	inHg		10.0				15.0	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		12.0				13.5	
	PID	ppm		0.5				32	
	Flow	scfm		42.0				52.0	
SB-11	WH Vac (Online)	inHg		13.0				15.0	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		12.0				13.0	
	PID	ppm		4.5				26.7	
	Flow	scfm		48.0				28.0	
SB-18	WH Vac (Online)	inHg		NA				5.0	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		13.0				10.0	
	PID	ppm		NA				101.4	
	Flow	scfm		34.0				36.0	
SB-19	WH Vac (Online)	inHg		13.0				15.0	
Zone 2	WH Vac (Offline)	inH2O							
	Mani Vac	inHg		12.0				13.0	
	PID	ppm		2.3				123.0	
	Flow	scfm		58.0				54.0	

TABLE 5
MPE SYSTEM OPERATIONS - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well ID		Unit	4/2/2020	4/17/2020	4/30/2020	5/19/2020	6/5/2020	6/26/2020	6/26/2020
Active Zone			1	2	3	4	1	2	4
MW-3R	WH Vac (Online)	inHg			13.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			13.0				
	PID	ppm			0.4				
	Flow	scfm			35.0				
MW-10	WH Vac (Online)	inHg			13.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			13.0				
	PID	ppm			8.1				
	Flow	scfm			20.0				
SB-03	WH Vac (Online)	inHg			13.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			13.0				
	PID	ppm			0.1				
	Flow	scfm			40.0				
SB-06	WH Vac (Online)	inHg			13.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			13.0				
	PID	ppm			0.1				
	Flow	scfm			40.0				
SB-15	WH Vac (Online)	inHg			15.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			13.0				
	PID	ppm			0.2				
	Flow	scfm			60.0				
SB-16	WH Vac (Online)	inHg			15.0				
Zone 3	WH Vac (Offline)	inH2O							
	Mani Vac	inHg			14.0				
	PID	ppm			0.2				
	Flow	scfm			70.0				

TABLE 5
MPE SYSTEM OPERATIONS - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well ID		Unit	4/2/2020	4/17/2020	4/30/2020	5/19/2020	6/5/2020	6/26/2020	6/26/2020
Active Zone			1	2	3	4	1	2	4
MW-3R	WH Vac (Online)	inHg				12.0			11.0
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.5			12.5
	PID	ppm				64.0			90.4
	Flow	scfm				52.0			60.0
SB-05	WH Vac (Online)	inHg				10.0			11.5
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.0			13.0
	PID	ppm				9.0			20.3
	Flow	scfm				40.0			42.0
SB-07	WH Vac (Online)	inHg				11.0			11.0
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.0			12.0
	PID	ppm				23.0			29.1
	Flow	scfm				42.0			54.0
SB-08	WH Vac (Online)	inHg				15.0			11.5
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.0			12.0
	PID	ppm				203.0			100.0
	Flow	scfm				58.0			54.0
SB-09	WH Vac (Online)	inHg				11.0			10.0
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.5			12.0
	PID	ppm				143.0			86.3
	Flow	scfm				58.0			58.0
SB-17	WH Vac (Online)	inHg				12.0			12.0
Zone 4	WH Vac (Offline)	inH2O							
	Mani Vac	inHg				11.0			12.0
	PID	ppm				5.0			17.2
	Flow	scfm				46.0			0.0

TABLE 5
MPE SYSTEM OPERATIONS - SECOND QUARTER 2020

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well ID		Unit	4/2/2020	4/17/2020	4/30/2020	5/19/2020	6/5/2020	6/26/2020	6/26/2020
Active Zone			1	2	3	4	1	2	4
Well Field									
	Total Flow in Active Zone	scfm	186.0	262.0	265.0	296.0	200.0	248.0	268.0

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.

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB01	5/20/2017	6,501.96	34.58	NP	NP	6,467.38
	6/14/2017		34.53	NP	NP	6,467.43
	6/22/2018		31.12	31.09	0.03	6,470.87
	9/17/2018		31.58	31.34	0.24	6,470.58
	12/20/2018		31.61	31.54	0.07	6,470.41
	4/8/2019		22.76	22.31	0.45	6,479.56
	6/13/2019		31.32	30.95	0.37	6,470.94
	9/19/2019		30.85	30.73	0.12	6,471.21
	12/5/2019		31.32	31.11	0.21	6,470.81
	3/5/2020		31.42	31.09	0.33	6,470.81
	6/4/2020		31.48	31.3	0.18	6,470.63
SB03	5/20/2017	6,495.01	24.90	NP	NP	6,470.11
	6/15/2017		24.86	NP	NP	6,470.15
	6/21/2018		23.21	22.88	0.33	6,472.06
	9/17/2018		23.34	23.19	0.15	6,471.79
	12/20/2018		23.28	NP	NP	6,471.73
	4/8/2019		23.28	23.17	0.11	6,471.81
	6/13/2019		22.42	NP	NP	6,472.59
	9/19/2019		22.49	NP	NP	6,472.52
	12/5/2019		22.15	NP	NP	6,472.86
	3/5/2020		22.82	NP	NP	6,472.19
	6/4/2020		22.81	NP	NP	6,472.20
SB04	5/20/2017	6,499.61	29.82	29.17	0.65	6,470.31
	6/15/2017		29.44	29.20	0.24	6,470.36
	6/21/2018		27.62	27.58	0.04	6,472.02
	9/17/2018		27.83	NP	NP	6,471.78
	12/20/2018		27.75	NP	NP	6,471.86
	4/8/2019		27.81	NP	NP	6,471.80
	6/13/2019		26.98	NP	NP	6,472.63
	9/19/2019		26.75	NP	NP	6,472.86

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB04	12/5/2019	6,499.61	26.62	NP	NP	6,472.99
	3/5/2020		27.31	NP	NP	6,472.30
	6/4/2020		27.23	NP	NP	6,472.38
SB05	5/20/2017	6,498.76	28.27	NP	NP	6,470.49
	6/15/2017		28.24	NP	NP	6,470.52
	6/21/2018		25.47	NP	NP	6,473.29
	9/17/2018		25.65	NP	NP	6,473.11
	12/20/2018		25.05	NP	NP	6,473.71
	4/8/2019		25.52	25.46	0.06	6,473.29
	6/13/2019		24.10	NP	NP	6,474.66
	9/19/2019		24.38	NP	NP	6,474.38
	12/5/2019		24.53	NP	NP	6,474.23
	3/5/2020		25.64	NP	NP	6,473.12
	6/4/2020		24.68	NP	NP	6,474.08
SB06	5/20/2017	6,496.12	27.43	NP	NP	6,468.69
	6/16/2017		27.52	NP	NP	6,468.60
	6/22/2018		24.64	NP	NP	6,471.48
	9/17/2018		25.29	25.13	0.16	6,470.95
	12/20/2018		25.16	NP	NP	6,470.96
	4/8/2019		24.81	NP	NP	6,471.31
	6/13/2019		23.81	NP	NP	6,472.31
	9/19/2019		23.98	NP	NP	6,472.14
	12/5/2019		24.26	NP	NP	6,471.86
	3/5/2020		25.08	NP	NP	6,471.04
	6/4/2020		24.36	NP	NP	6,471.76
SB07	5/20/2017	6,500.29	32.15	NP	NP	6,468.14
	6/16/2017		32.20	NP	NP	6,468.09
	6/22/2018		29.44	NP	NP	6,470.85
	9/17/2018		30.73	NP	NP	6,469.56
	12/20/2018		29.62	29.60	0.02	6,470.69

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB07	4/8/2019	6,500.29	32.46	32.24	0.22	6,468.01
	6/13/2019		29.27	NP	NP	6,471.02
	9/19/2019		29.01	NP	NP	6,471.28
	12/5/2019		29.27	NP	NP	6,471.02
	3/5/2020		29.38	NP	NP	6,470.91
	6/4/2020		29.68	NP	NP	6,470.61
SB08	5/20/2017	6,502.25	34.41	NP	NP	6,467.84
	6/16/2017		34.38	NP	NP	6,467.87
	6/22/2018		30.78	NP	NP	6,471.47
	9/17/2018		31.20	NP	NP	6,471.05
	12/20/2018		29.98	NP	NP	6,472.27
	4/8/2019		31.26	31.17	0.09	6,471.06
	6/13/2019		30.53	30.49	0.04	6,471.75
	9/19/2019		30.51	30.04	0.47	6,472.12
	12/5/2019		30.73	30.04	0.69	6,472.07
	3/5/2020		30.79	NP	NP	6,471.46
	6/4/2020		30.30	NP	NP	6,471.95
SB09	5/20/2017	6,504.18	36.31	NP	NP	6,467.87
	6/16/2017		36.29	NP	NP	6,467.89
	6/22/2018		33.00	32.83	0.17	6,471.31
	9/17/2018		33.15	33.14	0.01	6,471.04
	12/20/2018		33.09	33.08	0.01	6,471.10
	4/8/2019		32.46	32.24	0.22	6,471.89
	6/13/2019		32.79	32.71	0.08	6,471.45
	9/19/2019		32.66	32.54	0.12	6,471.61
	12/5/2019		32.91	32.83	0.08	6,471.33
	3/5/2020		32.90	32.88	0.02	6,471.29
	6/4/2020		32.57	NP	NP	6,471.61
SB10	5/20/2017	6,506.04	39.27	NP	NP	6,466.77
	6/16/2017		39.11	NP	NP	6,466.93

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB10	6/21/2018	6,506.04	DRY	NP	NP	DRY
	9/17/2018		DRY	NP	NP	DRY
	12/20/2018		DRY	NP	NP	DRY
	4/8/2019		DRY	NP	NP	DRY
	6/13/2019		DRY	NP	NP	DRY
	9/19/2019		DRY	NP	NP	DRY
	12/5/2019		DRY	NP	NP	DRY
	3/5/2020		DRY	NP	NP	DRY
	6/4/2020		DRY	NP	NP	DRY
SB11	5/20/2017	6,505.61	36.15	NP	NP	6,469.46
	6/16/2017		36.09	NP	NP	6,469.52
	6/22/2018		32.17	NP	NP	6,473.44
	9/17/2018		32.49	NP	NP	6,473.12
	12/20/2018		32.48	NP	NP	6,473.13
	4/8/2019		32.48	NP	NP	6,473.13
	6/13/2019		32.11	NP	NP	6,473.50
	9/19/2019		31.73	NP	NP	6,473.88
	12/5/2019		31.82	NP	NP	6,473.79
	3/5/2020		32.75	NP	NP	6,472.86
	6/4/2020		31.36	NP	NP	6,474.25
SB12	5/20/2017	6,508.42	38.84	38.62	0.22	6,469.76
	6/16/2017		39.44	38.42	1.02	6,469.80
	6/21/2018		35.19	34.96	0.23	6,473.41
	9/17/2018		35.55	35.50	0.05	6,472.91
	12/20/2018		35.45	35.32	0.13	6,473.07
	4/8/2019		DRY	NP	NP	DRY
	6/13/2019		34.91	NP	NP	6,473.51
	9/19/2019		DRY	NP	NP	DRY
	12/5/2019		34.86	NP	NP	6,473.56
	3/5/2020		35.02	NP	NP	6,473.40

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB12	6/4/2020	6,508.42	34.92	NP	NP	6,473.50
SB13	5/20/2017	6,504.89	35.26	NP	NP	6,469.63
	6/16/2017		35.21	NP	NP	6,469.68
	6/22/2018		34.57	NP	NP	6,470.32
	9/17/2018		34.89	NP	NP	6,470.00
	12/20/2018		34.89	NP	NP	6,470.00
	4/8/2019		34.72	NP	NP	6,470.17
	6/13/2019		34.48	NP	NP	6,470.41
	9/19/2019		34.15	NP	NP	6,470.74
	12/5/2019		34.11	NP	NP	6,470.78
	3/5/2020		34.40	NP	NP	6,470.49
	6/4/2020		34.70	NP	NP	6,470.19
SB15	5/20/2017	6,494.31	24.11	NP	NP	6,470.20
	6/13/2017		24.08	NP	NP	6,470.23
	6/21/2018		21.27	NP	NP	6,473.04
	9/17/2018		DRY	NP	NP	DRY
	12/20/2018		21.75	NP	NP	6,472.56
	4/8/2019		21.52	NP	NP	6,472.79
	6/13/2019		20.57	NP	NP	6,473.74
	9/19/2019		20.78	NP	NP	6,473.53
	12/5/2019		20.67	NP	NP	6,473.64
	3/5/2020		21.26	NP	NP	6,473.05
	6/4/2020		21.28	NP	NP	6,473.03
SB16	5/20/2017	6,492.07	22.54	NP	NP	6,469.53
	6/13/2017		22.61	NP	NP	6,469.46
	6/22/2018		19.59	NP	NP	6,472.48
	9/17/2018		21.19	NP	NP	6,470.88
	12/20/2018		20.69	NP	NP	6,471.38
	4/8/2019		20.34	NP	NP	6,471.73
	6/13/2019		18.86	NP	NP	6,473.21

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB16	9/19/2019	6,492.07	19.38	NP	NP	6,472.69
	12/5/2019		19.24	NP	NP	6,472.83
	3/5/2020		19.97	NP	NP	6,472.10
	6/4/2020		19.95	NP	NP	6,472.12
SB17	5/20/2017	6,492.57	24.91	NP	NP	6,467.66
	6/13/2017		24.90	NP	NP	6,467.67
	6/21/2018		DRY	NP	NP	DRY
	9/17/2018		DRY	NP	NP	DRY
	12/20/2018		DRY	NP	NP	DRY
	4/8/2019		DRY	NP	NP	DRY
	6/13/2019		DRY	NP	NP	DRY
	9/19/2019		DRY	NP	NP	DRY
	12/5/2019		DRY	NP	NP	DRY
	3/5/2020		DRY	NP	NP	DRY
	6/4/2020		DRY	NP	NP	DRY
SB18	5/20/2017	6,506.38	40.92	40.89	0.03	6,465.48
	6/15/2017		41.24	40.65	0.59	6,465.61
	6/22/2018		35.25	35.16	0.09	6,471.20
	9/17/2018		36.58	36.56	0.02	6,469.81
	12/20/2018		36.91	36.50	0.41	6,469.80
	4/8/2019		37.01	36.74	0.27	6,469.58
	6/13/2019		37.00	36.52	0.48	6,469.76
	9/19/2019		36.52	36.50	0.02	6,469.87
	12/5/2019		36.33	36.28	0.05	6,470.09
	3/5/2020		36.35	36.31	0.04	6,470.06
	6/4/2020		36.43	NP	NP	6,469.95
SB19	5/20/2017	6,503.99	39.54	NP	NP	6,464.45
	6/14/2017		39.44	NP	NP	6,464.55
	6/22/2018		34.88	NP	NP	6,469.11
	9/17/2018		36.10	NP	NP	6,467.89

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
SB19	12/20/2018	6,503.99	35.29	NP	NP	6,468.70
	4/8/2019		35.04	NP	NP	6,468.95
	6/13/2019		35.23	NP	NP	6,468.76
	9/19/2019		36.53	NP	NP	6,467.46
	12/5/2019		34.94	NP	NP	6,469.05
	3/5/2020		35.26	NP	NP	6,468.73
	6/4/2020		35.29	NP	NP	6,468.70
MW-3R	5/20/2017	6,502.86	33.86	NP	NP	6,469.00
	6/16/2017		33.88	NP	NP	6,468.98
	6/21/2018		30.76	30.53	0.23	6,472.29
	9/17/2018		31.21	30.92	0.29	6,471.89
	12/20/2018		31.18	30.98	0.20	6,471.84
	4/8/2019		30.97	30.88	0.09	6,471.97
	6/13/2019		32.32	32.27	0.05	6,470.58
	9/19/2019		31.07	30.31	0.76	6,472.40
	12/5/2019		30.45	NP	NP	6,472.41
	3/5/2020		30.66	NP	NP	6,472.20
	6/4/2020		29.55	NP	NP	6,473.31
MW-4*	6/15/2017	--	32.67	NP	NP	--
	6/13/2019		32.76	NP	NP	--
	12/5/2019		33.21	NP	NP	--
	3/5/2020		33.07	NP	NP	--
	6/4/2020		33.34	NP	NP	--
MW-6*	6/15/2017	--	32.95	NP	NP	--
	6/22/2018		32.58	NP	NP	--
	9/17/2018		33.00	32.88	0.12	--
	12/20/2018		33.00	32.98	0.02	--
	4/8/2019		32.96	NP	NP	--
	6/13/2019		32.43	NP	NP	--
	9/19/2019		32.24	NP	NP	--

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-6*	12/5/2019	--	31.79	NP	NP	--
	3/5/2020		33.36	NP	NP	--
	6/4/2020		32.65	NP	NP	--
MW-8*	6/15/2017	--	34.78	NP	NP	--
	6/22/2018		35.51	NP	NP	--
	9/17/2018		35.78	NP	NP	--
	6/13/2019		35.36	NP	NP	--
	9/19/2019		34.96	NP	NP	--
	12/5/2019		34.79	NP	NP	--
	3/5/2020		35.16	NP	NP	--
	6/4/2020		35.55	NP	NP	--
MW-9*	6/15/2017	--	35.71	NP	NP	--
	6/13/2019		42.57	NP	NP	--
	12/5/2019		42.98	NP	NP	--
	3/5/2020		42.86	NP	NP	--
	6/4/2020		44.14	NP	NP	--
MW-10*	6/13/2017	--	24.45	NP	NP	--
	6/21/2018		25.62	NP	NP	--
	9/17/2019		22.90	NP	NP	--
	12/20/2018		22.13	NP	NP	--
	4/8/2019		22.79	NP	NP	--
	6/13/2019		22.00	NP	NP	--
	9/19/2019		22.06	NP	NP	--
	12/5/2019		22.30	NP	NP	--
	3/5/2020		22.53	NP	NP	--
	6/4/2020		23.58	NP	NP	--
MW-11	5/20/2017	6,492.85	24.66	NP	NP	6,468.19
	6/13/2017		24.72	NP	NP	6,468.13
	6/21/2018		26.25	NP	NP	6,466.60
	9/17/2018		26.71	NP	NP	6,466.14

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-11	12/20/2018	6,492.85	26.83	NP	NP	6,466.02
	4/8/2019		26.56	NP	NP	6,466.29
	6/13/2019		25.54	NP	NP	6,467.31
	9/19/2019		25.93	NP	NP	6,466.92
	12/5/2019		25.89	NP	NP	6,466.96
	3/5/2020		26.18	NP	NP	6,466.67
	6/4/2020		26.81	NP	NP	6,466.04
MW-12	5/20/2017	6,503.57	37.71	NP	NP	6,465.86
	6/14/2017		37.57	NP	NP	6,466.00
	6/22/2018		33.49	33.30	0.19	6,470.23
	9/17/2018		33.99	33.72	0.27	6,469.80
	12/20/2018		33.89	33.09	0.80	6,470.32
	4/8/2019		34.16	33.85	0.31	6,469.66
	6/13/2019		33.75	33.59	0.16	6,469.95
	9/19/2019		33.30	33.26	0.04	6,470.30
	12/5/2019		33.68	33.47	0.21	6,470.06
	3/5/2020		33.68	33.49	0.19	6,470.04
	6/4/2020		33.56	33.48	0.08	6,470.08
MW-13	5/20/2017	6,490.03	22.17	NP	NP	6,467.86
	6/13/2017		22.29	NP	NP	6,467.74
	6/21/2018		23.90	NP	NP	6,466.13
	9/17/2018		24.21	NP	NP	6,465.82
	12/20/2018		24.58	NP	NP	6,465.45
	4/8/2019		23.87	NP	NP	6,466.16
	6/13/2019		23.14	NP	NP	6,466.89
	9/19/2019		23.25	NP	NP	6,466.78
	12/5/2019		23.48	NP	NP	6,466.55
	3/5/2020		23.89	NP	NP	6,466.14
	6/4/2020		24.58	NP	NP	6,465.45
MW-14	5/20/2017	6,476.22	12.90	NP	NP	6,463.32

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-14	6/14/2017	6,476.22	13.24	NP	NP	6,462.98
	6/21/2018		14.51	NP	NP	6,461.71
	9/17/2018		14.84	NP	NP	6,461.38
	12/20/2018		15.08	NP	NP	6,461.14
	9/19/2019		14.38	NP	NP	6,461.84
	12/5/2019		14.56	NP	NP	6,461.66
	3/5/2020		14.36	NP	NP	6,461.86
	6/4/2020		14.52	NP	NP	6,461.70
MW-15	5/20/2017	6,478.37	14.58	NP	NP	6,463.79
	6/14/2017		14.59	NP	NP	6,463.78
	6/21/2018		15.21	NP	NP	6,463.16
	9/17/2018		15.45	NP	NP	6,462.92
	12/20/2018		15.65	NP	NP	6,462.72
	4/8/2019		15.02	15.04	0.02	6,463.36
	6/13/2019		15.01	NP	NP	6,463.36
	9/19/2019		15.17	NP	NP	6,463.20
	12/5/2019		15.37	15.35	0.02	6,463.01
	3/5/2020		15.46	NP	NP	6,462.91
	6/4/2020		15.55	NP	NP	6,462.82
MW-16	5/20/2017	6,487.57	21.99	NP	NP	6,465.58
	6/14/2017		22.69	NP	NP	6,464.88
	6/22/2018		22.71	NP	NP	6,464.86
	9/17/2018		23.09	NP	NP	6,464.48
	12/20/2018		DRY	NP	NP	DRY
	4/8/2019		DRY	NP	NP	DRY
	6/13/2019		DRY	NP	NP	DRY
	9/19/2019		23.08	NP	NP	6,464.49
	12/5/2019		23.14	NP	NP	6,464.43
	3/5/2020		22.96	NP	NP	6,464.61
	6/4/2020		DRY	NP	NP	DRY

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-17	10/16/2017	6,483.30	25.23	NP	NP	6,458.07
	6/20/2018		22.58	NP	NP	6,460.72
	9/17/2018		21.54	NP	NP	6,461.76
	12/20/2018		22.78	NP	NP	6,460.52
	4/8/2019		21.97	NP	NP	6,461.33
	6/13/2019		21.61	NP	NP	6,461.69
	9/19/2019		21.43	NP	NP	6,461.87
	12/5/2019		21.51	NP	NP	6,461.79
	3/5/2020		21.70	NP	NP	6,461.60
	6/4/2020		21.69	NP	NP	6,461.61
MW-18	10/16/2017	6,485.22	23.39	NP	NP	6,461.83
	6/20/2018		23.46	NP	NP	6,461.76
	9/17/2018		23.38	NP	NP	6,461.84
	12/20/2018		23.48	NP	NP	6,461.74
	4/8/2019		23.70	NP	NP	6,461.52
	6/13/2019		23.59	NP	NP	6,461.63
	9/19/2019		23.47	NP	NP	6,461.75
	12/5/2019		23.38	NP	NP	6,461.84
	3/5/2020		23.49	NP	NP	6,461.73
	6/4/2020		23.54	NP	NP	6,461.68
MW-19	10/16/2017	6,492.35	30.06	NP	NP	6,462.29
	6/20/2018		30.00	NP	NP	6,462.35
	9/17/2018		30.05	29.96	0.09	6,462.37
	12/20/2018		30.14	30.12	0.02	6,462.22
	4/8/2019		30.31	NP	NP	6,462.04
	6/13/2019		30.26	NP	NP	6,462.09
	9/19/2019		30.08	NP	NP	6,462.27
	12/5/2019		30.37	29.56	0.81	6,462.62
	3/5/2020		30.27	30.25	0.02	6,462.09
	6/4/2020		30.20	NP	NP	6,462.15

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-20	10/16/2017	6,493.38	28.50	NP	NP	6,464.88
	6/20/2018		28.79	NP	NP	6,464.59
	9/17/2018		28.77	NP	NP	6,464.61
	12/20/2018		28.93	NP	NP	6,464.45
	4/8/2019		29.11	NP	NP	6,464.27
	6/13/2019		28.72	NP	NP	6,464.66
	9/19/2019		28.50	NP	NP	6,464.88
	12/5/2019		28.56	NP	NP	6,464.82
	3/5/2020		29.70	NP	NP	6,463.68
	6/4/2020		28.81	NP	NP	6,464.57
MW-21	10/16/2017	6,508.15	36.81	NP	NP	6,471.34
	6/22/2018		37.28	NP	NP	6,470.87
	9/17/2018		37.30	NP	NP	6,470.85
	12/20/2018		30.48	NP	NP	6,477.67
	4/8/2019		37.31	NP	NP	6,470.84
	6/13/2019		36.79	NP	NP	6,471.36
	9/19/2019		36.69	NP	NP	6,471.46
	12/5/2019		36.74	NP	NP	6,471.41
	3/5/2020		37.10	NP	NP	6,471.05
	6/4/2020		37.35	NP	NP	6,470.80
MW-22	10/16/2017	6,497.15	29.67	NP	NP	6,467.48
	6/22/2018		30.01	NP	NP	6,467.14
	9/17/2018		30.19	NP	NP	6,466.96
	12/20/2018		30.46	NP	NP	6,466.69
	4/8/2019		29.98	NP	NP	6,467.17
	6/13/2019		29.58	NP	NP	6,467.57
	9/19/2019		29.74	NP	NP	6,467.41
	12/5/2019		29.75	NP	NP	6,467.40
	3/5/2020		29.93	NP	NP	6,467.22
	6/4/2020		30.10	NP	NP	6,467.05

TABLE 6
GROUNDWATER ELEVATION SUMMARY

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-23	10/16/2017	6,505.95	36.80	NP	NP	6,469.15
	6/22/2018		37.35	NP	NP	6,468.60
	9/17/2018		37.58	NP	NP	6,468.37
	12/20/2018		37.75	NP	NP	6,468.20
	4/8/2019		37.35	NP	NP	6,468.60
	6/13/2019		37.37	NP	NP	6,468.58
	9/19/2019		36.95	NP	NP	6,469.00
	12/5/2019		36.92	NP	NP	6,469.03
	3/5/2020		37.25	NP	NP	6,468.70
	6/4/2020		37.53	NP	NP	6,468.42
MW-24	9/17/2018	6,490.71	29.19	NP	NP	6,461.52
	12/20/2018		29.28	NP	NP	6,461.43
	4/8/2019		29.44	NP	NP	6,461.27
	6/13/2019		29.44	NP	NP	6,461.27
	9/19/2019		29.33	NP	NP	6,461.38
	12/5/2019		28.78	NP	NP	6,461.93
	3/5/2020		29.32	NP	NP	6,461.39
	6/4/2020		29.36	NP	NP	6,461.35
MW-25	9/17/2018	6,507.65	34.61	NP	NP	6,473.04
	12/20/2018		34.69	NP	NP	6,472.96
	4/8/2019		34.61	NP	NP	6,473.04
	6/13/2019		34.40	NP	NP	6,473.25
	9/19/2019		34.38	NP	NP	6,473.27
	12/5/2019		34.45	NP	NP	6,473.20
	3/5/2020		34.54	NP	NP	6,473.11
	6/4/2020		34.68	NP	NP	6,472.97

Notes: AMSL - above mean sea level BTOC - below top of casing

NP - no product, no free phase hydrocarbons were observed in the well

* - monitoring well installed by BP/Blagg Engineering, not surveyed

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB01	6/14/2017	**12,000**	**1,200**	270	**2,400**	37	5.1	<5.0
	10/20/2017	**15,000**	**2,600**	470	**4,600**	56	5.1	<5.0
	6/20/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS-LNAPL						
	6/4/2020	NS-LNAPL						
SB03	6/15/2017	**3,200**	**5,000**	390	**3,800**	43	11	<5.0
	10/21/2017	NS-LNAPL						
	6/20/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	**62**	69	54	**690**	NS	NS	NS
	12/6/2019	**44**	25	42	530	NS	NS	NS
	3/6/2020	**41**	22	35	390	NS	NS	NS
	6/4/2020	**32**	8.1	69	720	NS	NS	NS
SB04	6/15/2017	NS-LNAPL						
	10/15/2017	NS-LNAPL						
	6/20/2018	NS-LNAPL						
	9/18/2018	NS						
	12/20/2018	NS						
	4/8/2019	NS						
	6/14/2019	<5.0	<5.0	19	57	NS	NS	NS
	9/19/2019	<1.0	<1.0	2.5	3.8	NS	NS	NS
	12/6/2019	1.1	<1.0	16	31	NS	NS	NS
	3/6/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB05	6/15/2017	**16,000**	**16,000**	310	**3,600**	100	21	<5.0
	10/21/2017	**15,000**	**20,000**	350	**4,100**	72	29	<5.0
	6/20/2018	NS						
	9/18/2018	NS						
	12/20/2018	NS						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/20/2019	**360**	670	77	**3,100**	NS	NS	NS
	12/6/2019	NS						
	3/6/2020	NS						
	6/4/2020	NS						
SB06	6/16/2017	**210**	230	11	110	3.6	2.5	<5.0
	10/20/2017	**810**	110	27	150	5.6	2.9	<5.0
	6/20/2018	NS						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS						
	4/8/2019	NS						
	6/14/2019	**4,400**	**1,500**	190	**2,900**	NS	NS	NS
	9/20/2019	**3,330**	**1,100**	130	**1,200**	NS	NS	NS
	12/6/2019	NS						
	3/6/2020	NS						
	6/4/2020	NS						
SB07	6/16/2017	**14,000**	**15,000**	670	**7,600**	110	12	<5.0
	10/20/2017	**11,000**	**12,000**	<500	**5,000**	60	10	<5.0
	6/20/2018	NS						
	9/18/2018	NS						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB08	6/16/2017	**15,000**	**15,000**	690	**7,000**	110	7.7	<5.0
	10/21/2017	**9,500**	**6,900**	370	**4,500**	64	6.3	<5.0
	6/20/2018	NS						
	9/18/2018	NS						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS						
	6/4/2020	NS						
SB09	6/16/2017	**11,000**	**9,700**	430	**3,900**	78	5.2	<5.0
	10/21/2017	**11,000**	**12,000**	370	**5,100**	52	8.0	<5.0
	6/20/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS-LNAPL						
	6/4/2020	NS						
SB10	6/16/2017	**11,000**	**9,000**	590	**4,300**	82	2.1	<5.0
	10/20/2017	NS-LNAPL						
	6/20/2018	NS-DRY						
	9/17/2018	NS-DRY						
	12/20/2018	NS-DRY						
	4/8/2019	NS-DRY						
	6/13/2019	NS-DRY						
	9/19/2019	NS-DRY						
	12/6/2019	NS-DRY						
	3/6/2020	NS-DRY						
	6/4/2020	NS-DRY						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB11	6/16/2017	**13,000**	**20,000**	**750**	**6,500**	120	3.9	<5.0
	10/21/2017	**5,200**	**6,100**	<500	**3,400**	38	3.9	<5.0
	6/20/2018	NS						
	9/18/2019	NS						
	12/20/2018	NS						
	4/8/2019	NS						
	6/14/2019	**1,200**	7.1	94	**760**	NS	NS	NS
	9/20/2019	**490**	8.5	30	230	NS	NS	NS
	12/6/2019	NS						
	3/6/2020	NS						
	6/4/2020	NS						
SB12	6/16/2017	NS-LNAPL						
	10/18/2017	NS-LNAPL						
	6/20/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-DRY						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-DRY						
	12/6/2019	NS						
	3/6/2020	NS						
	6/4/2020	NS						
SB13	6/16/2017	**150**	86	9.3	52	3.9	<1.0	<5.0
	10/23/2017	**220**	<5.0	6.4	12	3.8	<1.0	<5.0
	6/22/2018	**40**	9.5	2.1	83	1.2	<1.0	<5.0
	9/18/2018	**11**	2.9	<1.0	7.1	0.26	1.1	<5.0
	12/21/2018	**16**	44	8	170	1.5	1.2	<5.0
	4/8/2019	**NS-LNAPL**						
	6/14/2019	1.5	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/6/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/6/2020	1.8	<1.0	<1.0	2.9	NS	NS	NS
	6/5/2020	<1.0	<1.0	<1.0	<2.0	NS	NS	NS

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB15	6/13/2017	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	10/20/2017	3.3	3.5	<1.0	2.6	<0.050	<1.0	<5.0
	6/20/2018	NS-DRY						
	9/17/2018	NS-DRY						
	12/20/2018	NS-DRY						
	4/8/2019	NS-DRY						
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/6/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/6/2020	NS						
	6/4/2020	NS						
SB16	6/13/2017	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	10/20/2017	**20**	18	1.4	17	0.21	<1.0	<5.0
	6/22/2018	**13**	1.1	<1.0	10	0.12	<1.0	<5.0
	9/18/2018	3.3	<1.0	<1.0	<1.5	0.078	<1.0	<5.0
	12/20/2018	<1.0	<1.0	<1.0	2.2	0.064	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/6/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/6/2020	NS						
	6/4/2020	NS						
SB17	6/13/2017	**11**	3.5	<1.0	<1.5	0.16	<1.0	<5.0
	10/20/2017	NS-DRY						
	6/20/2018	NS-DRY						
	9/18/2018	NS-DRY						
	12/20/2018	NS-DRY						
	4/8/2019	NS-DRY						
	6/13/2019	NS-DRY						
	12/6/2019	NS-DRY						
	3/6/2020	NS-DRY						
	6/4/2020	NS-DRY						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
SB18	6/15/2017	NS-LNAPL						
	10/18/2017	NS-LNAPL						
	6/20/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS-LNAPL						
	6/5/2020	**7,400**	**9,100**	**760**	**9,800**	NS	NS	NS
SB19	6/14/2017	**10,000**	**7,400**	330	**3,300**	50	5.0	<5.0
	10/20/2017	**10,000**	**6,100**	400	**3,500**	46	4.0	<5.0
	6/22/2018	**9,800**	**7,500**	380	**5,000**	68	5.6	<5.0
	9/19/2018	**6,100**	**4,700**	150	**2,900**	36	7.0	<5.0
	12/20/2018	**7,200**	**1,300**	270	**3,800**	33	6.9	<5.0
	4/8/2019	**5,600**	**4,000**	300	**4,700**	NS	NS	NS
	6/14/2019	**5,200**	**2,100**	250	**3,600**	NS	NS	NS
	9/20/2019	**5,600**	**1,800**	190	**3,100**	NS	NS	NS
	12/5/2019	**4,200**	**1,700**	120	**2,500**	NS	NS	NS
	3/6/2020	**3,900**	**2,800**	100	**3,000**	NS	NS	NS
	6/4/2020	NS						
MW-1	Destroyed during excavation/remediation activities							
MW-2	Destroyed during excavation/remediation activities							
MW-3R	6/16/2017	**15,000**	**14,000**	530	**5,500**	99	10	<5.0
	10/21/2017	**11,000**	**11,000**	460	**5,000**	84	5.8	<5.0
	6/22/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/5/2019	NS-LNAPL						
	3/6/2020	NS-LNAPL						
	6/4/2020	NS-LNAPL						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-4	6/15/2017	6.6	9.5	<1.0	8.7	0.27	<1.0	<5.0
	10/23/2017	1.8	2.3	<1.0	<1.5	0.059	<1.0	<5.0
	6/22/2018	1.2	1.6	<1.0	3.0	0.073	<1.0	<5.0
	9/17/2018	Well Locked						
	12/20/2019	Well Locked						
	4/8/2019	Well Locked						
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	Well Locked						
	12/6/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/6/2020	<1.0	<1.0	2.8	<2.0	NS	NS	NS
	6/4/2020	NS						
MW-5	Destroyed during excavation/remediation activities							
MW-6	6/15/2017	9.5	17	2.3	18			
	10/23/2017	1.9	2.0	<1.0	<1.5			
	6/22/2018	**89**	15	150	**1,600**	12	4.3	<5.0
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	<10	<10	15	**830**	NS	NS	NS
	6/13/2019	**13**	7.5	<5.0	**1,100**	NS	NS	NS
	9/19/2019	<5.0	<5.0	<5.0	570	NS	NS	NS
	12/6/2019	5.8	<5.0	<5.0	320	NS	NS	NS
	3/6/2020	<1.0	<1.0	1.2	110	NS	NS	NS
	6/5/2020	<1.0	2.7	66	170	NS	NS	NS
MW-7	Destroyed during excavation/remediation activities							
MW-8	6/15/2017	5.1	4.3	2.6	6.4	0.30	<1.0	<5.0
	10/23/2017	2.6	1.1	1.1	<1.5	0.19	<1.0	<5.0
	6/20/2018	Well Locked						
	9/18/2018	Well Locked						
	12/20/2018	Well Locked						
	4/8/2019	Well Locked						
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-9	6/15/2017	**28**	46	4.3	42	0.47	<1.0	<5.0
	10/23/2017	1.4	1.7	<1.0	<1.5	<0.050	<1.0	<5.0
	6/20/2018	Well Locked						
	9/18/2018	Well Locked						
	12/20/2018	Well Locked						
	4/8/2019	Well Locked						
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	Well Locked						
	12/6/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/6/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/4/2020	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
MW-10	6/14/2017	**13,000**	**8,800**	510	**2,900**	66	8.1	<5.0
	10/23/2017	NS-LNAPL						
	6/21/2018	**8,600**	**2,400**	260	**2,000**	40	19	<5.0
	9/18/2018	**4,000**	**2,300**	140	**3,000**	31	11	<5.0
	12/20/2018	**960**	180	24	170	3.7	31	13
	4/8/2019	**520**	**<5.0**	14	83	NS	NS	NS
	6/14/2019	**420**	<10	19	130	NS	NS	NS
	9/20/2019	**990**	<10	92	65	NS	NS	NS
	12/6/2019	**500**	<10	81	**780**	NS	NS	NS
	3/6/2020	**210**	<10	<10	220	NS	NS	NS
	6/4/2020	**370**	46	86	**880**	NS	NS	NS
MW-11	6/13/2017	**36**	7.6	2.7	11	0.67	<1.0	<5.0
	10/20/2017	**28**	6.8	2.4	9.5	0.94	<1.0	<5.0
	6/21/2018	4.2	6.4	2.2	21	0.44	<1.0	<5.0
	9/18/2018	<1.0	<1.0	<1.0	<1.5	0.079	1.4	<5.0
	12/20/2018	1.2	10	11	34	0.24	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	5.4	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-12	6/14/2017	**14,000**	**11,000**	460	**5,400**	75	4.6	<5.0
	10/20/2017	**11,000**	**9,900**	310	**4,400**	59	5.9	<5.0
	6/22/2018	NS-LNAPL						
	9/18/2018	NS-LNAPL						
	12/20/2018	NS-LNAPL						
	4/8/2019	NS-LNAPL						
	6/13/2019	NS-LNAPL						
	9/19/2019	NS-LNAPL						
	12/6/2019	NS-LNAPL						
	3/6/2020	NS-LNAPL						
	6/4/2020	NS-LNAPL						
MW-13	6/13/2017	**76**	8.0	33	27	1.6	<1.0	<5.0
	10/20/2017	**1,300**	**1,700**	150	**1,200**	10	2.8	<5.0
	6/21/2018	**1,300**	**810**	100	**850**	12	5.1	<5.0
	9/18/2018	**2,100**	120	<20	580	9.2	6.6	<5.0
	12/20/2018	**1,900**	140	150	580	7.8	5.4	<5.0
	4/8/2019	**2,000**	<20	200	480	NS	NS	NS
	6/14/2019	**740**	21	96	200	NS	NS	NS
	9/20/2019	**500**	110	55	180	NS	NS	NS
	12/5/2019	**1,400**	34	200	**730**	NS	NS	NS
	3/5/2020	**1,200**	<20	210	**700**	NS	NS	NS
	6/4/2020	**1,100**	<20	160	460	NS	NS	NS
MW-14	6/14/2017	**11**	8.6	<1.0	2.9	0.088	<1.0	<5.0
	10/19/2017	**12**	<1.0	<1.0	<1.5	0.13	1.8	<5.0
	6/21/2018	**11**	<1.0	2.2	<1.5	0.29	1.9	<5.0
	9/18/2018	**95**	<1.0	5.5	<1.5	0.47	1.4	<5.0
	12/21/2018	<1.0	<1.0	1.4	<2.0	0.11	1.3	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	1.4	<1.0	4.5	<2.0	NS	NS	NS
	12/5/2019	1.5	<1.0	2.4	<2.0	NS	NS	NS
	3/5/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-15	6/14/2017	**11,000**	**11,000**	**840**	**5,500**	100	2.9	<5.0
	10/19/2017	**13,000**	**15,000**	**810**	**8,900**	100	5.2	<5.0
	6/21/2018	**12,000**	**14,000**	**940**	**9,200**	110	5.7	<5.0
	9/18/2018	**9,400**	**12,000**	660	**7,900**	93	4.4	<5.0
	12/21/2018	**8,000**	**10,000**	**780**	**8,400**	81	5.0	<5.0
	4/8/2019	NS-LNAPL						
	6/13/2019	**8,100**	**14,000**	**960**	**11,000**	NS	NS	NS
	9/19/2019	**9,700**	**14,000**	**840**	**10,000**	NS	NS	NS
	12/5/2019	NS-LNAPL						
	3/5/2020	**8,200**	**9,900**	**750**	**8,700**	NS	NS	NS
	6/4/2020	**8,600**	**10,000**	**800**	**9,600**	NS	NS	NS
MW-16	6/14/2017	NS-DRY						
	10/20/2017	NS-DRY						
	6/20/2018	NS-DRY						
	9/17/2018	NS-DRY						
	12/20/2018	NS-DRY						
	4/8/2019	NS-DRY						
	6/13/2019	NS-DRY						
	9/19/2019	Insufficent amount of water to sample						
	12/5/2019	Insufficent amount of water to sample						
	3/5/2020	Insufficent amount of water to sample						
	6/4/2020	NS-DRY						
MW-17	10/19/2017	<1.0	1.4	<1.0	2.2	<0.050	3.1	<5.0
	6/20/2018	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	9/17/2018	<1.0	<1.0	<1.0	<1.5	0.063	<1.0	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	NS						
	6/4/2020	NS						

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-18	10/19/2017	1.1	1.5	<1.0	1.7	0.11	2.8	<5.0
	6/20/2018	<1.0	<1.0	<1.0	<1.5	0.26	3.0	<5.0
	9/17/2018	<1.0	<1.0	<1.0	<1.5	0.19	1.4	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	0.094	1.1	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	1.2	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/26/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
MW-19	10/18/2017	**500**	<1.0	<1.0	1.7	1.1	<1.0	<5.0
	6/20/2018	**1,400**	3.0	1.3	70	2.9	<1.0	<5.0
	9/19/2018	**1,100**	**1,600**	590	**6,100**	7.0	8.5	<5.0
	12/20/2018	NS-LNAPL						
	4/8/2019	**1,400**	**950**	490	**5,100**	NS	NS	NS
	6/13/2019	**740**	520	240	**3,400**	NS	NS	NS
	9/19/2019	NS-LNAPL						
	12/5/2019	NS-LNAPL						
	3/5/2020	NS-LNAPL						
	6/4/2020	NS-LNAPL						
MW-20	10/18/2017	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	6/20/2018	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	9/17/2018	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/4/2020	<1.0	<1.0	<1.0	<2.0	NS	NS	NS

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-21	10/18/2017	**940**	340	180	**2,000**	7.8	2.5	<5.0
	6/22/2018	**660**	120	89	540	5.2	2.7	<5.0
	9/19/2018	**320**	28	120	110	3.0	2.7	<5.0
	12/21/2018	**75**	<1.0	52	14	0.6	1.3	<5.0
	4/8/2019	5.2	<1.0	2.7	5.3	NS	NS	NS
	6/14/2019	2.6	<1.0	5.5	2.6	NS	NS	NS
	9/19/2019	8.7	<1.0	7.5	<2.0	NS	NS	NS
	12/5/2019	4.2	<1.0	2.6	<2.0	NS	NS	NS
	3/5/2020	7.4	<1.0	11	10	NS	NS	NS
	6/4/2020	9.6	<1.0	23	21	NS	NS	NS
MW-22	10/18/2017	6.1	5.5	<1.0	6.4	0.14	<1.0	<5.0
	6/22/2018	<1.0	<1.0	<1.0	<1.5	0.057	<1.0	<5.0
	9/17/2018	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/26/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
MW-23	10/18/2017	<5.0	<5.0	<5.0	<7.5	<0.25	1.6	<5.0
	6/22/2018	<1.0	<1.0	<1.0	<1.5	0.093	<1.0	<5.0
	9/17/2018	**44**	<1.0	<1.0	<1.5	0.17	1.0	<5.0
	12/20/2018	**65**	<1.0	<1.0	<2.0	0.13	<1.0	<5.0
	4/8/2019	**30**	<1.0	<1.0	<1.5	NS	NS	NS
	6/23/2019	NS-DRY						
	9/19/2019	6.0	<1.0	<1.0	3.1	NS	NS	NS
	12/5/2019	5.3	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	2.8	<1.0	<1.0	<1.5	NS	NS	NS
	6/4/2020	1.8	<1.0	<1.0	<2.0	NS	NS	NS

TABLE 7
GROUNDWATER ANALYTICAL RESULTS

FLORANCE GCJ #16A
SAN JUAN COUNTY, NEW MEXICO
HARVEST FOUR CORNERS, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes, Total (µg/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)	TPH-MRO (mg/L)
MW-24	9/17/2018	<1.0	<1.0	<1.0	<1.5	0.14	<1.0	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	0.07	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/13/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	4.0	<2.0	NS	NS	NS
	3/5/2020	<1.0	<1.0	1.2	<1.5	NS	NS	NS
	6/26/2020	<1.0	<1.0	5.3	<1.5	NS	NS	NS
MW-25	9/19/2018	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
	12/21/2018	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
	4/8/2019	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/14/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	9/19/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	12/5/2019	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
	3/5/2020	<1.0	<1.0	<1.0	<1.5	NS	NS	NS
	6/4/2020	<1.0	<1.0	<1.0	<2.0	NS	NS	NS
NMWQCC Standard		10	750	750	620	NE	NE	NE

Notes:

DRO - diesel range organics

GRO - gasoline range organics

LNAPL - light non-aqueous phase liquid

µg/L - microgram per liter

mg/L - milligram per liter

MRO - motor oil range organics

NE - not established

NMWQCC - New Mexico Water Quality Control Comission

NS - not sampled

NS-DRY - not sampled, well was dry or insufficient water to collect sample

NS-LNAPL - not sampled due to presence of LNAPL in well

< - indicates result is below laboratory reporting limit

BOLD indicates result exceeds applicable standard

* - Standard is for Total Metals, not dissolved. Ferrous

ATTACHMENT 1: 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

April 10, 2020

Danny Burns

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

RE: Florance GC J 16A OrderNo.: 2004139

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/3/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 **2004139**
Date Reported: **4/10/2020**

CLIENT: Harvest
Client Sample ID: Zone 1 Influent
Project: Florance GC J 16A
Collection Date: 4/2/2020 1:10:00 PM
Lab ID: 2004139-001 **Matrix:** AIR
Received Date: 4/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	880	50		µg/L	10	4/6/2020 2:15:40 PM	G67892
Surr: BFB	150	53-256		%Rec	10	4/6/2020 2:15:40 PM	G67892
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.49	0.10		µg/L	1	4/6/2020 12:18:30 PM	B67892
Toluene	0.50	0.10		µg/L	1	4/6/2020 12:18:30 PM	B67892
Ethylbenzene	0.68	0.10		µg/L	1	4/6/2020 12:18:30 PM	B67892
Xylenes, Total	2.5	0.20		µg/L	1	4/6/2020 12:18:30 PM	B67892
Surr: 4-Bromofluorobenzene	109	81.6-133		%Rec	1	4/6/2020 12:18:30 PM	B67892

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

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: **2004139** RcptNo: 1

Received By: **Juan Rojas** **4/3/2020 8:00:00 AM** Juan Rojas

Completed By: **Isaiah Ortiz** **4/3/2020 10:17:22 AM** I-OK

Reviewed By: LB 4/3/20

Chain of Custody

1. Is Chain of Custody sufficiently 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: DAD 4/3/20

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	4.3	Good	Yes			
2	4.1	Good	Yes			

Chain-of-Custody Record

Client: Harvest Midstream

Mailing Address: Monica Sandoval

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Florance GCJ 16A

Project #:

Project Manager: Daniel Burns

Sampler: Eric Carroll / Travis Short

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 4.4-0.1=4.3 (°C)

4.2-0.1=4.1

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. 2004139	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)
4/2/20	1310	Air	Zone 1 Influent	1 liter Tedlar bag		-001	X	X								

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/2	1410		Christin Wall		4/2/20	1416
4/2/20	1827	Christin Wall		courier	4/3/20	8:00

Remarks: Please CC: ECarroll@Lenv.com
DBurns@Lenv.com
TShort@Lenv.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

May 06, 2020

Monica Sandoval

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

RE: Florance GC J 16A OrderNo.: 2005009

Dear Monica Sandoval:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/1/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 **2005009**
Date Reported: **5/6/2020**

CLIENT: Harvest
Client Sample ID: Zone 3 Influent
Project: Florance GC J 16A
Collection Date: 4/30/2020 2:30:00 PM
Lab ID: 2005009-001 **Matrix:** AIR
Received Date: 5/1/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	120	5.0		µg/L	1	5/4/2020 9:20:42 AM	G68625
Surr: BFB	413	53-256	S	%Rec	1	5/4/2020 9:20:42 AM	G68625
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.25		µg/L	1	5/4/2020 9:20:42 AM	B68625
Benzene	ND	0.10		µg/L	1	5/4/2020 9:20:42 AM	B68625
Toluene	0.20	0.10		µg/L	1	5/4/2020 9:20:42 AM	B68625
Ethylbenzene	ND	0.10		µg/L	1	5/4/2020 9:20:42 AM	B68625
Xylenes, Total	0.51	0.20		µg/L	1	5/4/2020 9:20:42 AM	B68625
Surr: 4-Bromofluorobenzene	103	81.6-133		%Rec	1	5/4/2020 9:20:42 AM	B68625

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2005009**

06-May-20

Client: Harvest

Project: Florance GC J 16A

Sample ID: **2005009-001ADUP**	SampType: **DUP**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Zone 3 Influent**	Batch ID: **G68625**	RunNo: **68625**
Prep Date:	Analysis Date: **5/4/2020**	SeqNo: **2374933** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	120	5.0						0.324	20	
Surr: BFB	8100		2000		407	53	256	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 range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2005009**

06-May-20

Client: Harvest

Project: Florance GC J 16A

Sample ID: **2005009-001ADUP** SampType: **DUP** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **Zone 3 Influent** Batch ID: **B68625** RunNo: **68625**

Prep Date: Analysis Date: **5/4/2020** SeqNo: **2374969** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.25						0	20	
Benzene	ND	0.10						0	20	
Toluene	0.25	0.10						23.8	20	R
Ethylbenzene	ND	0.10						0	20	
Xylenes, Total	0.57	0.20						11.3	20	
Surr: 4-Bromofluorobenzene	2.1		2.000		103	81.6	133	0	0	

Qualifiers:

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

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: **2005009** RcptNo: **1**

Received By: **Scott Anderson** **5/1/2020 8:00:00 AM**

Completed By: **Isaiah Ortiz** **5/1/2020 8:37:06 AM** I-04

Reviewed By: DAD 5/1/20

Chain of Custody

1. Is Chain of Custody sufficiently 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: SPA 5/1/20

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	1.4	Good	Yes			

Chain-of-Custody Record

Client: Harvest

Monica Sandoval

Mailing Address: 1755 Arroyo dr

Bloomfield, NM

Phone #:

email or Fax#: msandoval@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 GC J #16A

Project #:

Project Manager: D. Burns

Sampler: Travis Short

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.6 - 0.2 = 1.4°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. 2005009	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)
4/30	1430	Air	Zone 3 Influent	2 Tedlar bags		-001	X	X								

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
4/30	1600				4/30/20	1600
4/30/20	1749				5/1/20	8:00

Remarks: cc' dburns@ltenv.com
TShort@ltenv.com
ecarroll@ltenv.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 10, 2020

Monica Sandoval

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

RE: Florance GCJ 16A OrderNo.: 2006374

Dear Monica Sandoval:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/6/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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.

CLIENT: Harvest
Lab Order: 2006374
Project: Florance GCJ 16A

Lab ID: 2006374-001 **Collection Date:** 6/5/2020 10:45:00 AM
Client Sample ID: MW-6 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0	P	µg/L	1	6/9/2020 1:18:52 PM	R69516
Toluene	2.7	1.0	P	µg/L	1	6/9/2020 1:18:52 PM	R69516
Ethylbenzene	66	1.0	P	µg/L	1	6/9/2020 1:18:52 PM	R69516
Xylenes, Total	170	2.0	P	µg/L	1	6/9/2020 1:18:52 PM	R69516
Surr: 4-Bromofluorobenzene	930	80-120	SP	%Rec	1	6/9/2020 1:18:52 PM	R69516

Lab ID: 2006374-002 **Collection Date:** 6/4/2020 2:40:00 PM
Client Sample ID: MW-9 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/9/2020 1:42:26 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 1:42:26 PM	R69516
Ethylbenzene	ND	1.0		µg/L	1	6/9/2020 1:42:26 PM	R69516
Xylenes, Total	ND	2.0		µg/L	1	6/9/2020 1:42:26 PM	R69516
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	6/9/2020 1:42:26 PM	R69516

Lab ID: 2006374-003 **Collection Date:** 6/4/2020 3:20:00 PM
Client Sample ID: MW-10 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	370	5.0		µg/L	5	6/9/2020 2:05:54 PM	R69516
Toluene	46	5.0		µg/L	5	6/9/2020 2:05:54 PM	R69516
Ethylbenzene	86	5.0		µg/L	5	6/9/2020 2:05:54 PM	R69516
Xylenes, Total	880	10		µg/L	5	6/9/2020 2:05:54 PM	R69516
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	6/9/2020 2:05:54 PM	R69516

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Lab Order:** 2006374
Project: Florance GCJ 16A

Lab ID: 2006374-004 **Collection Date:** 6/4/2020 3:10:00 PM
Client Sample ID: MW-13 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	1100	20		µg/L	20	6/9/2020 2:29:22 PM	R69516
Toluene	ND	20		µg/L	20	6/9/2020 2:29:22 PM	R69516
Ethylbenzene	160	20		µg/L	20	6/9/2020 2:29:22 PM	R69516
Xylenes, Total	460	40		µg/L	20	6/9/2020 2:29:22 PM	R69516
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	20	6/9/2020 2:29:22 PM	R69516

Lab ID: 2006374-005 **Collection Date:** 6/4/2020 2:55:00 PM
Client Sample ID: MW-15 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	8600	200		µg/L	200	6/9/2020 2:52:49 PM	R69516
Toluene	10000	200		µg/L	200	6/9/2020 2:52:49 PM	R69516
Ethylbenzene	800	200		µg/L	200	6/9/2020 2:52:49 PM	R69516
Xylenes, Total	9600	400		µg/L	200	6/9/2020 2:52:49 PM	R69516
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	200	6/9/2020 2:52:49 PM	R69516

Lab ID: 2006374-006 **Collection Date:** 6/4/2020 2:30:00 PM
Client Sample ID: MW-20 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/9/2020 3:16:17 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 3:16:17 PM	R69516
Ethylbenzene	ND	1.0		µg/L	1	6/9/2020 3:16:17 PM	R69516
Xylenes, Total	ND	2.0		µg/L	1	6/9/2020 3:16:17 PM	R69516
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	6/9/2020 3:16:17 PM	R69516

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Lab Order:** 2006374
Project: Florance GCJ 16A

Lab ID: 2006374-007 **Collection Date:** 6/4/2020 2:20:00 PM
Client Sample ID: MW-21 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	9.6	1.0		µg/L	1	6/9/2020 4:50:57 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 4:50:57 PM	R69516
Ethylbenzene	23	1.0		µg/L	1	6/9/2020 4:50:57 PM	R69516
Xylenes, Total	21	2.0		µg/L	1	6/9/2020 4:50:57 PM	R69516
Surr: 4-Bromofluorobenzene	123	80-120	S	%Rec	1	6/9/2020 4:50:57 PM	R69516

Lab ID: 2006374-008 **Collection Date:** 6/4/2020 3:00:00 PM
Client Sample ID: MW-23 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	1.8	1.0		µg/L	1	6/9/2020 5:14:50 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 5:14:50 PM	R69516
Ethylbenzene	ND	1.0		µg/L	1	6/9/2020 5:14:50 PM	R69516
Xylenes, Total	ND	2.0		µg/L	1	6/9/2020 5:14:50 PM	R69516
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	6/9/2020 5:14:50 PM	R69516

Lab ID: 2006374-009 **Collection Date:** 6/4/2020 2:00:00 PM
Client Sample ID: MW-25 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/9/2020 5:38:12 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 5:38:12 PM	R69516
Ethylbenzene	ND	1.0		µg/L	1	6/9/2020 5:38:12 PM	R69516
Xylenes, Total	ND	2.0		µg/L	1	6/9/2020 5:38:12 PM	R69516
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	6/9/2020 5:38:12 PM	R69516

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

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 range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Lab Order:** 2006374
Project: Florance GCJ 16A

Lab ID: 2006374-010 **Collection Date:** 6/4/2020 3:37:00 PM
Client Sample ID: SB03 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	32	5.0		µg/L	5	6/9/2020 6:01:38 PM	R69516
Toluene	8.1	5.0		µg/L	5	6/9/2020 6:01:38 PM	R69516
Ethylbenzene	69	5.0		µg/L	5	6/9/2020 6:01:38 PM	R69516
Xylenes, Total	720	10		µg/L	5	6/9/2020 6:01:38 PM	R69516
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	5	6/9/2020 6:01:38 PM	R69516

Lab ID: 2006374-011 **Collection Date:** 6/5/2020 11:30:00 AM
Client Sample ID: SB13 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/9/2020 6:25:05 PM	R69516
Toluene	ND	1.0		µg/L	1	6/9/2020 6:25:05 PM	R69516
Ethylbenzene	ND	1.0		µg/L	1	6/9/2020 6:25:05 PM	R69516
Xylenes, Total	ND	2.0		µg/L	1	6/9/2020 6:25:05 PM	R69516
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	6/9/2020 6:25:05 PM	R69516

Lab ID: 2006374-012 **Collection Date:** 6/5/2020 2:00:00 PM
Client Sample ID: SB18 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	7400	100		µg/L	100	6/9/2020 12:31:27 PM	R69516
Toluene	9100	200		µg/L	200	6/9/2020 6:48:33 PM	R69516
Ethylbenzene	760	100		µg/L	100	6/9/2020 12:31:27 PM	R69516
Xylenes, Total	9800	200		µg/L	100	6/9/2020 12:31:27 PM	R69516
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	100	6/9/2020 12:31:27 PM	R69516

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006374**

10-Jun-20

Client: Harvest

Project: Florance GCJ 16A

Sample ID: **mb1**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R69516**	RunNo: **69516**
Prep Date:	Analysis Date: **6/9/2020**	SeqNo: **2412630** 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	20		20.00		100	80	120			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R69516**	RunNo: **69516**
Prep Date:	Analysis Date: **6/9/2020**	SeqNo: **2412631** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.3	80	120			
Toluene	20	1.0	20.00	0	98.4	80	120			
Ethylbenzene	20	1.0	20.00	0	97.9	80	120			
Xylenes, Total	59	2.0	60.00	0	98.5	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		102	80	120			

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 range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: **2006374** RcptNo: **1**

Received By: **Desiree Dominguez** **6/6/2020 9:00:00 AM** DD

Completed By: **Desiree Dominguez** **6/6/2020 11:02:41 AM** DD

Reviewed By: LB 6/8/20

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☑ No ☐ NA ☐
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (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: SPA 6.8.20

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	3.7	Good	Yes			

Chain-of-Custody Record

Client: Harvest Four Corners
Monica Sandoval

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 GCJ 161

Project #:

Project Manager: Danny Burns

Sampler: E. Carroll / D. Burns
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 3.5+0.2=3.7 (°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. 2006374	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)
6/5/20	1045	~~GW AMW-6~~	MW-6	3 VOA	HCl	-001	X									
6/4/20	1440	GW	MW-9			-002										
6/4	1520		MW-10			-003										
6/4	1510		MW-13			-004										
6/4	1455		MW-15			-005										
6/4	1430		MW-20			-006										
6/4	1420		MW-21			-007										
6/4	1500		MW-23			-008										
6/4	1400		MW-25			-009										
6/4	1537		SB03			-010										
6/5	1130		SB13			-011										
6/5	1400		SB18			-012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/5	1527	Eric Carroll	Chris Walls		6/5/2020	1527
6/5/20	1821	Christen Waller		courier	6/6/2020	9:00

Remarks:
please cc: ecarroll@ltenv.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: clients.hallenvironmental.com

July 01, 2020

Danny Burns

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

RE: Florance GC J 16A OrderNo.: 2006E43

Dear Danny Burns:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/27/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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.

CLIENT: Harvest
Client Sample ID: MW-18
Project: Florance GC J 16A
Collection Date: 6/26/2020 11:25:00 AM
Lab ID: 2006E43-001
Matrix: GROUNDWA
Received Date: 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	1.0		µg/L	1	6/28/2020 8:12:40 PM	SL69969
Toluene	ND	1.0		µg/L	1	6/28/2020 8:12:40 PM	SL69969
Ethylbenzene	ND	1.0		µg/L	1	6/28/2020 8:12:40 PM	SL69969
Xylenes, Total	ND	1.5		µg/L	1	6/28/2020 8:12:40 PM	SL69969
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/28/2020 8:12:40 PM	SL69969
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/28/2020 8:12:40 PM	SL69969
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/28/2020 8:12:40 PM	SL69969
Surr: Toluene-d8	102	70-130		%Rec	1	6/28/2020 8:12:40 PM	SL69969

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-24
Project: Florance GC J 16A
Collection Date: 6/26/2020 11:33:00 AM
Lab ID: 2006E43-002
Matrix: GROUNDWA
Received Date: 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	1.0		µg/L	1	6/28/2020 8:41:29 PM	SL69969
Toluene	ND	1.0		µg/L	1	6/28/2020 8:41:29 PM	SL69969
Ethylbenzene	5.3	1.0		µg/L	1	6/28/2020 8:41:29 PM	SL69969
Xylenes, Total	ND	1.5		µg/L	1	6/28/2020 8:41:29 PM	SL69969
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	6/28/2020 8:41:29 PM	SL69969
Surr: 4-Bromofluorobenzene	125	70-130		%Rec	1	6/28/2020 8:41:29 PM	SL69969
Surr: Dibromofluoromethane	114	70-130		%Rec	1	6/28/2020 8:41:29 PM	SL69969
Surr: Toluene-d8	104	70-130		%Rec	1	6/28/2020 8:41:29 PM	SL69969

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-22
Project: Florance GC J 16A
Collection Date: 6/26/2020 11:45:00 AM
Lab ID: 2006E43-003
Matrix: GROUNDWA
Received Date: 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **JMR**	
Benzene	ND	1.0		µg/L	1	6/28/2020 9:10:17 PM	SL69969
Toluene	ND	1.0		µg/L	1	6/28/2020 9:10:17 PM	SL69969
Ethylbenzene	ND	1.0		µg/L	1	6/28/2020 9:10:17 PM	SL69969
Xylenes, Total	ND	1.5		µg/L	1	6/28/2020 9:10:17 PM	SL69969
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	6/28/2020 9:10:17 PM	SL69969
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/28/2020 9:10:17 PM	SL69969
Surr: Dibromofluoromethane	116	70-130		%Rec	1	6/28/2020 9:10:17 PM	SL69969
Surr: Toluene-d8	106	70-130		%Rec	1	6/28/2020 9:10:17 PM	SL69969

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Zone 2 Influent
Project: Florance GC J 16A
Collection Date: 6/26/2020 12:25:00 PM
Lab ID: 2006E43-004 **Matrix:** AIR
Received Date: 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	13	5.0		µg/L	1	6/29/2020 1:03:13 PM	G69992
Surr: BFB	116	53-256		%Rec	1	6/29/2020 1:03:13 PM	G69992
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.10		µg/L	1	6/29/2020 1:03:13 PM	B69992
Toluene	ND	0.10		µg/L	1	6/29/2020 1:03:13 PM	B69992
Ethylbenzene	ND	0.10		µg/L	1	6/29/2020 1:03:13 PM	B69992
Xylenes, Total	0.28	0.20		µg/L	1	6/29/2020 1:03:13 PM	B69992
Surr: 4-Bromofluorobenzene	99.0	79.9-124		%Rec	1	6/29/2020 1:03:13 PM	B69992

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

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 range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Zone 4 Influent
Project: Florance GC J 16A
Collection Date: 6/26/2020 1:35:00 PM
Lab ID: 2006E43-005 **Matrix:** AIR
Received Date: 6/27/2020 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1800	25		µg/L	5	6/29/2020 10:41:32 AM	G69992
Surr: BFB	182	53-256		%Rec	5	6/29/2020 10:41:32 AM	G69992
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.98	0.50		µg/L	5	6/29/2020 10:41:32 AM	B69992
Toluene	2.1	0.50		µg/L	5	6/29/2020 10:41:32 AM	B69992
Ethylbenzene	ND	0.50		µg/L	5	6/29/2020 10:41:32 AM	B69992
Xylenes, Total	9.9	1.0		µg/L	5	6/29/2020 10:41:32 AM	B69992
Surr: 4-Bromofluorobenzene	104	79.9-124		%Rec	5	6/29/2020 10:41:32 AM	B69992

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	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006E43**

01-Jul-20

Client: Harvest

Project: Florance GC J 16A

Sample ID: **mb1**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **SL69969**	RunNo: **69969**
Prep Date:	Analysis Date: **6/28/2020**	SeqNo: **2430525** 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	10		10.00		103	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	11		10.00		111	70	130			
Surr: Toluene-d8	11		10.00		106	70	130			

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **SL69969**	RunNo: **69969**
Prep Date:	Analysis Date: **6/28/2020**	SeqNo: **2430526** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	111	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		93.8	70	130			
Surr: Dibromofluoromethane	9.8		10.00		97.6	70	130			
Surr: Toluene-d8	10		10.00		104	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Harvest** Work Order Number: **2006E43** RcptNo: 1

Received By: **Desiree Dominguez** **6/27/2020 10:20:00 AM** DD

Completed By: **Desiree Dominguez** **6/27/2020 11:02:02 AM** DD

Reviewed By: TOM 6/27/2020

labelled by df 6/27/2020

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° 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: _____

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	0.4	Good	Not Present			

Chain-of-Custody Record

Client: Harvest Four Corners

Monica Sandoval

Mailing Address: 1755 Arroyo Dr.

Bloomfield, NM

Phone #:

email or Fax#: msandoval@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 GC J16A

Project #:

Project Manager: Danny Burns

Sampler: E. Carroll

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.5-0.1 = 0.4 (°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. 2006E43	BTEX / MTBE / TMBs (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)
6/26	11:25	GW	MW-18	3 VOA's	HCl	-001	X									
	11:33	GW	MW-24	↓	↓	-002	X									
	11:45	GW	MW-22	↓	↓	-003	X									
	12:25	Air	Zone 2 influent	Tedlar		-004	X	X								
	13:35	Air	Zone 4 influent	Tedlar		-005	X	X								

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/26	1500	Eric Carroll	Christin Waeler		6/26/2020	1500
		Christin Waeler	JZB	CDO	6/27/20	10:20

Remarks:

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.