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September 24, 2021

Oakley Hayes Environmental Specialist Harvest Four Corners 1755 Arroyo Drive Bloomfield, NM 87413

**Subject:** 2020 Annual Groundwater Report

Florance #40

San Juan County, New Mexico

Dear Mr. Hayes

**APPROVED** 

By Nelson Velez at 11:14 am, Jan 03, 2022

Review of 2020 Annual Groundwater Report: Content satisfactory

- 1. Continue with future work as stated within 2020 Annual Groundwater Report.
- a. continued groundwater sampling on a quarterly basis in monitoring wells MW03R, MW04, MW06R, MW07R, and MW08
- b. continue quarterly sampling until BTEX concentrations do not exceed NMWQCC standards for eight consecutive quarters
- c. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022

On behalf of Harvest Four Corners, LLC (Harvest), WSP USA Inc. (WSP, formally LT Environmental, Inc.), presents this annual report for activities conducted at the Florance #40 (Site), Remediation Permit Number 3RP-315-0 between January and December 2020. The scope of work for this project was continued remediation and monitoring of petroleum hydrocarbon impacts to groundwater resulting from operations of a former earthen separator pit and a former dehydrator pit.

### INTRODUCTION

The Site is located at latitude 36.799827 and longitude -107.678573 in Unit G, Section 21, Township 30 North, Range 8 West. The Site is near Gobernador Canyon in San Juan County, New Mexico (Figure 1). There are two separate source areas at the Site: a former Amoco Production Company (Amoco) earthen separator pit that is now the responsibility of IKAV (formerly BP America Production Company) and a former Public Service Company of New Mexico (PNM) dehydrator pit that was the responsibility of Williams and is now the responsibility of Harvest (Figure 2). According to a letter from the New Mexico Oil Conservation Division (NMOCD) to Amoco dated December 30, 1997, Amoco was responsible for remediation of soil and groundwater contamination downgradient of the former earthen separator pit and PNM/Williams was responsible for groundwater contamination downgradient of the former dehydrator pit.

In 1996, 646 cubic yards of petroleum hydrocarbon-impacted soil were removed from the former dehydrator pit by PNM. The floor of the excavation was 17 feet below ground surface (bgs) and field screening indicated petroleum hydrocarbon-impacted soil remained at this depth. Monitoring well MW01 was installed upgradient (north) of the source area and impacted soil was observed between 40 feet bgs and 55 feet bgs. A test hole (later converted to monitoring well MW02) was installed 24 feet south of the former dehydrator pit. Impacts to soil were observed from 20 feet bgs to the total depth of 50 feet bgs, and groundwater sampled from monitoring well MW02 contained 11,507 micrograms per liter ( $\mu$ g/L) of total benzene, toluene, ethylbenzene, and xylenes (BTEX).

In 1997, monitoring wells MW03 and MW04 were installed downgradient of the former dehydrator pit. In August 1997, the casing for monitoring well MW02 collapsed and the well was replaced with monitoring well MW06 in March 2000. In addition, in 1997 and in 2000, upgradient monitoring well MW05 and downgradient monitoring well MW07 were installed, respectively.

In 1998, Blagg Engineering installed monitoring well "AMOCO" in or adjacent to the former earthen separator pit and BP (now IKAV) assumed responsibility for monitoring existing monitoring wells MW01 and MW05, as well as the newly-installed monitoring well AMOCO.

Williams purchased the former Gas Company of New Mexico (GCNM) facility from PNM in 2000 and assumed environmental liability for the former dehydrator pit. Between 2000 and 2016, Williams monitored groundwater at the Site. Monitoring wells MW03 and MW06 contained phase-separated hydrocarbon (PSH) at some time between 1997 and 2002; it is not known if the PSH was recovered from monitoring wells MW03 or MW06 during this time.

WSP USA 848 EAST SECOND AVENUE DURANGO, CO 81301

Tel.: 970-385-1096



A fully-saturated, product-recovery sock was discovered in monitoring well MW01 during the February 2013 site visit, indicating product recovery had been previously conducted in monitoring well MW01. Records regarding these activities are in previous groundwater reports submitted to the NMOCD. Monitoring well AMOCO was sampled by Williams in February 2013 during a site re-evaluation. However, since the monitoring well is in IKAV's area of responsibility, well AMOCO has not been sampled by Williams or Harvest since the 2013 event. Additionally, monitoring wells MW01 and MW05 are in IKAV's area of responsibility and were not sampled by Williams.

In 2018, Harvest purchased the former GCNM facility from Williams and assumed environmental liability for the former dehydrator pit. Harvest has retained WSP to continue annual groundwater sampling requirements. In 2019, Harvest installed monitoring wells MW03R, MW06R, and MW07R to replace damaged or dry wells MW03, MW06, and MW07. Additionally, Harvest installed MW08 to further delineate petroleum hydrocarbon impacts to the west.

### SCOPE OF WORK

Quarterly groundwater monitoring activities were conducted at the Site in March, June, September, and December of 2020. WSP measured groundwater elevations and collected groundwater samples from monitoring wells MW03R, MW06R, MW07R, and MW08.

### WATER AND PSH LEVEL MEASUREMENTS

During each quarterly monitoring event, WSP measured depth to groundwater and total depth in all existing wells with an oil/water interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with deionized water prior to each measurement. WSP used top-of-casing elevations to determine groundwater elevations and draft inferred groundwater potentiometric surfaces to determine groundwater flow direction and gradient. Contours were inferred based on groundwater elevations and physical characteristics at the Site (topography, proximity to irrigation ditches, etc.). Groundwater elevation data are summarized in Table 1. Groundwater elevations and potentiometric surfaces are depicted for each quarterly monitoring event on Figure 2 (March), Figure 3 (June), Figure 4 (September), and Figure 5 (December).

### GROUNDWATER SAMPLING

The volume of groundwater in monitoring wells was calculated and a minimum of three well casing volumes of groundwater were purged from each monitoring well (or until the monitoring well purged dry) using a new, disposable PVC bailer or a dedicated PVC bailer. Once the monitoring well was purged, groundwater samples were collected into laboratory provided sample containers. Groundwater samples were submitted to Hall Environmental Analytical Laboratory (HEAL) for laboratory analysis of BTEX by Environmental Protection Agency (EPA) Method 8021. Samples were labeled with the date and time of collection, monitoring well name, project name, sample collector's name, and parameters to be analyzed. Samples were immediately sealed and packed on ice. Groundwater collection forms are presented in Enclosure A.

#### **GROUNDWATER SAMPLING RESULTS**

Groundwater flow direction at the Site is generally to the south-southwest. Measurable PSH was not detected in any monitoring wells during the 2020 quarterly sampling events. Groundwater analytical results from MW03R and MW06R indicate benzene concentrations exceed the (NMWQCC) standards during at least one sampling event in 2020. Benzene concentrations in well MW03R exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (5.0  $\mu$ g/L) during the March sampling event with a concentration of 8.2  $\mu$ g/L. Benzene concentrations also exceeded the NMWQCC standard in well MW06R during the December sampling event with a concentration of 5.4  $\mu$ g/L. No other samples exceeded NMWQCC standards during the 2020 quarterly sampling. Groundwater analytical results are presented in Table 2, laboratory analytical reports are included in Enclosure B.



### CONCLUSIONS

Laboratory results indicate that benzene concentrations exceeded the NMWQCC standard in MW03R and MW06R during at least one sampling event in 2020. However, concentrations of benzene do not significantly exceed NMWQCC standards and have generally decreased over time. Additionally, it is reasonable to assume the petroleum hydrocarbon plume will remain stable at the Site based on extensive historical records indicating that the plume has been stable and is decreasing in size. These conditions are conducive to continued natural attenuation of the residual benzene concentrations identified at the Site. Functional downgradient wells will assist with identifying any potential migration or change in site conditions. WSP estimates benzene concentrations will continue to decrease below NMWQCC standards due to the natural biodegradation and low concentrations of benzene in monitoring wells MW03R and MW06R.

### **FUTURE WORK**

Harvest proposes continued groundwater sampling on a quarterly basis in monitoring wells MW03R, MW04 MW06R, MW07R, and MW08. Quarterly sampling will continue until BTEX concentrations do not exceed NMWQCC standards for eight consecutive quarters.

Kind regards,

Eric Carroll
Associate Geologist

Ashley Ager, PG Managing Director

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#### **Enclosed:**

Figure 1: Site Location Map

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Figure 2: Groundwater Elevations and Analytical Results (March 2020)
Figure 3: Groundwater Elevations and Analytical Results (June 2020)

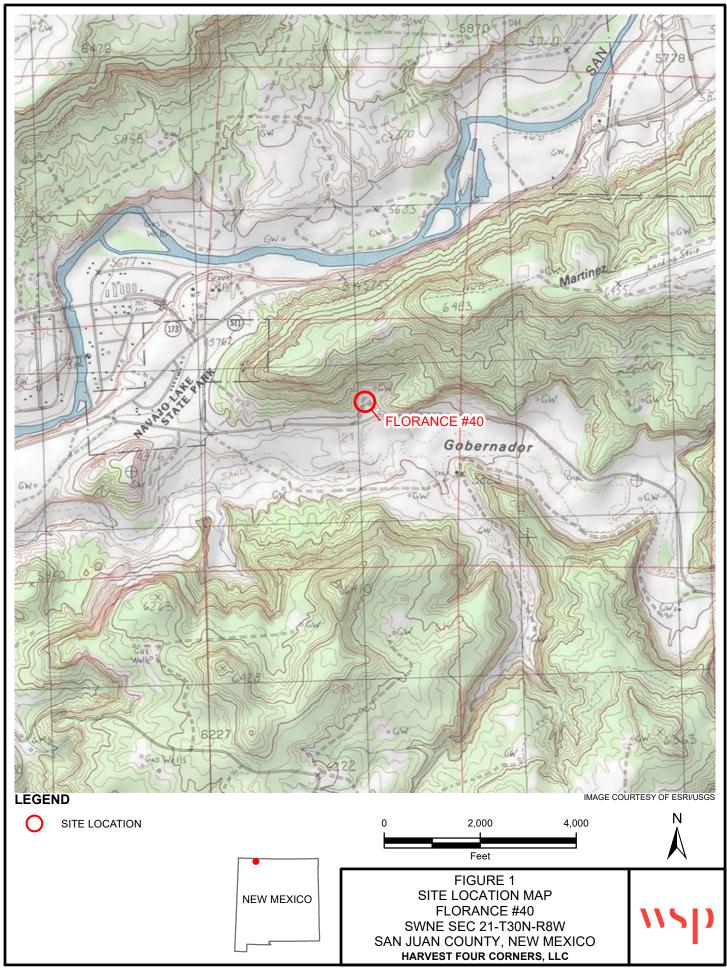
Figure 4: Groundwater Elevations and Analytical Results (September 2020)

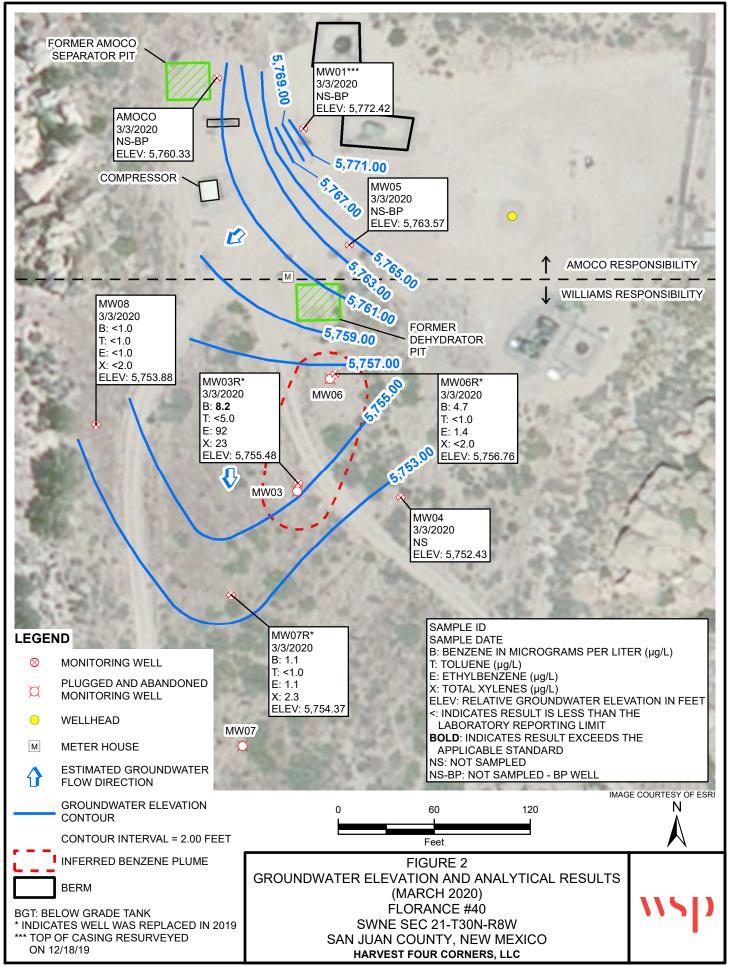
Figure 5: Groundwater Elevations and Analytical Results (December 2020)

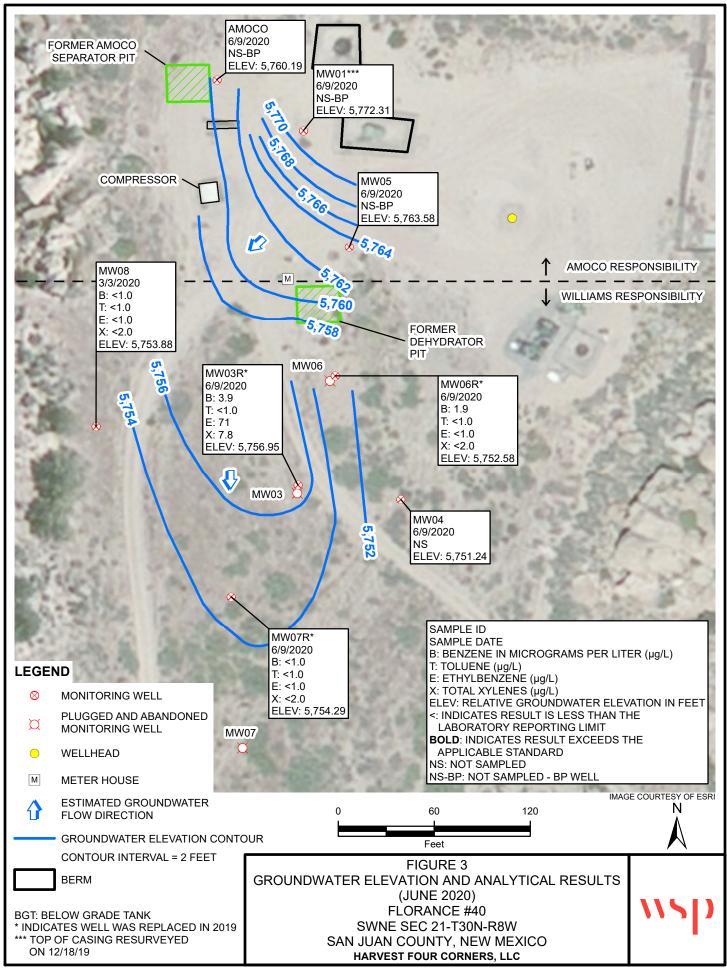
Table 1: Groundwater Elevation Summary Table 2: Groundwater Analytical Results

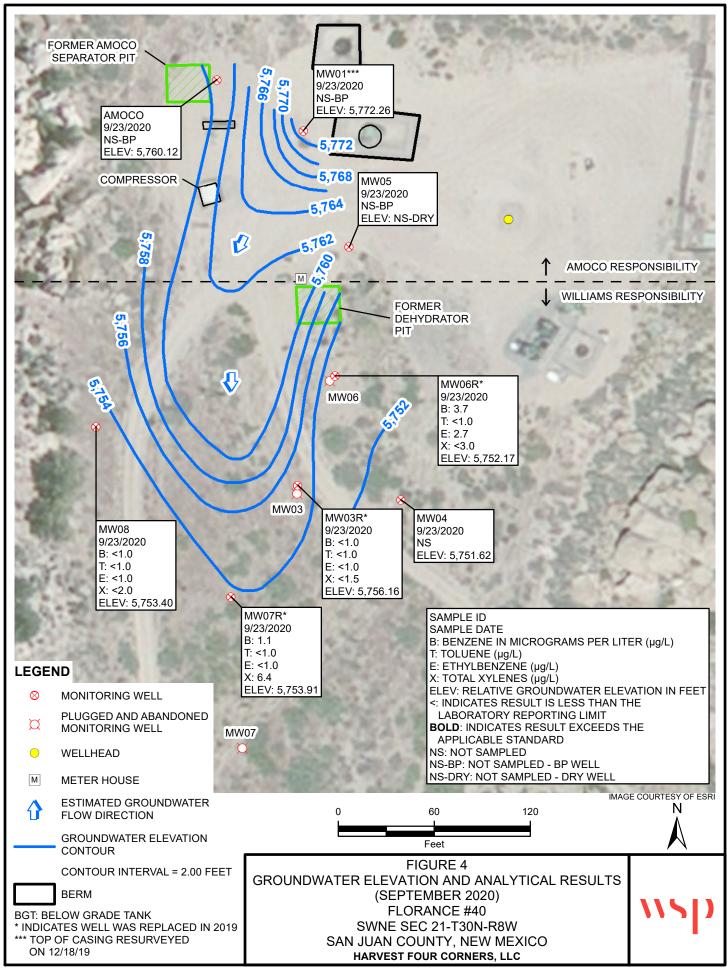
Enclosure A: 2020 Sample Collection Forms Enclosure B: Laboratory Analytical Results

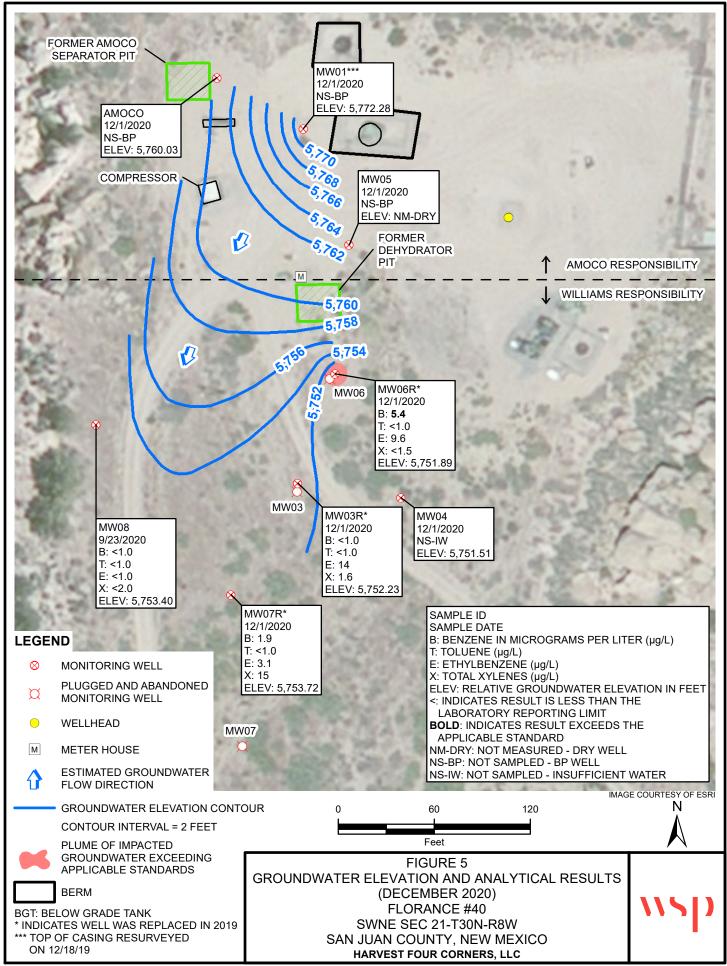
# **FIGURES**











TABLES

Table 1

Groundwater Elevation Summary
Florance #40
San Juan County, New Mexico

Well ID	Date	Top of Casing Elevation	Depth to Groundwater	Depth to Product	<b>Product Thickness</b>	Groundwater Elevation
Well ID	Date	(feet AMSL)	(feet BTOC)	(feet BTOC)	(feet )	(feet AMSL)
AMOCO	1/3/2012	6,234.87	UNK	UNK	UNK	UNK
AMOCO	4/2/2012	6,234.87	UNK	UNK	UNK	UNK
AMOCO	6/13/2012	6,234.87	UNK	UNK	UNK	UNK
AMOCO	10/2/2012	6,234.87	UNK	UNK	UNK	UNK
AMOCO	12/6/2012	6,234.87	UNK	UNK	UNK	UNK
AMOCO	2/28/2013	6,234.87	61.27	NP	NP	6,173.60
AMOCO	6/24/2013	5,822.11*	61.63	NP	NP	5,760.48
AMOCO	9/26/2013	5,822.11	61.64	NP	NP	5,760.47
AMOCO	12/6/2013	5,822.11	61.31	NP	NP	5,760.80
AMOCO	3/19/2014	5,822.11	61.36	NP	NP	5,760.75
AMOCO	6/12/2014	5,822.11	61.65	NP	NP	5,760.46
AMOCO	9/12/2014	5,822.11	61.73	NP	NP	5,760.38
AMOCO	12/4/2014	5,822.11	61.70	NP	NP	5,760.41
AMOCO	3/10/2015	5,822.11	61.71	NP	NP	5,760.40
AMOCO	6/15/2015	5,822.11	61.75	NP	NP	5,760.36
AMOCO	9/24/2015	5,822.11	61.82	NP	NP	5,760.29
AMOCO	12/17/2015	5,822.11	61.56	NP	NP	5,760.55
AMOCO		· · · · · · · · · · · · · · · · · · ·	61.70		NP	-
AMOCO***	9/9/2016	5,822.11		NP NP	<u> </u>	5,760.41
	9/30/2019	5,822.19	61.80	NP NP	NP	5,760.39
AMOCO	3/3/2020	5,822.19	61.86	NP	NP	5,760.33
AMOCO	6/9/2020	5,822.19	62.00	NP	NP	5,760.19
AMOCO	9/23/2020	5,822.19	62.07	NP	NP	5,760.12
AMOCO	12/1/2020	5,822.19	62.16	NP	NP	5,760.03
AMOCO	3/31/2021	5,822.19	61.60	NP	NP	5,760.59
AMOCO	6/2/2021	5,822.19	62.05	NP	NP	5,760.14
2 07704	1/0/2012	5 224 50				
MW01	1/3/2012	6,231.60	UNK	UNK	UNK	UNK
MW01	4/2/2012	6,231.60	UNK	UNK	UNK	UNK
MW01	6/13/2012	6,231.60	UNK	UNK	UNK	UNK
MW01	10/2/2012	6,231.60	UNK	UNK	UNK	UNK
MW01	12/6/2012	6,231.60	UNK	UNK	UNK	UNK
MW01**	2/28/2013	6,231.60	45.92	45.90	0.02	6,185.70
MW01**	6/24/2013	5,818.84*	46.00	NP	NP	5,772.84
MW01**	9/26/2013	5,818.84	45.35	NP	NP	5,773.49
MW01**	12/6/2013	5,818.84	45.42	45.40	0.02	5,773.44
MW01	3/19/2014	5,818.84	45.43	NP	NP	5,773.41
MW01	6/12/2014	5,818.84	45.40	NP	NP	5,773.44
MW01	9/12/2014	5,818.84	45.46	NP	NP	5,773.38
MW01	12/4/2014	5,818.84	DRY	DRY	DRY	DRY
MW01	3/10/2015	5,818.84	44.27	NP	NP	5,774.57
MW01	6/15/2015	5,818.84	45.59	NP	NP	5,773.25
MW01	9/24/2015	5,818.84	45.70	NP	NP	5,773.14
MW01	12/17/2015	5,818.84	45.60	NP	NP	5,773.24
MW01	9/9/2016	5,818.84	45.15	NP	NP	5,773.69
MW01***	9/30/2019	5,817.66	45.36	NP	NP	5,772.30
MW01	3/3/2020	5,817.66	45.24	NP	NP	5,772.42
MW01	6/9/2020	5,817.66	45.35	NP	NP	5,772.31
MW01	9/23/2020	5,817.66	45.40	NP	NP	5,772.26
MW01	12/1/2020	5,817.66	45.38	NP	NP	5,772.28

Table 1

Groundwater Elevation Summary
Florance #40
San Juan County, New Mexico

Well ID	Date	Top of Casing Elevation	Depth to Groundwater	Depth to Product (feet BTOC)	Product Thickness (feet )	Groundwater Elevation
		(feet AMSL)	(feet BTOC)	(ICCL BTOC)	` ′	(feet AMSL)
MW01	3/31/2021	5,817.66	45.64	NP	NP	5,772.02
MW01	6/2/2021	5,817.66	45.58	NP	NP	5,772.08
MW03	1/3/2012	6,219.05	UNK	UNK	UNK	UNK
MW03	4/2/2012	6,219.05	UNK	UNK	UNK	UNK
MW03	6/13/2012	6,219.05	UNK	UNK	UNK	UNK
MW03	10/2/2012	6,219.05	UNK	UNK	UNK	UNK
MW03	12/6/2012	6,219.05	UNK	UNK	UNK	UNK
MW03	2/28/2013	6,219.05	DRY	DRY	DRY	DRY
MW03	6/24/2013	5,806.34*	DRY	DRY	DRY	DRY
MW03	9/26/2013	5,806.34	DRY	DRY	DRY	DRY
MW03	12/6/2013	5,806.34	DRY	DRY	DRY	DRY
MW03	3/19/2014	5,806.34	DRY	DRY	DRY	DRY
MW03	6/12/2014	5,806.34	DRY	DRY	DRY	DRY
MW03	9/12/2014	5,806.34	DRY	DRY	DRY	DRY
MW03	12/4/2014	5,806.34	DRY	DRY	DRY	DRY
MW03	3/10/2015	5,806.34	DRY	DRY	DRY	DRY
MW03	6/15/2015	5,806.34	DRY	DRY	DRY	DRY
MW03	9/24/2015	5,806.34	DRY	DRY	DRY	DRY
MW03	12/17/2015	5,806.34	DRY	DRY	DRY	DRY
MW03	9/9/2016	5,806.34	DRY	DRY	DRY	DRY
MW03R***	9/30/2019	5,805.45	48.60	NP	NP	5,756.85
MW03R	3/3/2020	5,805.45	49.97	NP	NP	5,755.48
MW03R	6/9/2020	5,805.45	48.50	NP	NP	5,756.95
MW03R	9/23/2020	5,805.45	49.29	NP	NP	5,756.16
MW03R	12/1/2020	5,805.45	53.22	NP	NP	5,752.23
MW03R	3/31/2021	5,805.45	53.68	NP	NP	5,751.77
MW03R	6/2/2021	5,805.45	53.66	NP	NP	5,751.79
		,			L .	
MW04	1/3/2012	6,219.64	UNK	UNK	UNK	UNK
MW04	4/2/2012	6,219.64	UNK	UNK	UNK	UNK
MW04	6/13/2012	6,219.64	UNK	UNK	UNK	UNK
MW04	10/2/2012	6,219.64	UNK	UNK	UNK	UNK
MW04	12/6/2012	6,219.64	UNK	UNK	UNK	UNK
MW04	2/28/2013	6,219.64	46.61	46.59	0.02	6,173.05
MW04	6/24/2013	5.806.56*	46.72	46.71	0.01	5,759.85
MW04	9/26/2013	5,806.56	48.28	48.25	0.03	5,758.30
MW04	12/6/2013	5,806.56	48.44	48.42	0.02	5,758.14
MW04	3/19/2014	5,806.56	48.32	NP	NP	5,758.24
MW04	6/12/2014	5,806.56	48.64	NP	NP	5,757.92
MW04	9/12/2014	5,806.56	49.38	NP	NP	5,757.18
MW04	12/4/2014	5,806.56	49.71	NP	NP	5,756.85
141 44 O.A.	3/10/2015	5,806.56	49.74	NP	NP	5,756.82
MW04	3/10/2013	5,806.56	49.74	NP	NP	5,756.68
MW04	6/15/2015		+7.00	INL	INF	2,730.00
MW04	6/15/2015	·		ND	ND	5 756 30
MW04 MW04	9/24/2015	5,806.56	50.17	NP ND	NP NP	5,756.39 5,756.13
MW04		·		NP NP NP	NP NP NP	5,756.39 5,756.13 5,755.13

Table 1

Groundwater Elevation Summary
Florance #40
San Juan County, New Mexico

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet )	Groundwater Elevation (feet AMSL)
MW04	3/3/2020	5,806.60	54.17	NP	NP	5,752.43
MW04	6/9/2020	5,806.60	45.36	NP	NP	5,761.24
MW04	9/23/2020	5,806.60	54.98	NP	NP	5,751.62
MW04	12/1/2020	5,806.60	55.09	NP	NP	5,751.51
MW04	3/31/2021	5,806.60	DRY	NP	NP	DRY
MW04	6/2/2021	5,806.60	DRY	NP	NP	DRY
MW05	1/3/2012	6,228.57	UNK	UNK	UNK	UNK
MW05	4/2/2012	6,228.57	UNK	UNK	UNK	UNK
MW05	6/13/2012	6,228.57	UNK	UNK	UNK	UNK
MW05	10/2/2012	6,228.57	UNK	UNK	UNK	UNK
MW05	12/6/2012	6,228.57	UNK	UNK	UNK	UNK
MW05	2/28/2013	6,228.57	52.16	NP	NP	6,176.41
MW05	6/24/2013	5,815.74*	52.12	NP	NP	5,763.62
MW05	9/26/2013	5,815.74	52.23	NP NP	NP NP	5,763.51
MW05	12/6/2013	5,815.74	DRY	DRY	DRY	DRY
MW05	†	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
MW05	3/19/2014	5,815.74	52.17	NP	NP	5,763.57
	6/12/2014	5,815.74	DRY	DRY	DRY	DRY
MW05	9/12/2014	5,815.74	52.20	NP	NP	5,763.54
MW05	12/4/2014	5,815.74	52.20	NP	NP	5,763.54
MW05	3/10/2015	5,815.74	DRY	DRY	DRY	DRY
MW05	6/15/2015	5,815.74	52.25	NP	NP	5,763.49
MW05	9/24/2015	5,815.74	DRY	DRY	DRY	DRY
MW05	12/17/2015	5,815.74	52.20	NP	NP	5,763.54
MW05	9/9/2016	5,815.74	DRY	DRY	DRY	DRY
MW05***	9/30/2019	5,815.79	DRY	DRY	DRY	DRY
MW05	3/3/2020	5,815.79	52.22	NP	NP	5,763.57
MW05	6/9/2020	5,815.79	52.21	NP	NP	5,763.58
MW05	9/23/2020	5,815.79	DRY	NP	NP	DRY
MW05	12/1/2020	5,815.79	DRY	NP	NP	DRY
MW05	3/31/2021	5,815.79	52.31	NP	NP	5,763.48
MW05	6/2/2021	5,815.79	DRY	NP	NP	DRY
MW06	1/3/2012	6,221.28	UNK	UNK	UNK	UNK
MW06	4/2/2012	6,221.28	UNK	UNK	UNK	UNK
MW06	6/13/2012	6,221.28	UNK	UNK	UNK	UNK
MW06	10/2/2012	6,221.28	UNK	UNK	UNK	UNK
MW06	12/6/2012	6,221.28	UNK	UNK	UNK	UNK
MW06	3/6/2013	6,221.28	DRY	DRY	DRY	DRY
MW06	6/24/2013	5,808.50*	DRY	DRY	DRY	DRY
MW06	9/26/2013	5,808.50	44.37	NP	NP	5,764.13
MW06	12/6/2013	5,808.50	44.39	NP	NP	5,764.11
MW06	3/19/2014	5,808.50	DRY	DRY	DRY	DRY
MW06	6/12/2014	5,808.50	DRY	DRY	DRY	DRY
MW06	9/12/2014	5,808.50	DRY	DRY	DRY	DRY
MW06	12/4/2014	5,808.50	DRY	DRY	DRY	DRY
MW06	3/10/2015	5,808.50	DRY	DRY	DRY	DRY
MW06	6/15/2015	5,808.50	DRY	DRY	DRY	DRY
MW06	9/24/2015	5,808.50	DRY	DRY	DRY	DRY

Table 1

Groundwater Elevation Summary
Florance #40
San Juan County, New Mexico

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet )	Groundwater Elevation (feet AMSL)
MW06	12/17/2015	5,808.50	44.36	NP	NP	5,764.14
MW06	9/9/2016	5,808.50	DRY	DRY	DRY	DRY
	•		_			
MW06R***	9/30/2019	5,808.59	55.28	NP	NP	5,753.31
MW06R	3/3/2020	5,080.59	51.83	NP	NP	5,028.76
MW06R	6/9/2020	5,808.59	56.01	NP	NP	5,752.58
MW06R	9/23/2020	5,808.59	56.42	NP	NP	5,752.17
MW06R	12/1/2020	5,808.59	56.70	NP	NP	5,751.89
MW06R	3/31/2021	5,808.59	57.16	NP	NP	5,751.43
MW06R	6/2/2021	5,808.59	57.27	NP	NP	5,751.32
MW07	1/3/2012	6,211.30	UNK	UNK	UNK	UNK
MW07	4/2/2012	6,211.30	UNK	UNK	UNK	UNK
MW07	6/13/2012	6,211.30	UNK	UNK	UNK	UNK
MW07	10/2/2012	6,211.30	UNK	UNK	UNK	UNK
MW07	12/6/2012	6,211.30	UNK	UNK	UNK	UNK
MW07	2/28/2013	6,211.30	DRY	DRY	DRY	DRY
MW07	6/24/2013	5,798.73*	DRY	DRY	DRY	DRY
MW07	9/26/2013	5,798.73	DRY	DRY	DRY	DRY
MW07	12/6/2013	5,798.73	DRY	DRY	DRY	DRY
MW07	3/19/2014	5,798.73	DRY	DRY	DRY	DRY
MW07	6/12/2014	5,798.73	DRY	DRY	DRY	DRY
MW07	9/12/2014	5,798.73	DRY	DRY	DRY	DRY
MW07	9/12/2014	5,798.73	DRY	DRY	DRY	DRY
MW07	12/4/2014	5,798.73	DRY	DRY	DRY	DRY
MW07	3/10/2015	5,798.73	DRY	DRY	DRY	DRY
MW07	6/15/2015	5,798.73	DRY	DRY	DRY	DRY
MW07	9/24/2015	5,798.73	DRY	DRY	DRY	DRY
MW07	12/17/2015	5,798.73	DRY	DRY	DRY	DRY
MW07	9/9/2016	5,798.73	DRY	DRY	DRY	DRY
MW07R***	9/30/2019	5,803.01	48.59	NP	NP	5,754.42
MW07R	3/3/2020	5,803.01	48.64	NP	NP	5,754.37
MW07R	6/9/2020	5,803.01	48.72	NP	NP	5,754.29
MW07R	9/23/2020	5,803.01	49.10	NP	NP	5,753.91
MW07R	12/1/2020	5,803.01	49.29	NP	NP	5,753.72
MW07R	3/31/2021	5,803.01	49.23	NP	NP	5,753.78
MW07R	6/2/2021	5,803.01	49.18	NP	NP	5,753.83
MW08***	9/30/2019	5,812.70	58.41	NP	NP	5,754.29
MW08	3/3/2020	5,812.70	58.82	NP	NP	5,753.88
MW08	6/9/2020	5,812.70	59.05	NP	NP	5,753.65
MW08	9/23/2020	5,812.70	59.30	NP	NP	5,753.40

#### Table 1

### Groundwater Elevation Summary Florance #40 San Juan County, New Mexico

Well ID	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet )	Groundwater Elevation (feet AMSL)
MW08	12/1/2020	5,812.70	59.50	NP	NP	5,753.20
MW08	3/31/2021	5,812.70	60.00	NP	NP	5,752.70
MW08	6/2/2021	5,812.70	60.02	NP	NP	5,752.68

AMSL - above mean sea level BTOC - below top of casing UNK - data are not known

NP - no product

 $Groundwater\ elevation\ calculation\ in\ wells\ with\ product:\ (Top\ of\ Casing\ Elevation\ -\ Depth\ to\ Water) + (Product\ Thickness\ *\ 0.8)$ 

<sup>\*</sup> Top of casing elevation was resurveyed on 6/20/13

<sup>\*\*</sup> Product recovery sock was present in well

<sup>\*\*\*</sup> Top of casing elevation resurveyed on 12/18/19

Table 2

Well Name	Sample Date	Benzene (μg/L)	Toluene (µg/L)	Ethylbenzene (μg/L)	Total Xylenes (µg/L)
NMWQCC S	NMWQCC Standard (µg/L)		1000	700	620
AMOCO	11/15/2000	966	64.4	1,070	12,700
AMOCO	1/22/2001	1,210	299	1,750	19,400
AMOCO	4/30/2001	1,080	71	1,030	11,600
AMOCO	10/16/2001	930	13	1,100	12,000
AMOCO	3/30/2002	610	790	1,100	13,000
AMOCO	6/16/2002	740	ND	3,400	22,000
AMOCO	12/13/2002	570	ND	670	8,400
AMOCO	12/3/2003	440	<100	760	8,600
AMOCO	3/10/2004	200	56	430	7,400
AMOCO	6/27/2004	270	150	600	6,600
AMOCO	9/20/2004	210	61	430	3,900
AMOCO	12/6/2004	1,000	100	750	7,800
AMOCO	3/8/2005	330	94	730	5,900
AMOCO	11/30/2005	325	59.7	809	11,400
AMOCO	7/18/2006	375	<20.0	1,100	9,010
AMOCO	3/27/2008	168	<25.0	1,800	10,200
AMOCO	3/27/2008	183	<25.0	3,920	11,000
AMOCO	6/4/2008	211	<25.0	1,350	8,170
AMOCO	9/18/2008	169	< 50.0	2,110	17,500
AMOCO	12/5/2008	134	<100	1,280	10,900
AMOCO	3/28/2009	130	<100	1760	15,800
AMOCO	7/8/2009	220	< 50.0	2,350	16,400
AMOCO	9/11/2009	133	<100	2,880	20,700
AMOCO	12/20/2019	106	<10.0	823	5,450
AMOCO	3/29/2010	114	<100	1,230	8,840
AMOCO	6/23/2010	116	<25.0	3,400	19,000
AMOCO	9/10/2010	112	< 50.0	2,980	22,000
AMOCO	12/4/2010	103	< 50.0	1,710	10,900
AMOCO	3/11/2011	78.1	23.3	1,130	6,350
AMOCO	6/14/2011	88.1	<10	1,980	14,200
AMOCO	9/12/2011	75.6	<1.0	670	3,710

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC Standard (µg/L)		5	1000	700	620
AMOCO	1/3/2012	73.8	< 5.0	732	3,380
AMOCO	4/2/2012	NS	NS	NS	NS
AMOCO	6/13/2012	81.8	30.5	966	4,480
AMOCO	10/2/2012	71.6	< 5.0	881	4,320
AMOCO	12/6/2012	80.4	< 5.0	952	3,730
AMOCO	2/28/2013	60	< 50	650	4,200
AMOCO	6/24/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	9/26/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	12/6/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	3/19/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	6/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	9/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	12/4/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	3/10/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	6/15/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	9/24/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	12/17/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	9/30/2019	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	3/3/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	6/9/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	12/1/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	3/31/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
AMOCO	6/2/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC S	NMWQCC Standard (µg/L)		1000	700	620
MW01	1/2/1997	357	1,550	1,060	5,830
MW01	5/8/1997	3,643	11,525	1,097	16,005
MW01	8/13/1997	3,653	12,785	1,160	16,191
MW01	11/25/1997	3,942	14,574	1,262	17,568
MW01	1/23/1998	4,421	15,035	1,181	19,184
MW01	4/28/1998	4,000	13,000	1,000	18,800
MW01	8/7/1998	3,600	11,000	970	15,400
MW01	12/15/1998	3,800	7,200	670	17,900
MW01	2/9/1999	3,400	5,300	1,100	18,900
MW01	4/21/1999	3,500	3,500	810	16,500
MW01	7/28/1999	2,700	1,800	220	15,300
MW01	11/1/1999	3,200	1,100	910	17,600
MW01	7/13/2006	16	6	<1.0	57
MW01	1/3/2012	NS	NS	NS	NS
MW01	4/2/2012	NS	NS	NS	NS
MW01	6/13/2012	NS	NS	NS	NS
MW01	10/2/2012	NS	NS	NS	NS
MW01	12/6/2012	1,670	<10.0	1,300	995
MW01	2/28/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	6/24/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	9/12/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	12/6/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	3/19/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	6/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	9/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	12/4/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	3/10/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	6/15/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	9/24/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	12/17/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	9/30/2019	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	3/3/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	6/9/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	12/1/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Total Xylene (µg/L)
NMWQCC S	tandard (µg/L)	5	1000	700	620
MW01	3/31/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW01	6/2/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW03	2/6/1997	171.0	735	149	1,572
MW03	5/8/1997	97	27	115	302
MW03	11/1/1999	1,600	820	640	6,400
MW03	7/13/2006	57	6.3	<1.0	8
MW03	1/3/2012	NS	NS	NS	NS
MW03	4/2/2012	NS	NS	NS	NS
MW03	6/13/2012	NS	NS	NS	NS
MW03	10/2/2012	NS	NS	NS	NS
MW03	12/6/2012	NS	NS	NS	NS
MW03	2/28/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW03	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW03	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW03	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW03	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW03	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW03	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW03	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW03	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03R*	9/30/2019	15	<5.0	250	58
MW03R*	3/3/2020	8.2	< 5.0	92	23
MW03R*	6/9/2020	3.9	<1.0	71	7.8
MW03R*	9/23/2020	<1.0	<1.0	<1.0	<1.5
MW03R*	12/1/2020	<1.0	<1.0	14	1.6
MW03R*	3/31/2021	<1.0	<1.0	<1.0	<1.5
MW03R*	6/2/2021	<2.0	<2.0	<2.0	<4.0

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC St	tandard (µg/L)	5	1000	700	620
MW04	5/8/1997	<0.2	0.3	< 0.2	0.5
MW04	8/13/1997	<1.0	<1.0	<1.0	<1.0
MW04	11/25/1997	<0.2	< 0.2	< 0.2	< 0.4
MW04	1/23/1998	<0.2	< 0.2	< 0.2	<0.4
MW04	11/15/2000	<1.0	<1.0	<1.0	<1.0
MW04	1/22/2001	15.1	46.1	14.7	306
MW04	4/30/2001	103	3.85	2.38	42.5
MW04	10/16/2001	<2.0	<2.0	<2.0	<2.0
MW04	3/30/2002	42	13	19	150
MW04	6/16/2002	56	32	68	470
MW04	9/25/2002	170	85	170	1,200
MW04	12/13/2002	130	39	180	990
MW04	3/8/2005	17	15	170	1,100
MW04	7/18/2006	<20.0	<20.0	230	1,640
MW04	3/27/2008	<10.0	<10.0	285	2,390
MW04	6/4/2008	<1.0	<10.0	232	1,830
MW04	9/18/2008	<5.0	16.1	218	1,640
MW04	12/5/2008	<5.0	< 5.0	55.6	410
MW04	3/28/2009	<5.0	< 5.0	111	732
MW04	7/8/2009	6.1	< 5.0	91.2	587
MW04	9/11/2009	<1.0	<1.0	39.9	199
MW04	12/20/2009	<1.0	<1.0	28.1	145
MW04	3/29/2010	<5.0	7.1	65.5	360
MW04	6/23/2010	<5.0	< 5.0	70.1	439
MW04	9/10/2010	<1.0	<1.0	11.8	110
MW04	12/4/2010	<5.0	< 5.0	15.8	152
MW04	3/11/2011	<5.0	< 5.0	18.1	167
MW04	6/14/2011	<1.0	<1.0	4.9	33.3
MW04	9/12/2011	<1.0	<1.0	<1.0	7.9
MW04	1/3/2012	<1.0	<1.0	<1.0	3.6
MW04	4/2/2012	NS	NS	NS	NS
MW04	6/13/2012	<1.0	<1.0	<1.0	<3.0

Table 2

Well Name	Sample Date	Benzene (μg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC S	NMWQCC Standard (µg/L)		1000	700	620
MW04	10/2/2012	<5.0	< 5.0	<5.0	<15.0
MW04	12/6/2012	<1.0	<1.0	<1.0	<3.0
MW04	2/28/2013	NSP	NSP	NSP	NSP
MW04	6/24/2013	NSP	NSP	NSP	NSP
MW04	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW04	12/6/2013	NSP	NSP	NSP	NSP
MW04	3/19/2014	<1.0	<1.0	3.9	12
MW04	6/12/2014	<2.0	<2.0	<2.0	7.2
MW04	9/12/2014	<1.0	<1.0	<1.0	5.7
MW04	12/4/2014	<2.0	<2.0	<2.0	5.2
MW04	3/10/2015	<2.0	<2.0	<2.0	<4.0
MW04	6/15/2015	<1.0	<1.0	<1.0	<2.0
MW04	9/24/2015	<1.0	<1.0	<1.0	<1.5
MW04	12/17/2015	<1.0	<1.0	<1.0	<2.0
MW04	9/30/2019	<1.0	<1.0	<1.0	<2.0
MW04	3/3/2020	NS	NS	NS	NS
MW04	6/9/2020	NS	NS	NS	NS
MW04	12/1/2020	NS-IW	NS-IW	NS-IW	NS-IW
MW04	3/31/2021	NS-IW	NS-IW	NS-IW	NS-IW
MW04	6/2/2021	NS-IW	NS-IW	NS-IW	NS-IW
MW05	5/8/1997	<2.0	0.3	< 0.2	0.4
MW05	8/13/1997	3,683	12,739	1,143	16,086
MW05	11/25/1997	<0.2	< 0.2	< 0.2	< 0.4
MW05	1/23/1998	4,299	14,477	1,120	18,281
MW05	2/9/1999	3,500	5,100	100	17,700
MW05	4/21/1999	3,300	3,400	790	16,400
MW05	3/21/2000	730	220	1,200	11,600
MW05	6/14/2000	800	33	980	5,890
MW05	11/15/2000	953	65	1,600	8,010
MW05	1/22/2001	818	<1	1,390	7,530
MW05	4/30/2001	873	124	1,450	4,320

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC St	NMWQCC Standard (µg/L)		1000	700	620
MW05	10/16/2001	770	73	1,300	8,000
MW05	3/30/2002	350	12	540	440
MW05	6/16/2002	300	ND	290	110
MW05	9/25/2002	250	15	110	330
MW05	12/13/2002	100	ND	48	150
MW05	7/13/2006	22	8	<1.0	45
MW05	1/3/2012	<1.0	<1.0	<1.0	3.6
MW05	4/2/2012	NS	NS	NS	NS
MW05	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW05	10/2/2012	<5.0	< 5.0	<5.0	<15.0
MW05	12/6/2012	<1.0	<1.0	<1.0	<3.0
MW05	2/28/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/24/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	9/26/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	12/6/2013	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	3/19/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	9/12/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	12/4/2014	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	3/10/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/15/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	9/24/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	12/17/2015	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	9/30/2019	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	3/3/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/9/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	12/1/2020	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	3/31/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV
MW05	6/2/2021	NS-IKAV	NS-IKAV	NS-IKAV	NS-IKAV

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC St	tandard (µg/L)	5	1000	700	620
MW06	3/21/2000	4,200	12,000	1,300	15,200
MW06	6/14/2000	4,400	11,000	1,200	15,200
MW06	7/13/2006	795	1,480	285	2,450
MW06	3/27/2008	3,670	2,150	1,210	14,300
MW06	6/4/2008	2,380	1,370	580	11,900
MW06	9/18/2008	3,600	278	1,290	18,100
MW06	12/5/2008	1,580	85.3	828	10,100
MW06	3/28/2009	1,790	95	886	15,300
MW06	9/11/2009	1,200	95	523	3,580
MW06	6/23/2010	815	75.3	32.3	3,090
MW06	9/10/2010	674	129	28.7	4,010
MW06	1/3/2012	NS	NS	NS	NS
MW06	4/2/2012	86.7	28	799	4,240
MW06	6/13/2012	NS	NS	NS	NS
MW06	10/2/2012	NS	NS	NS	NS
MW06	12/6/2012	NS	NS	NS	NS
MW06	3/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW06	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW06	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW06	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW06	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW06	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW06	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW06	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW06	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW06	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW06	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW06	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW06	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW

Table 2

Well Name	Sample Date	Benzene (μg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC S	tandard (µg/L)	5	1000	700	620
MW06R*	9/30/2019	15	<1.0	7.1	42
MW06R*	3/3/2020	4.7	<1.0	1.4	<2.0
MW06R*	6/9/2020	1.9	<1.0	<1.0	<2.0
MW06R*	9/23/2020	3.7	<1.0	2.7	<3.0
MW06R*	12/1/2020	5.4	<1.0	9.6	<1.5
MW06R*	3/31/2021	2.3	<1.0	5.8	4.8
MW06R*	6/2/2021	3.8	<1.0	7.0	11
MW07	3/21/2000	< 0.5	< 0.5	<0.5	5.9
MW07	6/14/2000	< 0.5	< 0.5	< 0.5	<1.5
MW07	11/15/2000	<1.0	<1.0	<1.0	<1.0
MW07	1/22/2001	<1.0	5.79	1.51	42.4
MW07	4/30/2001	<1.0	<1.0	<1.0	<1.0
MW07	10/16/2001	<1.0	<2.0	<2.0	3.2
MW07	12/3/2003	<2.0	<2.0	<2.0	< 5.0
MW07	3/10/2004	ND	ND	ND	ND
MW07	6/27/2004	ND	ND	ND	ND
MW07	9/20/2004	ND	ND	ND	ND
MW07	12/6/2004	<2.0	<2.0	<2.0	<5.0
MW07	3/8/2005	<2.0	<2.0	<2.0	5.7
MW07	6/19/2005	<2.0	<2.0	<2.0	< 5.0
MW07	9/15/2005	<2.0	<2.0	<2.0	< 5.0
MW07	11/30/2005	<2.0	<2.0	<2.0	< 5.0
MW07	7/13/2006	<1.0	<1.0	<1.0	<3.0
MW07	3/27/2008	<1.0	<1.0	<1.0	<3.0
MW07	6/4/2008	<1.0	<1.0	<1.0	<3.0
MW07	9/18/2008	<1.0	<1.0	<1.0	<3.0
MW07	12/5/2008	<1.0	<1.0	<1.0	<3.0
MW07	3/28/2009	<1.0	<1.0	<1.0	<3.0
MW07	7/8/2009	<1.0	<1.0	<1.0	<3.0
MW07	9/11/2009	<1.0	<1.0	<1.0	<3.0
MW07	12/20/2009	<1.0	<1.0	<1.0	<3.0
MW07	3/29/2010	<5.0	< 5.0	<5.0	<15.0
MW07	6/23/2010	<1.0	<1.0	<1.0	<3.0

Table 2

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC S	tandard (µg/L)	5	1000	700	620
MW07	9/10/2010	<1.0	<1.0	<1.0	<3.0
MW07	12/4/2010	<1.0	<1.0	<1.0	<3.0
MW07	3/11/2011	<1.0	<1.0	<1.0	<3.0
MW07	6/14/2011	<1.0	<1.0	<1.0	<3.0
MW07	9/12/2011	<1.0	<1.0	<1.0	<3.0
MW07	1/3/2012	<1.0	<1.0	<1.0	<3.0
MW07	4/2/2012	<1.0	<1.0	<1.0	<3.0
MW07	6/13/2012	NS	NS	NS	NS
MW07	10/2/2012	NS	NS	NS	NS
MW07	12/6/2012	NS	NS	NS	NS
MW07	2/28/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW07	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW07	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW07	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
MW07	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW07	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW07	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW07	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
MW07	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07R*	9/30/2019	6.7	<1.0	78	200
MW07R*	3/3/2020	1.1	<1.0	1.1	2.3
MW07R*	6/9/2020	2.1	<1.0	5.1	18
MW07R*	9/23/2020	1.1	<1.0	<1.0	6.4
MW07R*	12/1/2020	1.9	<1.0	3.1	15
MW07R*	3/31/2021	<1.0	<1.0	1.8	8.7
MW07R*	6/2/2021	1.0	<1.0	<1.0	4.8

#### Table 2

# Groundwater Laboratory Analytical Results Florance #40 San Juan County, NM

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)
NMWQCC St	tandard (µg/L)	5	1000	700	620
MW08	9/30/2019	<1.0	<1.0	<1.0	<2.0
MW08	3/3/2020	<1.0	<1.0	<1.0	<2.0
MW08	6/9/2020	<1.0	<1.0	<1.0	<2.0
MW08	9/23/2020	<1.0	<1.0	<1.0	<1.5
MW08	12/1/2020	<1.0	<1.0	<1.0	<1.5
MW08	3/31/2021	<1.0	<1.0	<1.0	<1.5
MW08	6/2/2021	<1.0	<1.0	<1.0	<2.0

μg/L - micrograms per liter

**Bold** indicates sample exceeds NMWQCC standard

< - indicates result is less than laboratory reporting detection limit

NMWQCC - New Mexico Water Quality Control Commission

NS- IKAV - not sampled, monitoring well is IKAV's (formerly BP) responsibility

NS - not sampled

NS-IW - not sampled - Insufficient water

NSP - not sampled due to the presence of free phase hydrocarbons in the well

<sup>\* -</sup> indicates well was replaced in 2019

# ENCLOSURE A – GROUNDWATER COLLECTION FORMS

		Groundwat	er Sample (	Collection	Form		-11		
_					8		-1.		0
	oject Name: ct Number:	Florance 40 90319008	GW Monito	ring					_
Sample	e Location:	Florance 40			-		Sampler:	Mary Mrdjenovich	
Sa	mple Date:	3/3/2020 15: 30							_
	Sample ID:	mw-3	R	- 10	12 W 11	- /			
	Matrix:	BTEX,	Vitvate	Sulfa	TE, AIRA	nery			_
Dept	h to Water: Time:	49.97		e e		Total I De <sub>l</sub>	Depth of Well: oth to Product:	55.55'	
Method	of Purging:	55.55 - 47.9 Dedicated PVO	Bailer	.163/±0,0	11 x3= 2,	(height of w	rater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 we	ll vols
	Vol.	Total Vol.	pН	Temp.	Conductivit	Dissolved	ORP		$\neg 1$
Time	Removed	Removed (gallons)	(std. units)	SF)	y (us or ms)	Oxygen % r mg/L)	/ 85	Comments	
14:25	0.25	0.25	7.40	18,30	5.68	68.3	-142.3		black
14:34	6.25	0.75	7.24	18,34	5.13	22,1	-1287	sufur odor, Inc	sh
14:37	0.25	1	7.18	18:35	5.72	23.8	-117.4		$\exists 1$
14:45	0.25	1.25	7,25	18,41	5.76	21.5	-111.3		
14:51	0.25	1.5	7.22	18,32	5.78	22.3	-109.9		
14:55	0.25	1.75	7.15	18,28	5.78	22.1	-108.5		_
14:54	0.25	2	7.12	18,35	5.78	27.0	-108.0		
15:05	0.5	2.5	7.08	18.34	5.80	22.0	-104,2		$\dashv$ I
_									$\dashv$
									$\dashv$ $I$
									$\dashv$ $\vdash$
									$\dashv$ $\vdash$
									$\neg$
									$\neg$
									$\neg$
									$\dashv$ $I$
									<b></b>   I
									$\dashv I$
									-I
									$\dashv$ $I$
									$\dashv$ I
									-
									-
		1 5	1			- V	5.0		_
omments:	Turk	old, day	14 gr	ayl b	lack c	olov, 5	U HOY -	like odor,	
no c	Sheen		J	J		. '	110	. , ,	
	101	on coul	d not	ho v	recorde	d, wate	1 too	turbio.	
							1	/ ^	_
		from SOP:	Water	+00	turb'	d gr	to	use low-flor	بند
Durg	ed i	with d	edippo	ted b	aler.	and f	ook a	rab Samulo	/
ignature:	20.	1 000					10.3	4	
guature;	100	1110	W/		Date:	1/2	1202	0	
	1	. /	( )			*	/		- 1

		Groundwate	er Sample (	Collection 1	Form			
	oject Name: oct Number:	Florance 40 90319008	GW Monitor	ing				
Sampl	e Location:	Florance 40			en e		Sampler:	Mary Mrdjenovich
Sa	Sample ID:	3/3/2020 16:05 MW-TF BTEX, I	Z Vitrate	, Svlfa	te, Alk	unity		
Dept	h to Water: Time:	48.6				Total I Dep	Depth of Well: oth to Product:	55.78
Method		Dedicated PVC		Low-f	for	(height of w	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Dissolved xygen r mg/L)	ORP (mV)	Comments
15:40 15:44 15:50 15:54 15:51	6,2	0.2 0.4 0.5 0.6 0.7	7.10 1.25 1.31 1.34 1.32	18.76 18.75 18.70 18.45 18.23	5.30 5.38 5.34 5.33 5.33	33 9 45.1 44.8 44.2 42.6	-95.3 -68.3 -67.8 -60.0 -1.4.3	Clyar, no sheen lock
Describe l	Deviations i	from SOP:	color	Isher		3)	3/202	20

Released to Imaging: 1/3/2022 11:18:27 AM

		Groundwate	er Sample (	Collection 1	Form			
		Florance 40	GW Monitor	ring				
	ct Number:							
		Florance 40			8		Sampler:	Mary Mrdjenovich
	mple Date: mple Time:	3/3/2020 17:00						
	Sample ID:	mw-8	1:1-120	CAGA	Alk.	. <b>I</b> . o		
	Matrix:	BTEX, I	VITVASCI	SUITAR	HILLAN	7		
Depti	h to Water: Time:	58,8	2'			Total I Dep	Depth of Well: oth to Product:	69.151
Vol. of Wate		D. II IBUC				(height of w	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
		Dedicated PVC Dedicated PVC		Low-flow	- flow			
	Vol.	Total Vol.	рН	Temp.	Conductivit	Dissolved	ORP	
Time	Removed	Removed (gallons)	(std. units)	END.	y (us or ms)	Oxygen % or mg/L)	(mV)	Comments
16:24	0.2	0.2	7.12	16.95	5,70	77.3	-52.5	Clear, no sheen od o
16.27	0.1	0.4	7.14	17/11	5.68	34.8	-50,1	
16 35	0.2	0.6	7,17	17.34	5.72	34.0	-38.3	I
16.39	0.1	0.7	7,19	17.00	5.78	33.5	-36.5	
16:43	0.1	0.8	7.18	17.08	5.19	33,2	-38-0	
16:48	0.1	0.9	7,21	17.67	5.79	32.8	-40.8	
1.00								
								<del></del>
-								
-								
Comments:	Clear	7, no (	color /	sheen/	odor			
Describe D	Deviations f	rom SOP:		0				
			0	0		==== 2	-7.	
Signature:	Mo	Z'N	nez	$\widetilde{}$	Date:	3/:	5/202	٥

0	Groundwate	er Sample (	Collection 1	Form	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	i	
Project Name:	Florance 40	GW Monitor	ing				C
Project Number:	90319008						
Sample Location:	Florance 40			2		Sampler:	Mary Mrdjenovich
Sample Date: Sample Time: Sample ID: Analyses: Matrix:		R Vitrate	, Sulfa	te, Alx			
Depth to Water:	51.83	1			Total I Dep	Depth of Well: oth to Product:	<u>59.90'</u>
Vol. of Water to Purge: Method of Purging: Method of Sampling:			ow fl	Aow	(height of wa	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Tricator of Sampling.	,	Banoi	CDW	1000			
Time Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Dissolved xygen r mg/L)	ORP (mV)	Comments
17:31 0.1	0.1	7.10	18.30	5.21	76.3	-83.8	Turbid, gray, ns, no
17:40 0.2	0.4	7.08	18.25	5.29	38.6 33.9	-85.2 -85.1	30 3
17:44 0.2	0.6	1.05	18.18	5,35	30.2	-86.0	
	01.5	1.14.2				- G-MILLE	
				<u> </u>			
Comments: Tuy	bid gr		on sh	een lad	orded,	water	too turbid.
			V				1 0
Describe Deviations for	rom SOP:	Water	beac	in to	M	low	before
could get	CONSIST	ent		meters.			1
Signature:	en w	Lu	X.		3   3	2020	





848 E. 2nd Ave. Durango, Colorado 81301 T 970.385.1096

### Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring Project Location: Florance #40 Project Number: 090319016 Sampler: Josh Adams Sample ID: MWOX Matrix: Groundwater Sample Date: 9/23/2020 1155 Sample Time: Laboratory: Hall Environmental Shipping Method: Hand Delivery Analyses: BTEX 8021 Depth to Water: Total Depth of Well: Time: Depth to Product: Vol. of Water to Purge: (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Wethod of Purging:
Method of Sampling:

Method of Sampling:

Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Comments
1138	1.0	1.0	7.00	18.5	3.88	light brown cloudy
	1,0	2.0	7.07	17.7	3.79	
	1.0	3.0	7116	Itid	3.78	41 11
	0.75	4.95	7.10	17.5	2.10	٠١ ١
	0.75	4.75	7.14	110	3.70	
-						
Commonts:			1-d @ 1	155		

ments: Sampled e 1155						
			ments:	 empled e	1155	
	escribe Deviations from SOP:	escribe Deviations from SOP:	·		1.02	
	Describe Deviations from SOP:	Describe Deviations from SOP:				

o sheen/ odor



Ground	water Sample Colle	ection Form		•	848 E. 2nd Ave. Durango, Colorado 81301 T 970.385.1096
Project Name: Project Number:	Quarterly Groundwater M 090319016	onitoring	Pro	oject Location: Sampler:	Florance #40 Josh Adams
			Shi	Sample Time:	Groundwater 1225 Hand Delivery
Depth to Water: Time:		49.24		Depth of Well: pth to Product:	
Vol. of Water to Purge: Method of Purging: Method of Sampling:	boiler, -	gallons	(height of wa	ater column * 0.1631 f	or 2" well or 0.6524 for 4" well) * 3 well vols
Time Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp.	Conductivit y (us or ms)	Comments
0.75	1.75	7.07	79.4	2.48	block claredy, ACOCO
omments:	pled e 12	25 b	and used	sheen	150 cy 17 Lode
Describe Deviations 1	from SOP:	sampled	bef	ore fulling	Durg due
Signature:	h Carling	3_		Date:	9-23-20



	Ground	water Sample Colle		1		848 E. 2nd Ave. Durango, Colorado 81301 T 970.385.1096	
Project Name: Quarterly Groundwater Monitoring Project Number: 090319016		Pro					
	Sample Date: Laboratory:	Hall Environmental		Shi	Sample Time:	Groundwater Hand Delivery	
	Analyses: Depth to Water: Time:				Depth of Well: oth to Product:		
	Vol. of Water to Purge:  Method of Purging:	bailer	allon	(height of wa	nter column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols	
	Method of Sampling:  Vol. Removed	Total Vol. Removed	pH (std. units)	Temp.	Conductivit	Comments	
	1243 0.50	0.50	7.20	20.1	3.03	grey brown claudy no	osheen/ oder
	Comments: Sa	impled e l		Drewn/	gray ck	andy slight-//250 of Acceptation	do noshaen
	Describe Deviations	from SOP:	/ Samf	val ix	efole fi	all purg dae	
	Signature:	al little	us		Date:	9-23-20	
-	//						===

Groundwater	<sup>.</sup> Sample	Collection	<b>Form</b>
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	3.000	water Sample Cont	cellon I of	11	- (	Di.	rango, Colorado 8130 T 970.385.1096
Pro	oject Name:	Groundwater Monitoring		P:	roject Location:		
				-	Sampler:	Eric Carroll	
g.	Sample ID: MW-3R					Groundwater	r
Sample Date: 6/9/2020					Sample Time:	1311	
Laboratory: Hall Environmental			_ Sh	Shipping Method: Courier			
	Analyses: BTEX 8021						
Depth to Water: 48.50 Time: 1300			Total	Total Depth of Well: 55.63  Depth to Product:			
	Time:	1300		- De	epth to Product:	-	
Method	of Purging:	Dedicated PVC Bailer Dedicated PVC Bailer	r	(height of v	vater column * 0.1631 í	for 2" well or 0.6524	for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Cor	nments
1300	0.5	0-5	7-08	19.8	2,29	Turbid	black
1303	1-0		-7-07	19.2	2.31		
1307	1-0	2.5	7.06	19.2	2,32		
1310	1.0	3-5	7-05	19.7	2.32		
				B.G.			
				· 'n			
				.8-			
Comments	000	Charles	100				
	100	Sheen 100	(1)/				
Describe D	eviations f	rom SOP:					
Signature:	Erin	Carroll			Date•	6/9/208	20
					Date	01 11 200	

Groundwater Sa	mple Collection	Form
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-	Grouna	water Sample Colli	ection Fori	n	- 4	048 E. 210 Avenu Durango, Colorado 8130 T 970.385.1090
	oject Name: ect Number:	Groundwater Monitoring		Pı	roject Location:	
110,0				•	Sampler:	Eric Carroll
c	Sample ID:	MW-6R		•		Groundwater
	ample Date:	Hall Environmental		•0 C1-	Sample Time:	1250
		BTEX 8021		Sn	ipping Method:	Courier
Dep		7.		Total	Depth of Well:	59.95
	Time:	56.01 1230		De	Depth of Well: epth to Product:	
Method	of Purging:	Dedicated PVC Baile Dedicated PVC Baile		(height of w	rater column * 0.1631 :	for 2" well or 0.6524 for 4" well) * 3 well vols
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivit y (us or ms)	Comments
1236	0.5	0.5	7.08	19.0	2.70	Clear colorless
1243	0.5	1-0	7.05	18.8	2.77	Slightly turbid, gray
1245	0.5	1.5	7.07	18-7	2-90	
1011	0.3	2-0	7.06	18.5	2.97	
		1				
omments:	no	Sheen I odar				
Describe D	eviations f	rom SOP:				
Signature:	que	Carell			Date:	6/9/2020
					-	

Groundwater	Sample	Collection	Form
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						T 970.385.109
Pro	oject Name	: Groundwater Monitoring		P	roject Location:	Florance 40
	ect Number:			-		Eric Carroll
	Sample ID:	MINITO			Matrix	Groundwater
Sa	ample Date:	6/9/2020		•	Sample Time:	
•	Laboratory:	Hall Environmental			ipping Method:	
	Analyses:	BTEX 8021				
Dept	th to Water:	48.72		Total	Depth of Well:	ES 50
	Time:	<u>48.72</u> <u>1325</u>		De	epth to Product:	55.50
Vol. of West	an 4a D	3 gallens				
Method	of Purging:	Dedicated PVC Baile		(height of w	vater column * 0.1631 f	for 2" well or 0.6524 for 4" well) * 3 well vols
		Dedicated PVC Bailer				
Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	y (us or ms)	Comments
1327	1.0	1-0	7.03	20.2	3.49	Clear Colorless
1330	1-0	2-0	7.04	18.5	3.41	
1333	1-0	3-0	7-07	18.6	3_36	tubid It. brown
1179	1-0	7.0	7.07	18-0	3.40	
Comments:	1/0	Stagens to	dae			
	70.0	Sheen 100	701			
D !! D		~~~				
Describe D	eviations i	rom SOP:				
Signatura					<b>.</b>	161
orgnature:	ecc.	Carroll			Date: _	6/9/2026



						T 970.385.1096
Dre	sieet Name	Consum de cotare Marcitario		D		T1 40
	ect Number:	Groundwater Monitoring		- Pi	roject Location:	Florance 40 Eric Carroll
_				-	_	
Se	Sample ID: imple Date:	MW-8		2		Groundwater
		Hall Environmental		- Sh	Sample Time: ipping Method:	
		BTEX 8021			ipping Memod.	Courier
Deni	h to Water	Egas		Total	Double of Well.	-0 1n
Бері	Time:	59.05		. Totai De	pepul of well:	69.10
					pm to reduct.	
Vol. of Wate	er to Purge:	5 gallons		(height of w	ater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Method of	of Purging:	Dedicated PVC Bailer	r			
Memou o	. Samping;	Dedicated PVC Bailer	r			
Time	Vol.	Total Vol. Removed	pН	Temp.	Conductivit	
	Removed	(gallons)	(std. units)	(F)	y (us or ms)	Comments
1210	1.0	1-0	7.11	17-8	3.79	Clear Colorless
1214	1.0	2-0	7,02	16.9	3,72	Slightly Washid, gray
1217	1-0	3.0	6.99 2,00	16.9	3.71	
1223	1.0	4-0 5-0	7-01	16-9	3.77	<u> </u>
				10-0	1. 1.	
ammontee						
omments.	- VIC	Sheen lodge				
Describe D	eviations f	rom SOP:				
	-					- 1 - 1
signature: _	Erel	Carroll			Date:	6/9/2020



						7 370.303.7030
		Groundwater Monitoring		Pr	oject Location:	Florance 40
Proje	ect Number:	TE090319008		-		Eric Carroll
	Sample ID:	MWO3R			Matrix:	Groundwater
Sa	ample Date:	12/1/2020			Sample Time:	11:20
]		Hall Environmental		. Shi	pping Method:	Hand Delivery
	Analyses:	BTEX 8021				
Dept	th to Water:	63.72		Total	Depth of Well:	55.72
	Time:			De	pth to Product:	1/4
	of Purging:	Dedicated PVC Bailer Dedicated PVC Bailer		(height of w	rater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
	Vol.	Total Vol. Removed	-11	Т	C14: 14	
Time	Removed		pH (std. units)	Temp.	Conductivit y (us or ms)	Comments
1105	0-25	0.25	7.06	20-1	2.56	black, turbid
1108	0-25	1-50	7.08	19-6	2.51	210 00 00 00 00 00
1110	0-25	0.75	7.17	19-5	2-49	
1113	0-23	1-00	7.10	17.5	2,49	
		-				
		DCY				
		/				
Comments:	Samp	led before goi	ng dry	. black	thrbid	uater
-						
Describe D	eviations f	rom SOP:				
Signature:	Elm	Carrell			Date:	12/1/2020

Groundwater	Sample	Collection	Form
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						T 970.385.1096
Pr	oject Name:	Groundwater Monitoring		Pr	oject Location:	Florance 40
Proj	ect Number:	TE090319008				Eric Carroll
	Sample ID:	_MW04			Matrix:	Groundwater
S	ample Date:	12/1/2020			Sample Time:	
		Hall Environmental		Shi		Hand Delivery
		BTEX 8021		SIII	pping Moulou.	Trand Derivery
Den				Total	Donth of Walls	- 1
- <b>- - - - - - - - - -</b>	Time:	55.09		De	Depth of Well: pth to Product:	<u> &gt; 5- / / </u>
				Do	pin to 1 roduct.	_// A
	er to Purge:			(height of w	vater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well
Method	of Purging:	Dedicated PVC Bailer	r			
Method o	f Sampling:	Dedicated PVC Bailer	r			
TTO A	Vol.	Total Vol. Removed	рН	Temp.	Conductivit	
Time	Removed	(gallons)	(std. units)	(F)	y (us or ms)	Comments
-		(ganons)	(stu. units)	(F)	y (us of ms)	
				/		
		-/				
		-				
		-				
mments:	Ins	afficient Has	0 to	Sample		
escribe D	eviations f	rom SOP				
	· · · · · · · · · · · · · · · · · · ·	(-				
nature:	Gren.	Carrell			Datas	10/1/000
A-PARTAGE DO	1001	ar com			Date:	12/1/202

Groundwater	Sample	Collection	Form
-------------	--------	------------	------



						T 970.385.1096
Pro	niect Name	Groundwater Monitoring		n.	-:	T1 40
Proje	ect Number:	TE090319008		· PI	oject Location:	Eric Carroll
				ž.	Sampler.	Exic Carron
Q.	Sample ID:	MWOGR		2	Matrix:	Groundwater
		12/1/2020 Hall Environmental		C1 :	Sample Time:	_1/:45
	Analyses:	BTEX 8021		. Sm	pping Method:	Hand Delivery
David						
Дері	n to water:	<u>56. 70</u>		Total	Depth of Well:	60.00
	Time.			Де	pth to Product:	_NA
Vol. of Wate				(height of w	rater column * 0.1631	for 2" well or 0.6524 for 4" well) * 3 well vols
Method	of Purging:	Dedicated PVC Bailer				The state of the s
Method of	f Sampling:	Dedicated PVC Bailer				
-	Vol.	Total Vol. Removed	pН	Тетр.	Conductivit	
Time	Removed	(gallons)	(std. units)	MC	y (us or ms)	Comments
1125	0.25	0-25	7.19	20-8	3,04	aca Huchid
1128	0.25	0-50	7.20	20-6	2.98	gray, turbid
1/3/	3-25	0.75	7,20	20.4	2-66	
<del></del>						
Comments:	Dry	@ 0.75	9/01 V	+ whid		
·-			9 /	0.00		
Describe De	eviations fi	rom SOP:				
	- · amtività II					
Signature:	4111	Carrend			Date	12/1/2020
					-	12/1/2020



						T 970.3	85.1096
Pro	oject Name:	Groundwater Monitoring		Pr	oject Location:	Florance 4	0
		TE090319008			-	Eric Carro	
	Sample ID:	_MWO7R			Matrix:	Groundwa	ter
	ample Date:	12/1/2020			Sample Time:		
		Hall Environmental		Shi	pping Method:		very
	Analyses:	BTEX 8021					
Dep	th to Water:	49.29		Total	Depth of Well:	55,70	,
	Time:	49.29		De	pth to Product:		
Vol. of Wat	er to Purge:	3)					
		Dedicated PVC Bailer	r	(height of w	vater column * 0.1631	for 2" well or 0.6	524 for 4" well) * 3 well vol
		Dedicated PVC Bailer					
	Vol.	Total Vol. Removed	пп	Т.	Can du 444		
Time	Removed		pH (std. units)	Temp. (P) C	Conductivit y (us or ms)	C	omments
1043	0.50	7.09 0.50	19.9709			16. brown	11.11
1045	0-50	1-00	7.09	19-7	3_ 77	16,010011	turbid
1048	0-50	1-50	7.11	14.5	3.40		
1051	0.50	2.00	7-12	19-4	3.44		
1054	1-50	7.50	7.17	19.4	3. 43		
Comments:	Dry	@ 2.5 gallo	ng It	brow n	throid	/	
		J					
Describe I	Deviations f	From SOP:					
Signature:	Gui.	inverse			Date:		12/1/2020
							12, 1, 2020



						T 970.3	885.1096
		Groundwater Monitoring TE090319008		. Pr	oject Location:		
rioje	ct Number.	1E090319008			Sampler:	Eric Carro	ll
	Sample ID:	MWO8			Matrix:	Groundwa	ter
	ample Date:			•:	Sample Time:		
		Hall Environmental		Shi	pping Method:	Hand Deli	very
	-	BTEX 8021					
Dept	th to Water:	54-50		Total	Depth of Well:	64.15	
	Time:			De	pth to Product:		
Method	er to Purge: of Purging: f Sampling:	Dedicated PVC Bailer Dedicated PVC Bailer	r	(height of w	vater column * 0.1631	for 2" well or 0.6	524 for 4" well) * 3 well vo
	Wel	T-4-137-1 D 1	TY	TT.			
Time	Vol. Removed	Total Vol. Removed (gallons)	pH	Temp.	Conductivit	C	Comments
20100			(std. units)	AT)C	y (us or ms)		
12:00	1-0	2-0	7.05	19-7	3-88	clear	c010/1899
	1-0	3. 3	7-31	19-4	3-76		
	1-0	4.2	7.13	19-1	3, 3 5, 73		
	10	42	7.13	19.2	2.74		
omments:	Clen	COIDVIESS	NO	Shean	mal		
				210011			
Describe D	eviations f	rom SOP:					
signature:	Este	Carroll !			Date:_		12/1/2020

## ENCLOSURE B – LABORATORY ANALYTICAL RESULTS



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

October 02, 2020

Brooke Herb

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413 TEL: (505) 632-4475

FAX:

RE: Florance 40 OrderNo.: 2009E38

#### Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/24/2020 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

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2009E38**Date Reported: **10/2/2020** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW07R

 Project:
 Florance 40
 Collection Date: 9/23/2020 11:15:00 AM

 Lab ID:
 2009E38-001
 Matrix: GROUNDWA
 Received Date: 9/24/2020 8:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: JMR
Benzene	1.1	1.0	μg/L	1	9/28/2020 3:30:07 AM	B72182
Toluene	ND	1.0	μg/L	1	9/28/2020 3:30:07 AM	B72182
Ethylbenzene	ND	1.0	μg/L	1	9/28/2020 3:30:07 AM	B72182
Xylenes, Total	6.4	1.5	μg/L	1	9/28/2020 3:30:07 AM	B72182
Surr: 1,2-Dichloroethane-d4	97.1	70-130	%Rec	1	9/28/2020 3:30:07 AM	B72182
Surr: Dibromofluoromethane	106	70-130	%Rec	1	9/28/2020 3:30:07 AM	B72182
Surr: Toluene-d8	103	70-130	%Rec	1	9/28/2020 3:30:07 AM	B72182

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

Page 1 of 5

Lab Order **2009E38**Date Reported: **10/2/2020** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW08

 Project:
 Florance 40
 Collection Date: 9/23/2020 11:55:00 AM

 Lab ID:
 2009E38-002
 Matrix: GROUNDWA
 Received Date: 9/24/2020 8:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: JMR
Benzene	ND	1.0	μg/L	1	9/28/2020 3:58:37 AM	B72182
Toluene	ND	1.0	μg/L	1	9/28/2020 3:58:37 AM	B72182
Ethylbenzene	ND	1.0	μg/L	1	9/28/2020 3:58:37 AM	B72182
Xylenes, Total	ND	1.5	μg/L	1	9/28/2020 3:58:37 AM	B72182
Surr: 1,2-Dichloroethane-d4	91.9	70-130	%Rec	1	9/28/2020 3:58:37 AM	B72182
Surr: Dibromofluoromethane	107	70-130	%Rec	1	9/28/2020 3:58:37 AM	B72182
Surr: Toluene-d8	105	70-130	%Rec	1	9/28/2020 3:58:37 AM	B72182

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

Page 2 of 5

# Analytical Report Lab Order 2009E38

Date Reported: 10/2/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW03R

 Project:
 Florance 40
 Collection Date: 9/23/2020 12:25:00 PM

 Lab ID:
 2009E38-003
 Matrix: GROUNDWA
 Received Date: 9/24/2020 8:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	: JMR
Benzene	ND	1.0	μg/L	1	9/28/2020 4:27:05 AM	B72182
Toluene	ND	1.0	μg/L	1	9/28/2020 4:27:05 AM	B72182
Ethylbenzene	ND	1.0	μg/L	1	9/28/2020 4:27:05 AM	B72182
Xylenes, Total	ND	1.5	μg/L	1	9/28/2020 4:27:05 AM	B72182
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	9/28/2020 4:27:05 AM	B72182
Surr: Dibromofluoromethane	107	70-130	%Rec	1	9/28/2020 4:27:05 AM	B72182
Surr: Toluene-d8	102	70-130	%Rec	1	9/28/2020 4:27:05 AM	B72182

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

Page 3 of 5

Lab Order **2009E38**Date Reported: **10/2/2020** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW06R

 Project:
 Florance 40
 Collection Date: 9/23/2020 12:50:00 PM

 Lab ID:
 2009E38-004
 Matrix: GROUNDWA
 Received Date: 9/24/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst	JMR
Benzene	3.7	2.0	D	μg/L	2	9/28/2020 4:28:40 PM	B72182
Toluene	ND	2.0	D	μg/L	2	9/28/2020 4:28:40 PM	B72182
Ethylbenzene	2.7	2.0	D	μg/L	2	9/28/2020 4:28:40 PM	B72182
Xylenes, Total	ND	3.0	D	μg/L	2	9/28/2020 4:28:40 PM	B72182
Surr: 1,2-Dichloroethane-d4	102	70-130	D	%Rec	2	9/28/2020 4:28:40 PM	B72182
Surr: Dibromofluoromethane	109	70-130	D	%Rec	2	9/28/2020 4:28:40 PM	B72182
Surr: Toluene-d8	101	70-130	D	%Rec	2	9/28/2020 4:28:40 PM	B72182

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

Page 4 of 5

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2009E38** 

02-Oct-20

Client: Harvest
Project: Florance 40

Sample ID: 100ng lcs2 Client ID: LCSW	·	ype: <b>LC</b>			tCode: <b>El</b> RunNo: <b>7</b> 2		8260: Volatile	es Short L	ist	
Prep Date:	Analysis D	Analysis Date: 9/27/2020 SeqNo: 2530707 U					Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	19	1.0	20.00	0	95.4	70	130			
Toluene	20	1.0	20.00	0	99.8	70	130			
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.1	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130			
Surr: Dibromofluoromethane	11		10.00		112	70	130			
Surr: Toluene-d8	10		10.00		101	70	130			

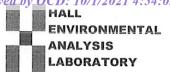
Sample ID: mb2	Sampl	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8260: Volatile	s Short L	ist	
Client ID: PBW	Batcl	h ID: <b>B7</b>	2182	F	RunNo: <b>7</b>	2182				
Prep Date:	Analysis D	Date: 9/	27/2020	9	SeqNo: 2	530708	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%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	9.7		10.00		96.8	70	130			
Surr: 4-Bromofluorobenzene	10	10 10.00			101 70					
Surr: Dibromofluoromethane	11	11 10.00			110	70	130			
Surr: Toluene-d8	10		10.00		103	70	130			

#### 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

Page 5 of 5



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

Clie	nt Name:	Harvest		Work	Order Nur	mber: 200	9E38			RcptNo	: 1
Rece	eived By:	Isaiah Or	tiz	9/24/20	20 8:30:00	) AM		I.	< C	4	
Com	pleted By:	Isaiah Or	tiz	9/24/20	20 9:02:25	5 AM		I.	C	24	
Revi	ewed By:	Em	9/24/2	Ø.							
<u>Cha</u>	in of Cus	tody									
1. Is	Chain of C	ustody comp	lete?			Yes	<b>V</b>	No		Not Present	
2. H	ow was the	sample deliv	vered?			Cou	rier				
Log	ı In										
		npt made to	cool the samp	les?		Yes	<b>✓</b>	No		NA 🗌	
4. W	ere all sami	oles received	l at a tempera	ture of >0° C	to 6.0°C	Yes	V	No		NA 🗆	
				itule of 20 C	10 0.0 C	res	V		_	NA L	
5. Sa	ample(s) in	proper conta	iner(s)?			Yes	<b>V</b>	No			
6. Su	ıfficient sam	iple volume f	or indicated te	est(s)?		Yes	<b>V</b>	No [			
7. Ar	e samples (	except VOA	and ONG) pro	operly preserve	ed?	Yes	<b>V</b>	No [			
8. W	as preserva	tive added to	bottles?			Yes		No [	<b>✓</b>	NA 🗆	
9. Re	eceived at le	ast 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes		No [	7	NA 🗸	
			ers received b			Yes		No	<b>V</b>		/
	,	p.o oomani	510 10001100 2	TOROTT:		103		110		# of preserved	
11. Do	es paperwo	ork match bot	ttle labels?			Yes	<b>V</b>	No [		bottles checked for pH:	
			ain of custody	-							12 unless noted)
12. Ar	e matrices o	correctly iden	tified on Chai	n of Custody?		Yes	<b>V</b>	No [		Adjusted?	
			ere requested	?		Yes	<b>V</b>	No [			0.000
		ng times able ustomer for a	e to be met? authorization.)			Yes	<b>V</b>	No L	_	Checked by:	5 PA 9.24.
Spec	ial Handl	ing (if app	olicable)								
				with this order?	•	Yes		No		NA 🗸	
	Person	Notified:		Antonio Consultation and St	Date	Personano	наванно	HUMBERS OF THE LIBERT STREET	manuscr.		
	By Who		I T		Date Via:	r	oil [	Phone	Fov	In Person	
	Regardi		1 	molecularity construction of the construction	via.		all _	_ riione	Fax	III Person	
		nstructions:	1	THE RESERVE AND PARTY OF THE PA	MATERIAL DESIGNATION OF THE PARTY OF THE PAR		TOTAL PROPERTY METAL	Name of the last of	isotor tertaga		
16. A	dditional rei										
17. <u>C</u>	Cooler Infor	A	Condition	Seal Intact	Seal No	Seal D	ate	Signed B	v		
	1	0.6	Good	Yes	OGAI INO	Geal D	aic	Signed b	ý		

Received by OCD: 10/1/201	4:54:03 PM		Page 53 of
MENT ORATO 87109 07	CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)	8	Date Time Remarks: CC: Sherbe Hanv.com  ) Share June  Date Time  3/24/10 0836
HALL ENVIRON ANALYSIS LABC www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 8 Tel. 505-345-3975 Fax 505-345-41	EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> S260 (VOA)		ccibhe
4901 Har	BTEX / MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's	B L	Remarks:
	ams  I No  HEAL NO.  HEAL NO.	200	1 1 01
Rush	Yes Yes servative servativ		via: Via:
Turn-Around Tim  Standard  Project Name:	Sampler: On Ice: # of Coolers: Cooler Temp Container Type and #	(5)	Received by:
Chain-of-Custody Record  ::   farvest	Container   Con	MWOFIZ MWOSR MWOGR	Time: Rejinquished by:  Hoy Time: Rejinquished by:  Received by:  Received by:  Via:  St. Counting
Anneat Moneat Itess: 155		12/12/12	Rejinquished by: Rejinquished by:
Chain-		8	Date: Time:  9-35-20-140-4 Date: Time:



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

March 10, 2020

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413 TEL: (505) 632-4475

FAX

RE: Florance 40 OrderNo.: 2003208

#### Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/5/2020 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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: 2003208

Date Reported: 3/10/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Lab Order: 2003208

**Project:** Florance 40

**Lab ID:** 2003208-001 **Collection Date:** 3/3/2020 3:00:00 PM

Client Sample ID: MW-3R Matrix: GROUNDWATER

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 8.2 5.0 3/9/2020 7:20:57 PM D67115 μg/L 5 Toluene ND 5.0 μg/L 5 3/9/2020 7:20:57 PM D67115 3/9/2020 7:20:57 PM Ethylbenzene 92 5.0 μg/L 5 D67115 Xylenes, Total 23 10 5 3/9/2020 7:20:57 PM D67115 μg/L Surr: 4-Bromofluorobenzene 105 80-120 %Rec 3/9/2020 7:20:57 PM D67115

 Lab ID:
 2003208-002
 Collection Date:
 3/3/2020 6:00:00 PM

 Client Sample ID:
 MW-6R
 Matrix:
 GROUNDWATER

Analyses Result RL Qual Units DF Date Analyzed Batch ID

**EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 4.7 1.0 μg/L 3/9/2020 8:55:02 PM D67115 1 Toluene ND 1.0 μg/L 1 3/9/2020 8:55:02 PM D67115 1.4 Ethylbenzene 1.0 D67115 μg/L 1 3/9/2020 8:55:02 PM Xylenes, Total ND 2.0 μg/L 1 3/9/2020 8:55:02 PM D67115 Surr: 4-Bromofluorobenzene 97.1 80-120 %Rec 3/9/2020 8:55:02 PM D67115

Lab ID:2003208-003Collection Date:3/3/2020 4:05:00 PMClient Sample ID:MW-7RMatrix:GROUNDWATER

RL Qual Units DF Date Analyzed Analyses Result **Batch ID EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 1 0 μg/L 3/9/2020 9:18:37 PM D67115 1 1 1 Toluene ND 1.0 μg/L 3/9/2020 9:18:37 PM D67115 Ethylbenzene 1.1 1.0 3/9/2020 9:18:37 PM D67115 μg/L 1 Xylenes, Total D67115 2.3 2.0 μg/L 1 3/9/2020 9:18:37 PM Surr: 4-Bromofluorobenzene 89.5 80-120 %Rec 3/9/2020 9:18:37 PM D67115

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

Page 1 of 3

Lab Order: 2003208

**C.** Date Reported: 3/10/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Lab Order: 2003208

**Project:** Florance 40

**Lab ID:** 2003208-004 **Collection Date:** 3/3/2020 5:00:00 PM

Client Sample ID: MW-8 Matrix: GROUNDWATER

Analyses	Result	RL Qu	ual Units	DF	<b>Date Analyzed</b>	Batch	ID
EPA METHOD 8021B: VOLATILES					Ana	ılyst: <b>NS</b>	SB
Benzene	ND	1.0	μg/L	1	3/9/2020 10:05:11	PM D6	67115
Toluene	ND	1.0	μg/L	1	3/9/2020 10:05:11	PM D6	57115
Ethylbenzene	ND	1.0	μg/L	1	3/9/2020 10:05:11	PM D6	57115
Xylenes, Total	ND	2.0	μg/L	1	3/9/2020 10:05:11	PM D6	57115
Surr: 4-Bromofluorobenzene	89.3	80-120	%Rec	1	3/9/2020 10:05:11	PM D6	67115

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

Page 2 of 3

#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2003208

10-Mar-20

**Client:** Harvest **Project:** Florance 40

Client ID:

LCSW

Sample ID: mb1 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBW Batch ID: **D67115** RunNo: 67115

Batch ID: **D67115** 

Prep Date: Analysis Date: 3/9/2020 SeqNo: 2311968 Units: µg/L

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

ND 1.0 Toluene ND 1.0 ND Ethylbenzene 1.0 Xylenes, Total ND 2.0

Surr: 4-Bromofluorobenzene 18 20.00 87.5 80 120

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Prep Date: Analysis Date: 3/9/2020 SeqNo: 2311969

Units: µg/L Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 20.00 18 1.0 n 88.88 80 120 Benzene Toluene 19 1.0 20.00 0 93.2 80 120 0 80 Ethylbenzene

RunNo: 67115

94.2 19 1.0 20.00 120 57 0 95.3 Xylenes, Total 2.0 60.00 80 120 Surr: 4-Bromofluorobenzene 18 20.00 91.5 80 120

Sample ID: 2003208-001ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: MW-3R Batch ID: **D67115** RunNo: 67115

Prep Date: Analysis Date: 3/9/2020 SeqNo: 2311975 Units: µg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 110 99.3 80 5.0 100.0 8.240 120 Benzene Toluene 100 5.0 100.0 1.660 99.7 80 120 S 100.0 120 80 120 Ethylbenzene 210 5.0 91.82 Xylenes, Total 340 10 300.0 23.33 105 68.3 130 Surr: 4-Bromofluorobenzene 110 100.0 112 80 120

TestCode: EPA Method 8021B: Volatiles Sample ID: 2003208-001amsd SampType: MSD

Client ID: MW-3R Batch ID: **D67115** RunNo: 67115

Prep Date: Analysis Date: 3/9/2020 SeqNo: 2311976 Units: µg/L SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual Benzene 100 5.0 100.0 8.240 92.5 80 120 6.53 20 Toluene 94 5.0 100.0 1.660 92.0 80 120 7.96 20 Ethylbenzene 200 5.0 100.0 91.82 106 80 120 6.89 20 Xylenes, Total 320 10 300.0 23.33 97.8 68.3 130 6.48 20 Surr: 4-Bromofluorobenzene 100.0 109 120 0 0 110 80

#### Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 3



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name:	Harvest		Work	Order Num	nber: <b>200</b> 3	3208		RcptNo	o: 1
Received By:	Yazmine (	Garduno	3/5/202	0 8:35:00 A	AM		nfagnin leftness	ž.	
Completed By:	Leah Bac	a	3/5/202	9:55:02 A	AM		rjagnin litjertuit Lauf Ba <i>e</i>		
Reviewed By:	ENM		3/5	120			Luirja		
Chain of Cus	tody								
1. Is Chain of C	ustody suffic	iently comple	te?		Yes	<b>V</b>	No 🗌	Not Present	
2. How was the	sample deliv	ered?			Clier	<u>nt</u>			
<u>Log In</u>									
3. Was an attern	npt made to o	cool the samp	les?		Yes	<b>✓</b>	No 🗌	NA 🗌	
4. Were all samp	ples received	at a tempera	ture of >0° C t	o 6.0°C	Yes	<b>V</b>	No 🗌	NA 🗆	
5. Sample(s) in	proper contai	iner(s)?			Yes	<b>~</b>	No 🗌		
6. Sufficient sam	nple volume f	or indicated to	est(s)?		Yes	<b>✓</b>	No 🗌		
7. Are samples (	except VOA	and ONG) pr	operly preserve	d?	Yes	<b>✓</b>	No 🗌		
8. Was preserva	tive added to	bottles?			Yes		No 🗸	NA 🗆	
9. Received at le	east 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🗹	
10. Were any san	nple containe	ers received b	roken?		Yes		No 🗸	# of preserved	
11 p							🗆	bottles checked	
<ol> <li>Does paperwo (Note discrepa</li> </ol>			)		Yes	V	No 🗌	for pH: (<2.0	r>12 unless noted)
12. Are matrices of			āli		Yes	<b>~</b>	No 🗌	Adjusted?	
13. Is it clear what	t analyses we	ere requested	?		Yes	<b>~</b>	No 🗌		
14. Were all holdii (If no, notify ci					Yes	<b>~</b>	No 🗌	Checked by:	DAD 3/5/20
Special Handl	ing (if app	olicable)							
15. Was client no			with this order?		Yes		No 🗌	NA 🗸	
Person	Notified:			Date	-	KNOWN JOSEPH CARRY	MANAGEMENT THE CONTRACTOR OF T		
By Who	om:			Via:	eMa	ail 🔲	Phone  Fax	☐ In Person	
Regard	ing:	STATE THE STATE OF	NAME AND POST OF A PARTY OF THE		WWW-RD WILDOWS SEE A REGULA	PA DISAK NASPADAN			
Client Ir	nstructions:	port promotion and an arrange to	*****************		MATERIAL COMMISSION COMISSION COMMISSION COMMISSION COMMISSION COMMISSION COMMISSION COM	alue Zache utvata			
16. Additional rea	marks:			2000 2011 202 200					
17. Cooler Infor	mation								
Cooler No	conflictive and an end of the en-	Condition	Seal Intact	Seal No	Seal Da	ate	Signed By		
1	3.4	Good	Yes						

Chain-of-Custody Record	Turn-Around Time:	Time:		<b>教</b>		5			-	Č					Receiv
Client: Harvest Midstrpam Company	Standard	□ Rush		-	- `	ANALYSTS		S	S	AB	ABORAT	TA	OR O	. >	ed by
Mailing Address: Des Alang	Project Name:    Project Name:	3			h.www	WW S	<u>a</u>	nviror	ment	www.hallenvironmental.com	F 0440				OCD:
\$7 E 12	Project #:			1084 101	L FOF 2	FOR 345 2075	1 1/	bnak	rerqu	e, NIV	Albuquerque, INM 87 109	n			10/1/
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email or Fax#: Khong & harvestmi betream .com	Project Manager	iger:			S,	S	03	too.		(juəs					4:54:0
© Standard	D	brooke Herb	lerb		PCB	WIS0	Od	'to 1		dA\tr					03 PN
Accreditation:   Az Compliance	Sampler: W	Mary Mr	ry Mrdknovich					NO5	(A	resei		7	9		1
EDD (Type)	# of Coolers:						00000		-	) w.					
//======	Cooler Temp(including CF):	(including CF):	4 (0)=34						_	olilo					
Date Time Matrix Sample Name	Container Type and #	Preservative Type	HEAL No.	(X3T8) 08:H9T	9 1808 FDB (N	sHA9	RCRA	Cl' E' E	2) 0728	O lstoT					
3/3/2 15:00 GW MW-3/2	(3) NOA	HCI	100-	<b>×</b>					11						
1 18:00   MM-6R		(	-002								-				
16:05 MW-7R		-	-003			Sell years						3.4			
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Date: Time: Relinquished by: 2	Received by:	Via:	5 S 2-0 ()83	3	10100 H	I	A.	2	3	zish	0				Page 59
, samples	ocontlacted to other a	ocredited laboratories	s. This serves as notice of this	possibility. A	ny sub-co	ntracted	data wil	be clea	rly notat	ted on th	ne analyti	cal repo	T.		of 77



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

June 17, 2020

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX

RE: Florance 40 OrderNo.: 2006535

#### Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/10/2020 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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/17/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW-3R

 Project:
 Florance 40
 Collection Date: 6/9/2020 1:11:00 PM

 Lab ID:
 2006535-001
 Matrix: GROUNDWA
 Received Date: 6/10/2020 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analys	t: <b>RAA</b>
Benzene	3.9	1.0	Р	μg/L	1	6/11/2020 12:35:30 PM	1 R69580
Toluene	ND	1.0	Р	μg/L	1	6/11/2020 12:35:30 PM	1 R69580
Ethylbenzene	71	1.0	Р	μg/L	1	6/11/2020 12:35:30 PM	1 R69580
Xylenes, Total	7.8	2.0	Р	μg/L	1	6/11/2020 12:35:30 PM	1 R69580
Surr: 4-Bromofluorobenzene	228	80-120	SP	%Rec	1	6/11/2020 12:35:30 PM	1 R69580

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

Page 1 of 5

Lab Order **2006535** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/17/2020

CLIENT: Harvest Client Sample ID: MW-6R

 Project:
 Florance 40
 Collection Date: 6/9/2020 12:50:00 PM

 Lab ID:
 2006535-002
 Matrix: GROUNDWA
 Received Date: 6/10/2020 8:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	1.9	1.0	μg/L	1	6/11/2020 1:22:38 PM	R69580
Toluene	ND	1.0	μg/L	1	6/11/2020 1:22:38 PM	R69580
Ethylbenzene	ND	1.0	μg/L	1	6/11/2020 1:22:38 PM	R69580
Xylenes, Total	ND	2.0	μg/L	1	6/11/2020 1:22:38 PM	R69580
Surr: 4-Bromofluorobenzene	110	80-120	%Rec	1	6/11/2020 1:22:38 PM	R69580

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

Page 2 of 5

**CLIENT:** Harvest

## **Analytical Report**

Lab Order **2006535**Date Reported: **6/17/2020** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: MW-7R

**Project:** Florance 40 **Collection Date:** 6/9/2020 1:40:00 PM

**Lab ID:** 2006535-003 **Matrix:** GROUNDWA **Received Date:** 6/10/2020 8:10:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analysi	:: RAA
Benzene	2.1	1.0	μg/L	1	6/11/2020 1:46:14 PM	R69580
Toluene	ND	1.0	μg/L	1	6/11/2020 1:46:14 PM	R69580
Ethylbenzene	5.1	1.0	μg/L	1	6/11/2020 1:46:14 PM	R69580
Xylenes, Total	18	2.0	μg/L	1	6/11/2020 1:46:14 PM	R69580
Surr: 4-Bromofluorobenzene	113	80-120	%Rec	1	6/11/2020 1:46:14 PM	R69580

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

Page 3 of 5

Lab Order **2006535**Date Reported: **6/17/2020** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW-8

 Project:
 Florance 40
 Collection Date: 6/9/2020 12:25:00 PM

 Lab ID:
 2006535-004
 Matrix: GROUNDWA
 Received Date: 6/10/2020 8:10:00 AM

**Analyses** Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 1.0 μg/L 6/11/2020 2:09:52 PM R69580 Toluene ND 1.0 μg/L 6/11/2020 2:09:52 PM R69580 Ethylbenzene ND 1.0 μg/L 6/11/2020 2:09:52 PM R69580 Xylenes, Total ND 2.0 μg/L 6/11/2020 2:09:52 PM R69580 Surr: 4-Bromofluorobenzene 104 80-120 %Rec 6/11/2020 2:09:52 PM R69580

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

- 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

Page 4 of 5

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2006535** 

17-Jun-20

Client: Harvest
Project: Florance 40

Sample ID: 100ng btex lcs	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW	Batcl	n ID: <b>R6</b>	9580	F	RunNo: 6	9580				
Prep Date:	Analysis D	Date: 6/	11/2020	5	SeqNo: 24	415161	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	80	120			
Toluene	20	1.0	20.00	0	102	80	120			
Ethylbenzene	20	1.0	20.00	0	101	80	120			
Xylenes, Total	61	2.0	60.00	0	101	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		107	80	120			

Sample ID: MB	SampT	ype: <b>M</b>	BLK	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBW	Batch	n ID: <b>R6</b>	9580	F	RunNo: 6	9580				
Prep Date:	Analysis D	oate: 6/	11/2020	8	SeqNo: 2	415176	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		106	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

- 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

Page 5 of 5



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

Clie	ent Name:	Harvest		Work	Order Nun	nber: 2006535	j	RcptNo:	1
Rec	eived By:	Scott And	lerson	6/10/20	20 8:10:00	АМ			
Con	npleted By:	Jugn Roja	as	6/10/20	20 11:10:3	3 AM	Glans &		
Rev	iewed By:	20		6110	120				
<u>Cha</u>	in of Cust	ody							
1. Is	s Chain of Cu	stody comp	lete?			Yes 🗸	No 🗌	Not Present	
2. H	low was the s	sample deliv	rered?			Courier			
Log	g In								
		ot made to d	cool the sampl	es?		Yes 🗸	No 🗌	NA 🗌	
4. W	ere all samp	les received	at a temperat	ture of >0° C	to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. s	ample(s) in p	roper conta	iner(s)?			Yes 🗸	No 🗌		
6. St	ufficient samp	ole volume f	or indicated te	st(s)?		Yes 🗸	No 🗌		
7. Ar	e samples (e	xcept VOA	and ONG) pro	perly preserve	ed?	Yes 🗸	No 🗌		
8. W	as preservati	ve added to	bottles?			Yes	No 🗸	NA 🗌	
9. Re	eceived at lea	ast 1 vial wit	h headspace ·	<1/4" for AQ V	OA?	Yes 🗸	No 🗌	NA 🗌	70
10. W	ere any sam	ple containe	ers received br	oken?		Yes	No 🗸	# of preserved	110/3
11 5								bottles checked	6/10/60
	oes paperwor ote discrepar		tle labels? ain of custody)			Yes 🗸	No 🗀	for pH: (<2 or	>12 unless noted)
			tified on Chair			Yes 🗸	No 🗌	Adjusted?	
13. ls	it clear what	analyses we	ere requested?	?		Yes 🗸	No 🗌		
	ere all holding no, notify cus					Yes 🗸	No 🗌	Checked by:	
	ial Handlii								
15. W	as client noti	fied of all di	screpancies w	ith this order?		Yes	No 🗌	NA 🗸	
	Person N	Notified:			Date				
	By Whon	n:			Via:	eMail [	Phone Fax	☐ In Person	
	Regardin	g:							
	Client Ins	structions:							
16. A	dditional rem	arks:				150			
17. <u>c</u>	ooler Inform	nation							
	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
	1	4.1	Good					1	

Release	hain	-of-C	Chain-of-Custody Record	Turn-Around Time:	Time:				-				Č	Č			Receive
Client:		Harvest	Four corners	⊠ Standard	□ Rush				L @	ANAL					MIC NR/A	AMEL ENVIRONMENTAL ANALYSTS LABORATORY	
Ima	1	0110	HOF	Project Name:						, WWW	neller	/iron	www.hallenvironmental.com				
Mailing	Mailing Address:	1756	S Arroyo Dr.	Florance	oh 3			4901	4901 Hawkins NE	ns NE		endane	Albuquerane. NM 87109	MN	37109		<b>):</b> 10,
1/3/2	Bla	3 (com Field		Project #:				Tel. 5	505-345-3975	5-397		Fax	505-345-4107	45-41	07		/1/20
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emailo	email or Fax#: Kho	Khonaa	norvest midstream-com	Project Manager	ger:			(0			<sup>†</sup> O:			(ĵu			:54:
OA/QC	OA√QC Package:  ☑ Standard		☐ Level 4 (Full Validation)	Brooke	e Herb			000000000000000000000000000000000000000		SMIS	PO₄, S		1071	əsdAV			:03 PM
Accreditation:	itation: AC	□ Az Cor	Az Compliance Other	Sampler: F	. Carrell	ON C								neser			
	EDD (Type)			# of Coolers: 4-7	40-07	11.11		10 31						) w.	ı		
				Cooler Temp(including CF):	including CF): 4.	2-0. (= 4.1 (°C)		50%				(AOV		101110	* ± F		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO.	X∃T8	8:H9T 7 1808	EDB (I	sHA9	RCRA Cl, F,	9280 (	9 0728	Total C			
99	13/1	Ch	MW-3R	3 VOA	HC1	100	) X										
E	1256	Amazone	MW-GR			200-	_										
	1340		MW-7R		,	2007											
>)	1835	>1	MW-8	<b>&gt;</b> )	<b>√</b>	400	<i>⇒</i> )										
						3											
															-		
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								+		+	-			-			
										+				-			
Date:	Time:	Relinquished by:	led by:	by:	Via:	Date Time	Remarks:	rks:						-	1		-
6/0	1840	n	es Cartin	3	12	9/2023											Pa
Date:	Ime:	Relinquished by:	quished by:	Received by:	215	Date Time 6. (0, 20 8.'(0	<b>D</b>	eccuroil@ItemV.com	wo	© ==	5	7.	MOS				ige 67 oj
-	If necessary,	, samples suk	tall Enviro	ontracted to other ac	credited laboratorie	es. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	s possibili	ty. Any s	sub-cont	acted d	ata will b	e clearly	notated	on the	analytica	l report.	77



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

December 11, 2020

Brooke Herb

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Florance 40 OrderNo.: 2012091

#### Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/2/2020 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

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 12/11/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW07

 Project:
 Florance 40
 Collection Date: 12/1/2020 11:00:00 AM

 Lab ID:
 2012091-001
 Matrix: GROUNDWA
 Received Date: 12/2/2020 8:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	1.9	1.0	μg/L	1	12/4/2020 6:59:00 PM	SL73796
Toluene	ND	1.0	μg/L	1	12/4/2020 6:59:00 PM	SL73796
Ethylbenzene	3.1	1.0	μg/L	1	12/4/2020 6:59:00 PM	SL73796
Xylenes, Total	15	1.5	μg/L	1	12/4/2020 6:59:00 PM	SL73796
Surr: 1,2-Dichloroethane-d4	99.9	70-130	%Rec	1	12/4/2020 6:59:00 PM	SL73796
Surr: 4-Bromofluorobenzene	93.6	70-130	%Rec	1	12/4/2020 6:59:00 PM	SL73796
Surr: Dibromofluoromethane	109	70-130	%Rec	1	12/4/2020 6:59:00 PM	SL73796
Surr: Toluene-d8	97.9	70-130	%Rec	1	12/4/2020 6:59:00 PM	SL73796

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

Page 1 of 6

Date Reported: 12/11/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW03R

 Project:
 Florance 40
 Collection Date: 12/1/2020 11:20:00 AM

 Lab ID:
 2012091-002
 Matrix: GROUNDWA
 Received Date: 12/2/2020 8:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	st: CCM
Benzene	ND	1.0	μg/L	1	12/4/2020 8:11:00 PM	SL73796
Toluene	ND	1.0	μg/L	1	12/4/2020 8:11:00 PM	SL73796
Ethylbenzene	14	1.0	μg/L	1	12/4/2020 8:11:00 PM	SL73796
Xylenes, Total	1.6	1.5	μg/L	1	12/4/2020 8:11:00 PM	SL73796
Surr: 1,2-Dichloroethane-d4	98.7	70-130	%Rec	1	12/4/2020 8:11:00 PM	SL73796
Surr: 4-Bromofluorobenzene	85.9	70-130	%Rec	1	12/4/2020 8:11:00 PM	SL73796
Surr: Dibromofluoromethane	110	70-130	%Rec	1	12/4/2020 8:11:00 PM	SL73796
Surr: Toluene-d8	118	70-130	%Rec	1	12/4/2020 8:11:00 PM	SL73796

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

Page 2 of 6

Date Reported: 12/11/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW06R

 Project:
 Florance 40
 Collection Date: 12/1/2020 11:45:00 AM

 Lab ID:
 2012091-003
 Matrix: GROUNDWA
 Received Date: 12/2/2020 8:00:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analys	:: ССМ
Benzene	5.4	1.0	μg/L	1	12/4/2020 8:35:00 PM	SL73796
Toluene	ND	1.0	μg/L	1	12/4/2020 8:35:00 PM	SL73796
Ethylbenzene	9.6	1.0	μg/L	1	12/4/2020 8:35:00 PM	SL73796
Xylenes, Total	ND	1.5	μg/L	1	12/4/2020 8:35:00 PM	SL73796
Surr: 1,2-Dichloroethane-d4	98.2	70-130	%Rec	1	12/4/2020 8:35:00 PM	SL73796
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	12/4/2020 8:35:00 PM	SL73796
Surr: Dibromofluoromethane	109	70-130	%Rec	1	12/4/2020 8:35:00 PM	SL73796
Surr: Toluene-d8	112	70-130	%Rec	1	12/4/2020 8:35:00 PM	SL73796

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

- 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

Page 3 of 6

Date Reported: 12/11/2020

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest Client Sample ID: MW08

 Project:
 Florance 40
 Collection Date: 12/1/2020 12:15:00 PM

 Lab ID:
 2012091-004
 Matrix: GROUNDWA
 Received Date: 12/2/2020 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST					Analyst	CCM
Benzene	ND	1.0	μg/L	1	12/4/2020 8:58:00 PM	SL73796
Toluene	ND	1.0	μg/L	1	12/4/2020 8:58:00 PM	SL73796
Ethylbenzene	ND	1.0	μg/L	1	12/4/2020 8:58:00 PM	SL73796
Xylenes, Total	ND	1.5	μg/L	1	12/4/2020 8:58:00 PM	SL73796
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	12/4/2020 8:58:00 PM	SL73796
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	12/4/2020 8:58:00 PM	SL73796
Surr: Dibromofluoromethane	110	70-130	%Rec	1	12/4/2020 8:58:00 PM	SL73796
Surr: Toluene-d8	91.8	70-130	%Rec	1	12/4/2020 8:58:00 PM	SL73796

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
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- 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

Page 4 of 6

## **QC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2012091** 

11-Dec-20

Client: Harvest
Project: Florance 40

Sample ID: 100ng Ics	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8260: Volatile	s Short L	ist	
Client ID: LCSW	Batch	n ID: SL	73796	F	RunNo: <b>7</b> :	3796				
Prep Date:	Analysis D	ate: 12	2/4/2020	S	SeqNo: 20	601397	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	20	1.0	20.00	0	97.6	70	130			
Surr: 1,2-Dichloroethane-d4	9.4		10.00		94.1	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.5	70	130			
Surr: Dibromofluoromethane	10		10.00		99.7	70	130			
Surr: Toluene-d8	9.2		10.00		91.7	70	130			

Sample ID: mb	SampT	ype: <b>ME</b>	3LK	Tes	tCode: El	PA Method	8260: Volatile	s Short L	.ist	
Client ID: PBW	Batch	n ID: SL	73796	F	RunNo: <b>7</b> :	3796				
Prep Date:	Analysis D	ate: 12	2/4/2020	S	SeqNo: 20	601606	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0		<u> </u>						
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	9.7		10.00		97.4	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		96.1	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.3		10.00		92.8	70	130			

Sample ID: 2012091-001ams	Samp	Гуре: М	3	Tes	TestCode: EPA Method 8260: Volatiles Short List					
Client ID: MW07	Batc	h ID: SL	73796	F	RunNo: <b>7</b> :	3796				
Prep Date:	Analysis [	Date: 12	2/4/2020	8	SeqNo: 2	601633	Units: µg/L			
Analyte	Analyte Result PQL SPK value S		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	25	1.0	20.00	1.904	117	70	130			
Toluene	20	1.0	20.00	0	99.8	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		101	70	130			
Surr: 4-Bromofluorobenzene	9.8		10.00		98.0	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.9		10.00		99.4	70	130			

Sample ID: 2012091-001amsd	ype: <b>MS</b>	SD	Tes	tCode: El	PA Method	8260: Volatile	s Short L	ist		
Client ID: MW07	Batch	ID: SL	73796	F	tunNo: <b>7</b> :	3796				
Prep Date:	Analysis D	ate: 12	2/4/2020	S	SeqNo: 20	601634	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	24	1.0	20.00	1.904	109	70	130	6.09	20	
Toluene	19	1.0	20.00	0	94.1	70	130	5.88	20	

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

Page 5 of 6

## **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2012091** *11-Dec-20* 

Client: Harvest
Project: Florance 40

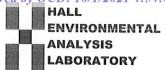
Sample ID: 2012091-001amsd SampType: MSD TestCode: EPA Method 8260: Volatiles Short List Client ID: MW07 Batch ID: SL73796 RunNo: 73796 Prep Date: Analysis Date: 12/4/2020 SeqNo: 2601634 Units: µg/L Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: 1,2-Dichloroethane-d4 10 10.00 100 70 130 0 0 Surr: 4-Bromofluorobenzene 9.1 10.00 91.1 70 130 0 0 0 Surr: Dibromofluoromethane 10.00 109 70 0 11 130 Surr: Toluene-d8 9.9 99.4 70 130 0 0 10.00

#### 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

Page 6 of 6



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 Nun	nber: 2012091		RcptNo: 1	
Received By:	Juan Rojas	12/2/2020 8:00:00	АМ	fleavenly		
Completed By		12/2/2020 9:13:18				
Reviewed By:		12/2/20	Zuvi			
rioriorioa by:	10	12/2/20				
Chain of Cu	<u>ıstody</u>					
1. Is Chain of	Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was th	e sample delivered?		Courier			
LogIn						
Log In  3. Was an atte	empt made to cool the sa	mnles?	Yes 🗸	No 🗌	NA 🗌	
			103		NA L	
4. Were all sar	mples received at a temp	erature of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌	
5 (2				$\Box$		
o. Sample(s) II	n proper container(s)?		Yes 🗸	No 📙		
6. Sufficient sa	imple volume for indicate	ed test(s)?	Yes 🗸	No 🗌		
7. Are samples	(except VOA and ONG)	properly preserved?	Yes 🗸	No 🗌		
8. Was preserv	vative added to bottles?		Yes	No 🗸	NA 🗌	
9. Received at	least 1 vial with headspa	ice <1/4" for AQ VOA?	Yes 🗸	No 🗌	NA 🗌	
10. Were any sa	ample containers receive	d broken?	Yes	No 🗸		
5.17					# of preserved bottles checked	
	work match bottle labels? pancies on chain of cust		Yes 🗸	No 🗌	for pH:	2 unless noted)
	s correctly identified on C		Yes 🗸	No 🗆	Adjusted?	uness noted)
	nat analyses were reques	•	Yes 🗸	No 🗌		
14. Were all hold	ding times able to be me	t?	Yes 🗸	No 🗌	Checked by: JR	12/2/2
(If no, notify	customer for authorization	on.)				1 10
Special Hand	dling (if applicable)					
15. Was client r	notified of all discrepanci	es with this order?	Yes	No 🗌	NA 🗹	
Perso	n Notified:	Date	e: [	and the second s		
By Wi	hom:	Via:	eMail F	Phone  Fax [	In Person	
Regar	rding:	AND	Annual and a second succession of the second			
Client	Instructions:				The state of the s	
16. Additional r	remarks:					
17. Cooler Info	<u>ormation</u>					
Cooler N	lo Temp °C Conditi	on Seal Intact Seal No	Seal Date	Signed By		
1	0.2					
2	0.1					

Rele	ain-of-	Ş	Chain-of-Custody Record	Turn-Around Time:	Time:												Rece
Client		5							Ī	HALL	Z	VIR	0	MM	ENVIRONMENTAL		ive
ad to	YOU VES 6		Four Comers	以 Standard	□ Rush						NS.	U	AB	OR	ANALYSTS LABORATORY	7	d b
Ima	Kijun		Han	Project Name:				144	}		www.hallenvironmental.com	nment				! !	v <b>0</b> 0
Mailing Ad	dress:			Flarance	ce 40		4	901 H	4901 Hawkins NE	NE.	Albug	neran	e NN	Albuquerque, NM 87109			CD: 1
g: 1/:				Project #:				rel. 50	Tel. 505-345-3975	-3975	Fax	505	505-345-4107	107			0/1/
3/20 3/20										٩	Analysis	s Request	uest				202
email or Fax#:	:#XI			Project Manager:	ger:						(,(	(#.					4:5
:81:17	kage:		:	Brooke	re Herb	- WSP				(SV	JS 7C						4:03
Standard 7	ا		☐ Level 4 (Full Validation)							VIS	)d '						PM
W Accreditation ✓ NELAP		Other		Sampler: R	F. Carroll	(WSP)					ON			(,			(N -
□ EDD (Type)				Ten	perature:					0.9				√ΟΛ			ю Y)
Date	Time Matrix	trix	Sample Request ID	Container Type and #	Preservative / Type	HEAL NO. 20(2091	BTEX + MTI	TPH 8015B	TPH (Metho	EDB (Metho	RCRA 8 Me Anions (F,C	8081 Pestici	40V) 80628	-imə2) 0728		111 G .V	Air Bubbles
13// 116	1100 GW		MWO7	3 100	HC!	100								1.5	in the second		
://	00:11		MWO3R	_	_	002	×								5		
1/	11:45	1- 1	MWOGR			003	×				2 :	7=					
>1	13:15 *		MWOS	$\geqslant$ I	K	500	×										ПТ
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	+											=======================================		7 8	1	1	$\neg$
												-				1	Т
												- 1		1	7 -		
														1	1		
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13/1   134	Q	Kelinquished by:	oy:	Received by:	back	12/1/120 1346	Remarks:	.s.		75.0	10.75	44	Su co	3-0.	250.	tones.	1
Date: Time:	Re	Relinquished by:	ilinquished by:	Received)by:	(Aur. ser	Date Time	-	Hease	9	Ü,	60°C.	Carroll	3 110	55	COM		Page 76
If neck	ssary, samples	s submit	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	intracted to other ac	credited laboratorie	ss. This serves as notice of this	possibility.	Any su	o-contrac	ted data	vill be cle	arly notat	ed on th	e analytic	al report.		<b>ef</b> 7:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 53572

#### **CONDITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	53572
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 Annual Groundwater Report: Content satisfactory 1. Continue with future work as stated within 2020 Annual Groundwater Report. a. Continued groundwater sampling on a quarterly basis in monitoring wells MW03R, MW04, MW06R, MW07R, and MW08 b. Continue quarterly sampling until BTEX concentrations do not exceed NMWQCC standards for eight consecutive quarters c. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022	1/3/2022