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REVIEWED
By Mike Buchanan at 11:22 am, Apr 23, 2025

March 19, 2025

New Mexico Oil Conservation Division
New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Reviw of the 2024 Annual Groundwater Monitoring Report for Florance #40: content satisfactory for receipt, but not for closure.
1. If Harvest Four Corners has met the rule and requirements for closure and abatement termination in 19.15.30 NMAC, please submit a stand-alone abatement termination report to OCD via the groundwater OCD portal. (If one has not already been submitted for the incident).
2. The 2024 annual groundwater report has been accepted for the record. The abatement completion report will be under review for determination.

Re: 2024 Annual Groundwater Monitoring Report
Florance #40
San Juan County, New Mexico
Harvest Four Corners, LLC
Remediation Permit Number: 3RP-315-0
NMOCD Incident Number: nAUTOfAB000190

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC his detailed report for activities conducted at the Florance #40 (Site), Ren ber 3RP-315-0, Incident Number: nAUTOfAB000190, between January a The scope of work for this project included quarterly monitoring of petroleum to groundwater resulting from the operation of a former earthen sep ner dehydrator pit.

LOCATION

The Site is located at latitude 36.799827˚ and longitude -107.678573 21, Township 30 North, Range 8 West, near Gobernador Canyon in the San an County, New Mexico (Figure 1).

HISTORY

Previous reports submitted to the New Mexico Oil Conservation Division (NMOCD) detail the Site history, original release information and groundwater monitoring and remediation activities since the incident origination in 1996. Reports submitted to the NMOCD over the lifetime of this incident can be found on the NMOCD online database.

NMOCD comments on the *2022 Annual Groundwater Monitoring Report*, dated March 30, 2023, requested additional information on groundwater abatement responsibilities previously defined at the Site. According to a letter from the NMOCD addressed to the previous owner, Public Service Company of New Mexico (PNM), dated December 30, 1997, the NMOCD defined soil and groundwater abatement responsibilities as follows; Amoco Production Company (Amoco) was responsible for remediation of soil and groundwater contamination downgradient of the former earthen separator pit and PNM was responsible for groundwater contamination downgradient of the former dehydrator pit. Correspondence detailing the applicable cleanup responsibilities is included in Appendix A.

All remediation responsibilities that were originally assigned to Amoco are now the responsibility of IKAV Energy Inc (IKAV), (formerly BP America Production Company). Remediation responsibilities that were assigned to PNM were subsequently transferred to Williams Four Corners, LLC (Williams), and are now the responsibility of Harvest. The interpreted line defining IKAV's and Harvest's remediation responsibilities and the locations of the former pits are presented on Figures 2 through 5.

SITE GROUNDWATER CLEANUP STANDARDS

Per Title 19, Chapter 15, Part 30, Section 10 (19.15.30.10) of the New Mexico Administrative Code (NMAC), *Modification of Abatement Standards*, the abatement standards listed in the *Proposed Groundwater Delineation* Work Plan, dated July 14, 2017, and approved by the NMOCD on July 24, 2017, apply for the duration of the abatement action at this Site. Therefore, the following standards are presented for the constituents of concern (COCs) at the Site:

- Benzene: 10 µg/L
- Toluene: 750 µg/L
- Ethylbenzene: 750 µg/L
- Total Xylenes: 620 µg/L

Annual groundwater monitoring reports submitted to the NMOCD between 2020 and 2023 listed the groundwater abatement standards of 5 µg/L benzene, 1,000 µg/L toluene, 700 µg/L ethylbenzene, and 620 µg/L total xylenes, which were updated in 20.6.2.3103 NMAC in December 2018. However, the 2018 updated standards do not apply to this site in accordance with 19.15.30.10 NMAC, and the applicable abatement standards in place at the time of the Work Plan approval should be applied for the duration of remediation activities at this Site.

METHODOLOGY

Ensolum continued to conduct quarterly groundwater monitoring activities at the Site in March, June, September, and December of 2024. Groundwater elevations were recorded from IKAV monitoring wells AMOCO, MW01, and MW05, and groundwater elevations and groundwater samples were collected from Harvest's monitoring wells MW03R, MW04, MW06R, MW07R, and MW08 during each quarterly event. MW04 was dry or contained insufficient water to collect groundwater samples during all quarterly events.

Groundwater elevation monitoring included recording depth to groundwater measurements in all existing wells with an oil/water interface probe. The interface probe was decontaminated with Alconox® soap and rinsed with distilled water prior to each measurement. Ensolum used existing top-of-casing well elevations to draft groundwater contours and determine groundwater flow direction. Contours were inferred based on groundwater elevations and physical characteristics at the Site. These data are summarized in Table 1 and depicted on Figures 2 through 5.

Groundwater from each monitoring well was purged and sampled using a disposable bailer. Purging was accomplished by removing stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters, including temperature, pH, and electrical conductivity were collected during the purging process. Groundwater parameters recorded during the 2024 sampling events are summarize in Table 2.

Following well purging, groundwater samples were placed directly into laboratory-provided containers and labeled with the date and time of collection, well designation, project name, sample collector's name, and parameters to be analyzed. Containers were immediately sealed and packed on ice to preserve samples. Samples were submitted to Eurofins Environment Testing

(Eurofins), in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) following United State Environmental Protection Agency (EPA) Method 8021B. Proper chain-of-custody procedures were followed documenting the date and time sampled, sample number, type of sample, sample collector's name, preservative used, analyses required, and sample collector's signature.

RESULTS

Depth to groundwater data collected during the March, June, September, and December 2024 monitoring events are summarized in Table 1. Groundwater flow direction was generally south and is depicted on Figures 2 through 5. No measurable PSH was detected in any of the monitoring wells within Harvest's responsibility. Monitoring well MW04 had insufficient water to sample during all 2024 groundwater monitoring events.

All groundwater analytical results continue to be in compliance with the applicable NMWQCC standards for BTEX during 2024. Table 3 summarizes groundwater analytical results, and the complete laboratory analytical reports are included in Appendix B.

CONCLUSION

Laboratory analytical results indicate that quarterly groundwater samples from all sampled monitoring wells have been in compliance with the applicable NMWQCC standards for BTEX throughout 2024. In addition, groundwater samples from all monitoring wells have been in compliance with the applicable NMWQCC standards for over eight consecutive quarters, which meet the regulatory requirements for subsurface water abatement completion listed in 19.15.30.9 (D) NMAC. Therefore, Harvest requests approval to cease groundwater monitoring activities at this Site. Quarterly groundwater monitoring will continue pending approval of this report from NMOCD.

Ensolum appreciates the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC

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Senior Managing Geologist
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bherb@ensolum.com

Attachments:

Figure 1: Site Location Map
Figure 2: Groundwater Elevation and Analytical Results (March 2024)
Figure 3: Groundwater Elevation and Analytical Results (June 2024)
Figure 4: Groundwater Elevation and Analytical Results (September 2024)
Figure 5: Groundwater Elevation and Analytical Results (December 2024)

Table 1: Groundwater Elevation
Table 2: Field Parameters
Table 3: Groundwater Analytical Results

Appendix A: Remediation Responsibilities
Appendix B: Laboratory Analytical Reports

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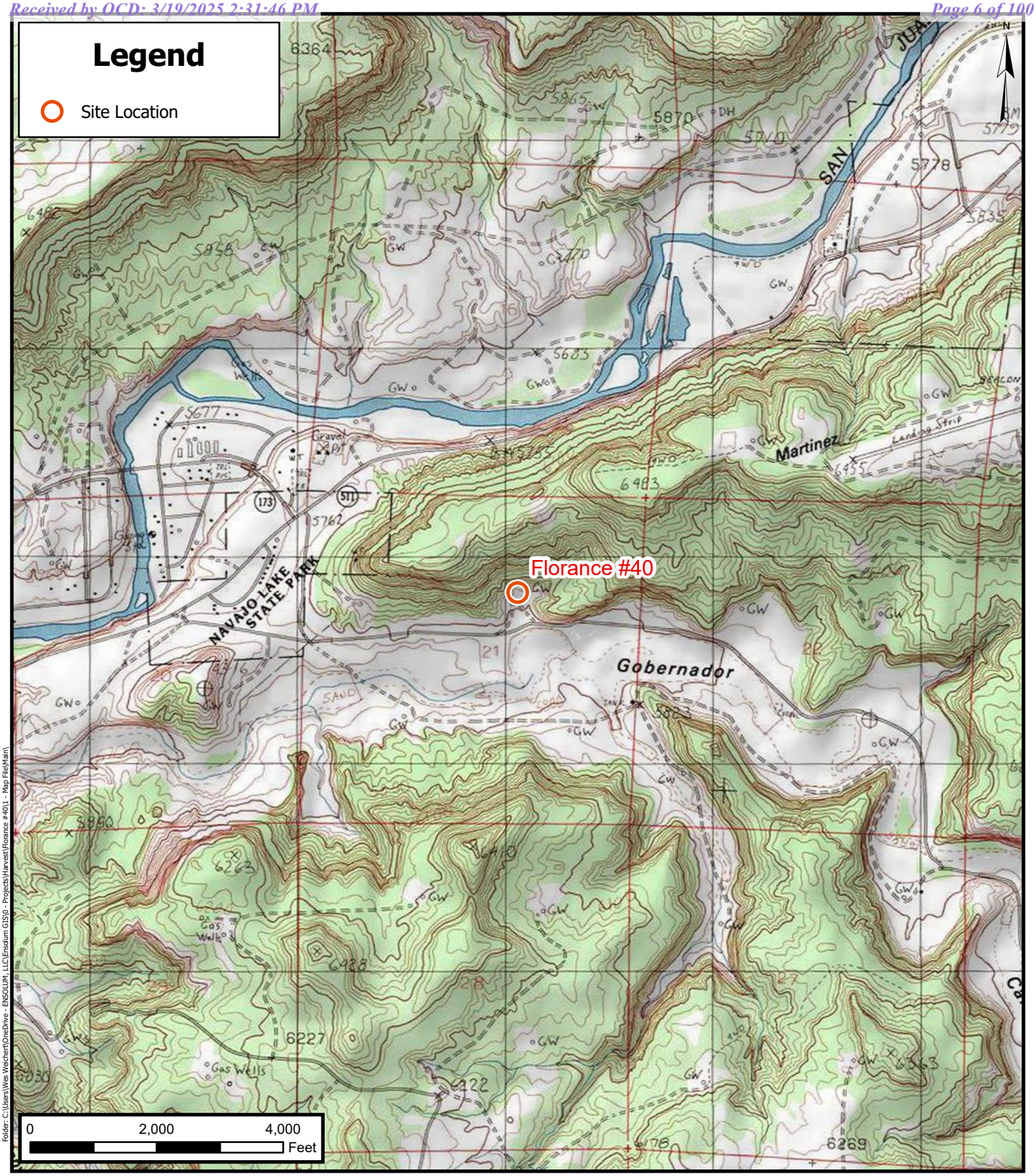
FIGURES



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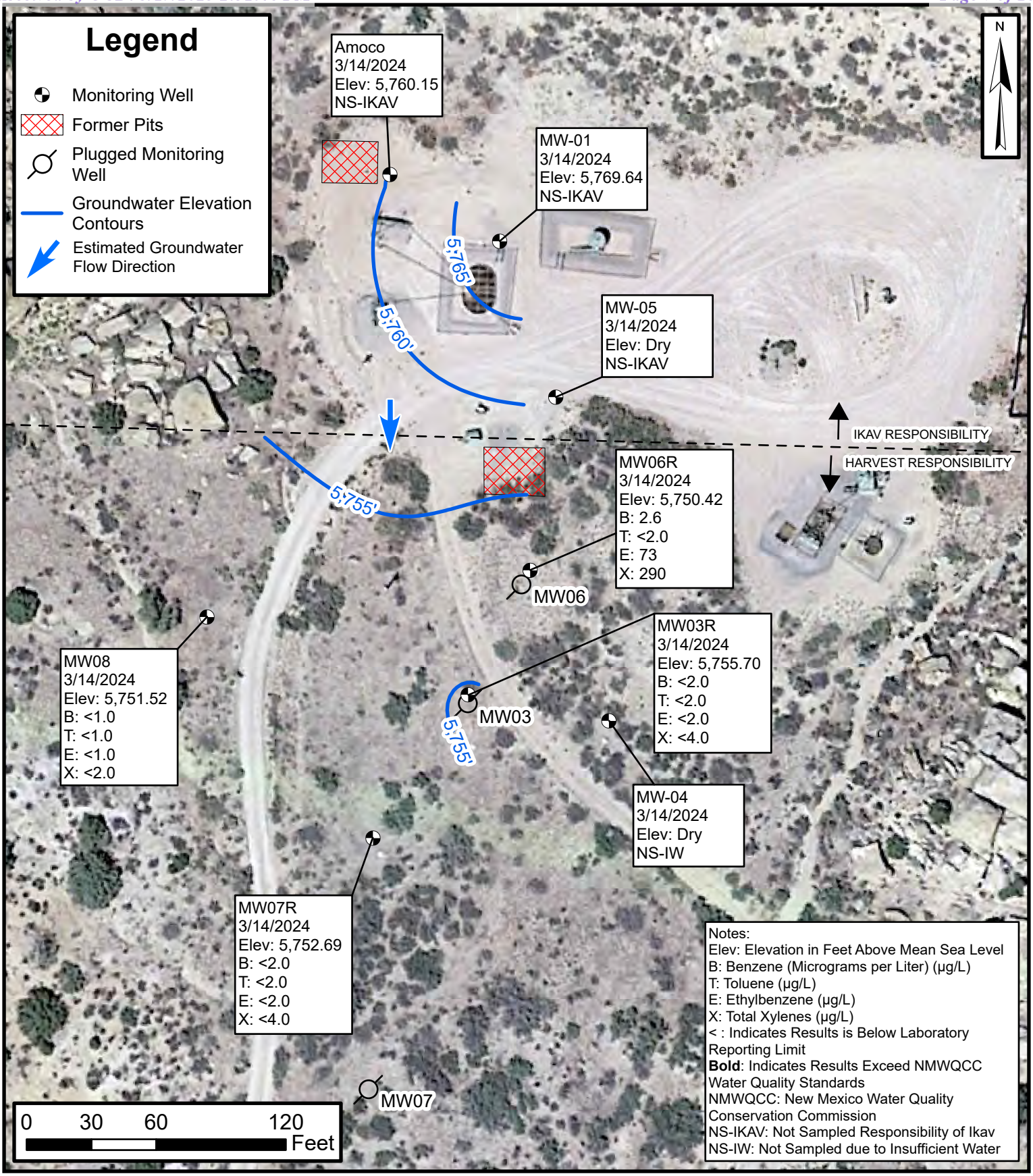
Site Location Map

Harvest Four Corners, LLC
Florance #40
Incident Number: nAUTOfAB000190
Unit G, Sec 21, T 30N, R 8W
San Juan County, New Mexico, United States

FIGURE 1



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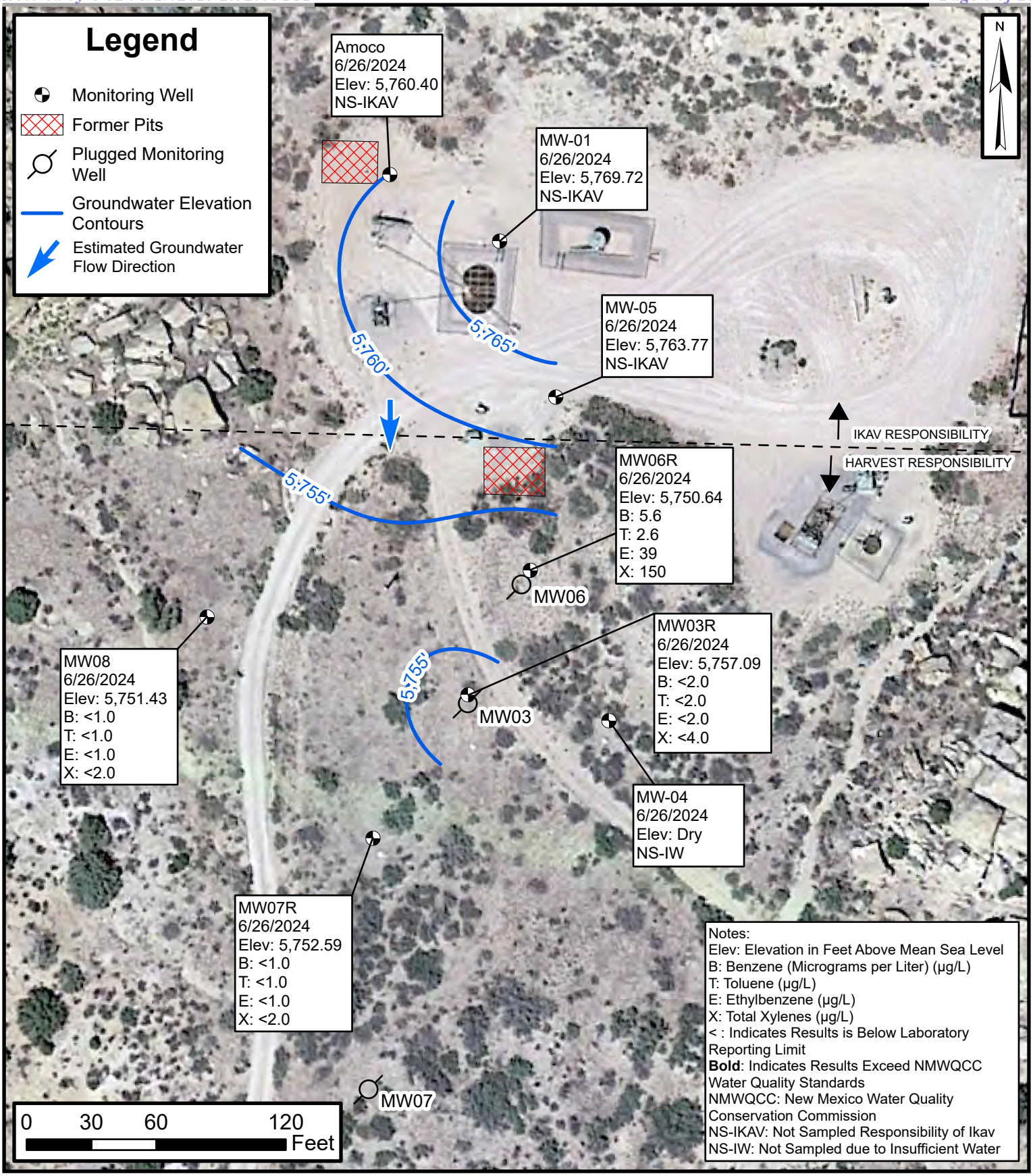
Groundwater Elevation and Analytical Results (March 2024)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
2

Sources: Google Earth (2022)



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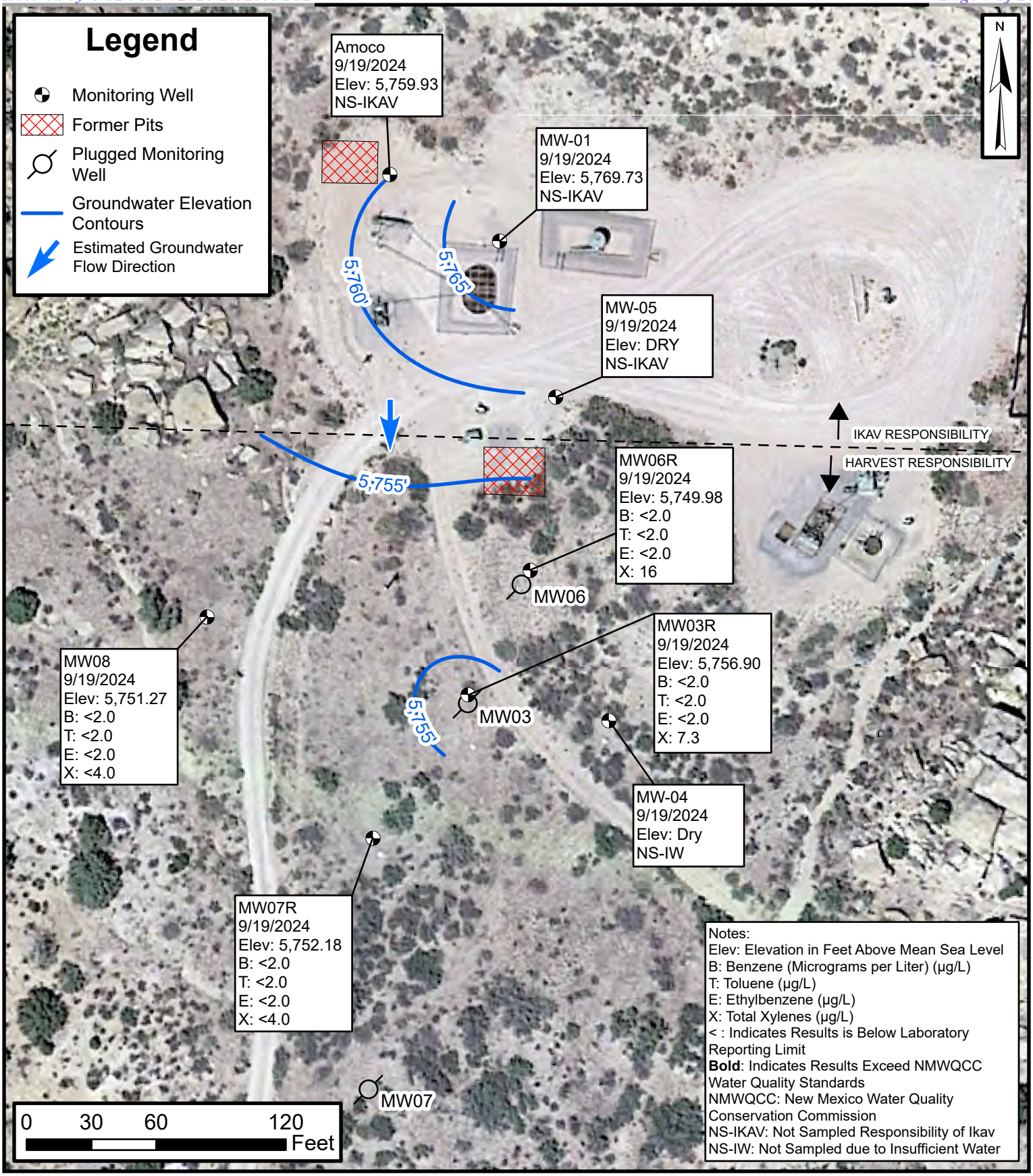
Groundwater Elevation and Analytical Results (June 2024)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
3

Sources: Google Earth (2022)



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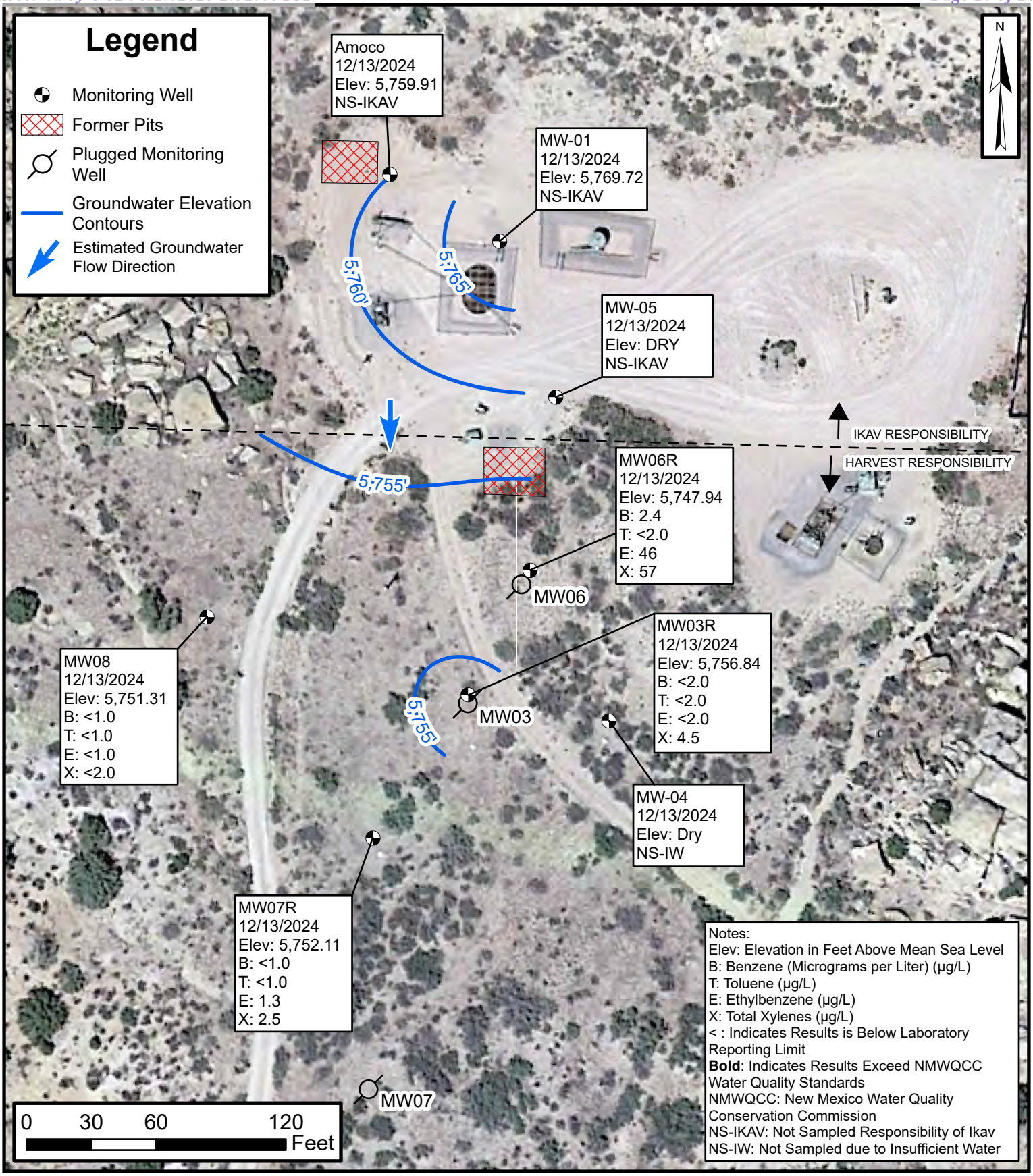
Groundwater Elevation and Analytical Results (September 2024)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
4

Sources: Google Earth (2022)



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Groundwater Elevation and Analytical Results (December 2024)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
5

Sources: Google Earth (2022)

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TABLES

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
AMOCO	1/3/2012	6,234.87	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		61.27	NP	NP	6,173.60
	6/24/2013	5,822.11*	61.63	NP	NP	5,760.48
	9/26/2013		61.64	NP	NP	5,760.47
	12/6/2013		61.31	NP	NP	5,760.80
	3/19/2014		61.36	NP	NP	5,760.75
	6/12/2014		61.65	NP	NP	5,760.46
	9/12/2014		61.73	NP	NP	5,760.38
	12/4/2014		61.70	NP	NP	5,760.41
	3/10/2015		61.71	NP	NP	5,760.40
	6/15/2015		61.75	NP	NP	5,760.36
	9/24/2015		61.82	NP	NP	5,760.29
	12/17/2015		61.56	NP	NP	5,760.55
	9/9/2016		61.70	NP	NP	5,760.41
	9/30/2019		61.80	NP	NP	5,760.31
	3/3/2020	5,822.19**	61.86	NP	NP	5,760.33
	6/9/2020		62.00	NP	NP	5,760.19
	9/23/2020		62.07	NP	NP	5,760.12
	12/1/2020		62.16	NP	NP	5,760.03
	3/31/2021		61.60	NP	NP	5,760.59
	6/2/2021		62.05	NP	NP	5,760.14
	9/9/2021		62.19	NP	NP	5,760.00
	12/2/2021		62.11	NP	NP	5,760.08
	2/18/2022		61.57	NP	NP	5,760.62
	6/3/2022		UNK	NP	NP	UNK
	9/14/2022		62.18	NP	NP	5,760.01
	12/6/2022		62.16	NP	NP	5,760.03
	3/10/2023		61.54	NP	NP	5,760.65
	6/18/2023		61.98	NP	NP	5,760.21
	9/26/2023		62.45	NP	NP	5,759.74
	12/6/2023		62.09	NP	NP	5,760.10
	3/14/2024		62.04	NP	NP	5,760.15
	6/26/2024		62.15	NP	NP	5,760.04
	9/19/2024		62.26	NP	NP	5,759.93
	12/13/2024		62.28	NP	NP	5,759.91

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW01	1/3/2012	6,231.60	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		45.92	45.90	0.02	6,186.70
	6/24/2013	5,818.84*	46.00	NP	NP	5,772.84
	9/26/2013		45.35	NP	NP	5,773.49
	12/6/2013		45.42	45.40	0.02	5,773.44
	3/19/2014		45.43	NP	NP	5,773.41
	6/12/2014		45.40	NP	NP	5,773.44
	9/12/2014		45.46	NP	NP	5,773.38
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		44.27	NP	NP	5,774.57
	6/15/2015		45.59	NP	NP	5,773.25
	9/24/2015		45.70	NP	NP	5,773.14
	12/17/2015		45.60	NP	NP	5,773.24
	9/9/2016		45.15	NP	NP	5,773.69
	9/30/2019	5,817.66**	45.36	NP	NP	5,772.30
	3/3/2020		45.24	NP	NP	5,772.42
	6/9/2020		45.35	NP	NP	5,772.31
	9/23/2020		45.40	NP	NP	5,772.26
	12/1/2020		45.38	NP	NP	5,772.28
	3/31/2021		45.64	NP	NP	5,772.02
	6/2/2021		45.58	NP	NP	5,772.08
	9/9/2021		44.49	NP	NP	5,773.17
	12/2/2021		45.79	45.69	0.10	5,771.95
	2/18/2022		45.97	45.86	0.11	5,771.78
	6/3/2022		45.95	45.90	0.05	5,771.75
	9/14/2022		46.44	NP	NP	5,771.22
	12/6/2022		47.24	46.84	0.40	5,770.74
	3/10/2023		47.69	47.19	0.50	5,770.37
	6/18/2023		48.07	47.51	0.56	5,770.04
	9/26/2023		48.56	48.29	0.27	5,769.32
	12/6/2023		48.31	47.98	0.33	5,769.61
	3/14/2024		48.28	47.95	0.33	5,769.64
	6/26/2024		48.35	47.84	0.51	5,769.72
	9/19/2024		48.45	47.80	0.65	5,769.73
	12/13/2024		48.43	47.82	0.61	5,769.72

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW03	1/3/2012	6,219.05	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,806.34*	DRY	DRY	DRY	DRY
	9/26/2013		DRY	DRY	DRY	DRY
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		DRY	DRY	DRY	DRY
	9/9/2016		DRY	DRY	DRY	DRY
MW03R	9/30/2019	5,805.45**	48.60	NP	NP	5,756.85
	3/3/2020		49.97	NP	NP	5,755.48
	6/9/2020		48.50	NP	NP	5,756.95
	9/23/2020		49.29	NP	NP	5,756.16
	12/1/2020		53.22	NP	NP	5,752.23
	3/31/2021		53.68	NP	NP	5,751.77
	6/2/2021		53.66	NP	NP	5,751.79
	9/9/2021		53.77	NP	NP	5,751.68
	12/2/2021		54.05	NP	NP	5,751.40
	2/18/2022		54.09	NP	NP	5,751.36
	6/3/2022		53.74	NP	NP	5,751.71
	9/14/2022		51.83	NP	NP	5,753.62
	12/6/2022		47.85	NP	NP	5,757.60
	3/10/2023		47.62	NP	NP	5,757.83
	6/18/2023		47.65	NP	NP	5,757.80
	9/26/2023		48.07	NP	NP	5,757.38
	12/6/2023		48.40	NP	NP	5,757.05
	3/14/2024		49.75	NP	NP	5,755.70
	6/26/2024		48.36	NP	NP	5,757.09
	9/19/2024		48.55	NP	NP	5,756.90
	12/13/2024		48.61	NP	NP	5,756.84

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	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	1/3/2012	6,219.64	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		46.61	46.59	0.02	6,173.05
	6/24/2013	5,806.56*	46.72	46.71	0.01	5,759.85
	9/26/2013		48.28	48.25	0.03	5,758.30
	12/6/2013		48.44	48.42	0.02	5,758.14
	3/19/2014		48.32	NP	NP	5,758.24
	6/12/2014		48.64	NP	NP	5,757.92
	9/12/2014		49.38	NP	NP	5,757.18
	12/4/2014		49.71	NP	NP	5,756.85
	3/10/2015		49.74	NP	NP	5,756.82
	6/15/2015		49.88	NP	NP	5,756.68
MW04	9/24/2015	5,806.56*	50.17	NP	NP	5,756.39
	12/17/2015		50.43	NP	NP	5,756.13
	9/9/2016		51.43	NP	NP	5,755.13
	9/30/2019	5,806.60**	53.66	NP	NP	5,752.94
	3/3/2020		54.17	NP	NP	5,752.43
	6/9/2020		45.36	NP	NP	5,761.24
	9/23/2020	5,806.60**	54.98	NP	NP	5,751.62
	12/1/2020		55.09	NP	NP	5,751.51
	3/31/2021		DRY	NP	NP	DRY
	6/2/2021		DRY	NP	NP	DRY
	9/9/2021		DRY	NP	NP	DRY
	12/2/2021		DRY	NP	NP	DRY
	2/18/2022		DRY	NP	NP	DRY
	6/3/2022		DRY	NP	NP	DRY
	9/14/2022		DRY	NP	NP	DRY
	12/6/2022		54.99	NP	NP	5,751.61
	3/10/2023		59.14	NP	NP	5,747.46
	6/18/2023		DRY	NP	NP	DRY
	9/26/2023		DRY	NP	NP	DRY
	12/6/2023		DRY	NP	NP	DRY
	3/14/2024		DRY	NP	NP	DRY
	6/14/2024		DRY	NP	NP	DRY
	9/19/2024		DRY	NP	NP	DRY
	12/13/2024		DRY	NP	NP	DRY

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW05	1/3/2012	6,228.57	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		52.16	NP	NP	6,176.41
	6/24/2013	5,815.74*	52.12	NP	NP	5,763.62
	9/26/2013		52.23	NP	NP	5,763.51
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		52.17	NP	NP	5,763.57
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		52.20	NP	NP	5,763.54
	12/4/2014		52.20	NP	NP	5,763.54
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		52.25	NP	NP	5,763.49
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		52.20	NP	NP	5,763.54
	9/9/2016		DRY	DRY	DRY	DRY
	9/30/2019	5,815.79**	DRY	DRY	DRY	DRY
	3/3/2020		52.22	NP	NP	5,763.57
	6/9/2020		52.21	NP	NP	5,763.58
	9/23/2020		DRY	NP	NP	DRY
	12/1/2020		DRY	NP	NP	DRY
	3/31/2021		52.31	NP	NP	5,763.48
	6/2/2021		DRY	NP	NP	DRY
	12/2/2021		52.29	NP	NP	5,763.50
	2/18/2022		DRY	NP	NP	DRY
	6/3/2022		DRY	NP	NP	DRY
	9/14/2022		52.18	NP	NP	5,763.61
	12/6/2022		52.17	NP	NP	5,763.62
	3/10/2023		52.17	NP	NP	5,763.62
	6/18/2023		DRY	NP	NP	DRY
	9/26/2023		51.98	NP	NP	5,763.81
	12/6/2023		52.02	NP	NP	5,763.77
	3/14/2024		DRY	NP	NP	DRY
	6/26/2024		52.02	NP	NP	5,763.77
	9/19/2024		DRY	NP	NP	DRY
	12/13/2024		DRY	NP	NP	DRY

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	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	1/3/2012	6,221.28	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	3/6/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,808.50*	DRY	DRY	DRY	DRY
	9/26/2013		44.37	NP	NP	5,764.13
	12/6/2013		44.39	NP	NP	5,764.11
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		44.36	NP	NP	5,764.14
	9/9/2016		DRY	DRY	DRY	DRY
MW06R	9/30/2019	5,808.59**	55.28	NP	NP	5,753.31
	3/3/2020		51.83	NP	NP	5,756.76
	6/9/2020		56.01	NP	NP	5,752.58
	9/23/2020		56.42	NP	NP	5,752.17
	12/1/2020		56.70	NP	NP	5,751.89
	3/31/2021		57.16	NP	NP	5,751.43
	6/2/2021		57.27	NP	NP	5,751.32
	9/9/2021		57.37	NP	NP	5,751.22
	12/2/2021		57.60	NP	NP	5,750.99
	2/18/2022		57.72	NP	NP	5,750.87
	6/3/2022		57.57	NP	NP	5,751.02
	9/14/2022		57.56	NP	NP	5,751.03
	12/6/2022		56.91	NP	NP	5,751.68
	3/10/2023		55.67	NP	NP	5,752.92
	6/18/2023		55.70	NP	NP	5,752.89
	9/26/2023		57.35	NP	NP	5,751.24
	12/6/2023		57.85	NP	NP	5,750.74
	3/14/2024		58.17	NP	NP	5,750.42
	6/26/2024		57.95	NP	NP	5,750.64
	9/19/2024		58.61	NP	NP	5,749.98
	12/13/2024		60.65	NP	NP	5,747.94

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet amsl)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet amsl)
MW07	1/3/2012	6,211.30	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,798.73*	DRY	DRY	DRY	DRY
	9/26/2013		DRY	DRY	DRY	DRY
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		DRY	DRY	DRY	DRY
	9/9/2016		DRY	DRY	DRY	DRY
MW07R	9/30/2019	5,803.01**	48.59	NP	NP	5,754.42
	3/3/2020		48.64	NP	NP	5,754.37
	6/9/2020		48.72	NP	NP	5,754.29
	9/23/2020		49.10	NP	NP	5,753.91
	12/1/2020		49.29	NP	NP	5,753.72
	3/31/2021		49.23	NP	NP	5,753.78
	6/2/2021		49.18	NP	NP	5,753.83
	9/9/2021		49.56	NP	NP	5,753.45
	12/2/2021		49.63	NP	NP	5,753.38
	2/18/2022		49.51	NP	NP	5,753.50
	6/3/2022		49.74	NP	NP	5,753.27
	9/14/2022		49.34	NP	NP	5,753.67
	12/6/2022		49.21	NP	NP	5,753.80
	3/10/2023		49.31	NP	NP	5,753.70
	6/18/2023		49.21	NP	NP	5,753.80
	9/26/2023		50.12	NP	NP	5,752.89
	12/6/2023		50.34	NP	NP	5,752.67
	3/14/2024		50.32	NP	NP	5,752.69
	6/26/2024		50.42	NP	NP	5,752.59
	9/19/2024		50.83	NP	NP	5,752.18
	12/13/2024		50.90	NP	NP	5,752.11

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TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	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	9/30/2019	5,812.70**	58.41	NP	NP	5,754.29
	3/3/2020		58.82	NP	NP	5,753.88
	6/9/2020		59.05	NP	NP	5,753.65
	9/23/2020		59.30	NP	NP	5,753.40
	12/1/2020		59.50	NP	NP	5,753.20
	3/31/2021		60.00	NP	NP	5,752.70
	6/2/2021		60.02	NP	NP	5,752.68
	9/9/2021		60.25	NP	NP	5,752.45
	12/2/2021		60.30	NP	NP	5,752.40
	2/18/2022		60.56	NP	NP	5,752.14
	6/3/2022		60.52	NP	NP	5,752.18
	9/14/2022		60.74	NP	NP	5,751.96
	12/6/2022		60.80	NP	NP	5,751.90
	3/10/2023		60.78	NP	NP	5,751.92
	6/18/2023		60.82	NP	NP	5,751.88
	9/26/2023		60.88	NP	NP	5,751.82
	12/6/2023		60.97	NP	NP	5,751.73
	3/14/2024		61.18	NP	NP	5,751.52
	6/26/2024		61.27	NP	NP	5,751.43
	9/19/2024		61.43	NP	NP	5,751.27
	12/13/2024		61.39	NP	NP	5,751.31

AMSL: above mean sea level
BTOC: below top of casing
UNK: data are not known
NP: no product
* Top of casing elevation resurveyed on 6/20/13
** Top of casing elevation resurveyed on 12/18/19
Groundwater elevation calculation in wells with product: (top of casing elevation - depth to water) + (product thickness * 0.8)

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TABLE 2
GROUNDWATER QUALITY MEASUREMENTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well ID	Sample Date	Temperature (°C)	pH	Conductivity (mS/cm)
MW03R	3/14/2024	17.5	7.76	3.54
	6/26/2024	22.2	7.04	3.12
	9/19/2024	19.2	7.41	2.99
	12/13/2024	17.3	7.29	2.89
MW06R	3/14/2024	17.0	6.68	4.32
	6/26/2024	--	--	--
	9/19/2024	20.2	7.42	3.64
	12/13/2024	16.2	6.87	3.31
MW07R	3/14/2024	16.0	7.67	5.88
	6/26/2024	20.4	6.99	4.79
	9/19/2024	17.9	7.00	5.00
	12/13/2024	17.1	7.16	4.85
MW08	3/14/2024	15.6	7.82	6.22
	6/26/2024	19.8	7.27	4.97
	9/19/2024	16.8	7.34	5.10
	12/13/2024	16.1	7.46	4.83

Notes:
°C: degrees Celcius
mS/cm: millisiemens per centimeter
--: not measured

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
AMOCO	11/15/2000	**966**	64.4	**1,070**	**12,700**
	1/22/2001	**1,210**	299	**1,750**	**19,400**
	4/30/2001	**1,080**	71	**1,030**	**11,600**
	10/16/2001	**930**	13	**1,100**	**12,000**
	3/30/2002	**610**	**790**	**1,100**	**13,000**
	6/16/2002	**740**	ND	**3,400**	**22,000**
	12/13/2002	**570**	ND	670	**8,400**
	12/3/2003	**440**	<100	**760**	**8,600**
	3/10/2004	**200**	56	430	**7,400**
	6/27/2004	**270**	150	600	**6,600**
	9/20/2004	**210**	61	430	**3,900**
	12/6/2004	**1,000**	100	**750**	**7,800**
	3/8/2005	**330**	94	730	**5,900**
	11/30/2005	**325**	59.7	**809**	**11,400**
	7/18/2006	**375**	<20.0	**1,100**	**9,010**
	3/27/2008	**168**	<25.0	**1,800**	**10,200**
	3/27/2008	**183**	<25.0	**3,920**	**11,000**
	6/4/2008	**211**	<25.0	**1,350**	**8,170**
	9/18/2008	**169**	<50.0	**2,110**	**17,500**
	12/5/2008	**134**	<100	**1,280**	**10,900**
	3/28/2009	**130**	<100	**1760**	**15,800**
	7/8/2009	**220**	<50.0	**2,350**	**16,400**
	9/11/2009	**133**	<100	**2,880**	**20,700**
	12/20/2019	**106**	<10.0	**823**	**5,450**
	3/29/2010	**114**	<100	**1,230**	**8,840**
	6/23/2010	**116**	<25.0	**3,400**	**19,000**
	9/10/2010	**112**	<50.0	**2,980**	**22,000**
	12/4/2010	**103**	<50.0	**1,710**	**10,900**
	3/11/2011	**78.1**	23.3	**1,130**	**6,350**
	6/14/2011	**88.1**	<10	**1,980**	**14,200**
	9/12/2011	**75.6**	<1.0	670	**3,710**
	1/3/2012	**73.8**	<5.0	732.0	**3,380**
	4/2/2012	NS	NS	NS	NS
	6/13/2012	**81.8**	30.5	**966**	**4,480**

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
AMOCO	10/2/2012	**71.6**	<5.0	**881**	**4,320**
	12/6/2012	**80.4**	<5.0	**952**	**3,730**
	2/28/2013	**60**	<50	650	**4,200**
	6/24/2013*	NS-BP	NS-BP	NS-BP	NS-BP
MW01	1/2/1997	**357**	**1,550**	**1,060**	**5,830**
	5/8/1997	**3,643**	**11,525**	**1,097**	**16,005**
	8/13/1997	**3,653**	**12,785**	**1,160**	**16,191**
	11/25/1997	**3,942**	**14,574**	**1,262**	**17,568**
	1/23/1998	**4,421**	**15,035**	**1,181**	**19,184**
	4/28/1998	**4,000**	**13,000**	**1,000**	**18,800**
	8/7/1998	**3,600**	**11,000**	**970**	**15,400**
	12/15/1998	**3,800**	**7,200**	670	**17,900**
	2/9/1999	**3,400**	**5,300**	**1,100**	**18,900**
	4/21/1999	**3,500**	**3,500**	**810**	**16,500**
	7/28/1999	**2,700**	**1,800**	220	**15,300**
	11/1/1999	**3,200**	**1,100**	**910**	**17,600**
	7/13/2006	**16**	6	<1.0	57
	1/3/2012	NS	NS	NS	NS
	4/2/2012	NS	NS	NS	NS
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	**1,670**	<10.0	**1,300**	**995**
	2/28/2013*	NS-BP	NS-BP	NS-BP	NS-BP
MW03	2/6/1997	**171.0**	735	149	**1,572**
	5/8/1997	**97**	27	115	302
	11/1/1999	**1,600**	**820**	640	**6,400**
	7/13/2006	**57**	6.3	<1.0	8
	1/3/2012	NS	NS	NS	NS
	4/2/2012	NS	NS	NS	NS
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	2/28/2013	NS-IW	NS-IW	NS-IW	NS-IW
	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW03	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03R**	9/30/2019	**15**	<5.0	250	58
	3/3/2020	8.2	<5.0	92	23
	6/9/2020	3.9	<1.0	71	7.8
	9/23/2020	<1.0	<1.0	<1.0	<1.5
	12/1/2020	<1.0	<1.0	14	1.6
	3/31/2021	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<2.0	<2.0	<2.0	<4.0
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	<1.0	<1.5
	2/18/2022	<1.0	<1.0	1.8	3.1
	6/3/2022	<1.0	<1.0	<1.0	<2.0
	9/14/2022	<2.0	<2.0	<2.0	<3.0
	12/6/2022	<2.0	<2.0	13	<3.0
	3/10/2023	<2.0	<2.0	12	14
	6/18/2023	<2.0	<2.0	9.8	<4.0
	9/26/2023	<2.0	<2.0	4.1	<4.0
	12/6/2023	<2.0	<2.0	<2.0	<4.0
	3/14/2024	<2.0	<2.0	<2.0	<4.0
	6/26/2024	<2.0	<2.0	<2.0	<4.0
	9/19/2024	<2.0	<2.0	<2.0	7.3
	12/13/2024	<2.0	<2.0	<2.0	4.5
MW04	5/8/1997	<0.2	0.3	<0.2	0.5
	8/13/1997	<1.0	<1.0	<1.0	<1.0

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW04	11/25/1997	<0.2	<0.2	<0.2	<0.4
	1/23/1998	<0.2	<0.2	<0.2	<0.4
	11/15/2000	<1.0	<1.0	<1.0	<1.0
	1/22/2001	**15.1**	46.1	14.7	306
	4/30/2001	**103**	3.85	2.38	42.5
	10/16/2001	<2.0	<2.0	<2.0	<2.0
	3/30/2002	**42**	13	19	150
	6/16/2002	**56**	32	68	470
	9/25/2002	**170**	85	170	**1,200**
	12/13/2002	**130**	39	180	**990**
	3/8/2005	**17**	15	170	**1,100**
	7/18/2006	<20.0	<20.0	230	**1,640**
	3/27/2008	<10.0	<10.0	285	**2,390**
	6/4/2008	<1.0	<10.0	232	**1,830**
	9/18/2008	<5.0	16.1	218	**1,640**
	12/5/2008	<5.0	<5.0	55.6	410
	3/28/2009	<5.0	<5.0	111	**732**
	7/8/2009	6.1	<5.0	91.2	587
	9/11/2009	<1.0	<1.0	39.9	199
	12/20/2009	<1.0	<1.0	28.1	145
	3/29/2010	<5.0	7.1	65.5	360
	6/23/2010	<5.0	<5.0	70.1	439
	9/10/2010	<1.0	<1.0	11.8	110
	12/4/2010	<5.0	<5.0	15.8	152
	3/11/2011	<5.0	<5.0	18.1	167
	6/14/2011	<1.0	<1.0	4.9	33.3
	9/12/2011	<1.0	<1.0	<1.0	7.9
	1/3/2012	<1.0	<1.0	<1.0	3.6
	4/2/2012	NS	NS	NS	NS
	6/13/2012	<1.0	<1.0	<1.0	<3.0
	10/2/2012	<5.0	<5.0	<5.0	<15.0
	12/6/2012	<1.0	<1.0	<1.0	<3.0
	2/28/2013	NSP	NSP	NSP	NSP
	6/24/2013	NSP	NSP	NSP	NSP

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW04	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2013	NSP	NSP	NSP	NSP
	3/19/2014	<1.0	<1.0	3.9	12
	6/12/2014	<2.0	<2.0	<2.0	7.2
	9/12/2014	<1.0	<1.0	<1.0	5.7
	12/4/2014	<2.0	<2.0	<2.0	5.2
	3/10/2015	<2.0	<2.0	<2.0	<4.0
	6/15/2015	<1.0	<1.0	<1.0	<2.0
	9/24/2015	<1.0	<1.0	<1.0	<1.5
	12/17/2015	<1.0	<1.0	<1.0	<2.0
	9/30/2019	<1.0	<1.0	<1.0	<2.0
	3/3/2020	NS	NS	NS	NS
	6/9/2020	NS	NS	NS	NS
	12/1/2020	NS-IW	NS-IW	NS-IW	NS-IW
	3/31/2021	NS-IW	NS-IW	NS-IW	NS-IW
	6/2/2021	NS-IW	NS-IW	NS-IW	NS-IW
	9/9/2021	NS-IW	NS-IW	NS-IW	NS-IW
	12/2/2021	NS-IW	NS-IW	NS-IW	NS-IW
	2/18/2022	NS-IW	NS-IW	NS-IW	NS-IW
	6/3/2022	NS-IW	NS-IW	NS-IW	NS-IW
	9/14/2022	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2022	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2023	NS-IW	NS-IW	NS-IW	NS-IW
	6/18/2023	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2023	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2023	NS-IW	NS-IW	NS-IW	NS-IW
	3/14/2024	NS-IW	NS-IW	NS-IW	NS-IW
	6/26/2024	NS-IW	NS-IW	NS-IW	NS-IW
	9/19/2024	NS-IW	NS-IW	NS-IW	NS-IW
	12/13/2024	NS-IW	NS-IW	NS-IW	NS-IW
MW05	5/8/1997	<2.0	0.3	<0.2	0.4
	8/13/1997	**3,683**	**12,739**	**1,143**	**16,086**
	11/25/1997	<0.2	<0.2	<0.2	<0.4

ENSOLUM

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW05	1/23/1998	**4,299**	**14,477**	**1,120**	**18,281**
	2/9/1999	**3,500**	**5,100**	100	**17,700**
	4/21/1999	**3,300**	**3,400**	**790**	**16,400**
	3/21/2000	**730**	220	**1,200**	**11,600**
	6/14/2000	**800**	**33**	**980**	**5,890**
	11/15/2000	**953**	65	**1,600**	**8,010**
	1/22/2001	**818**	<1	**1,390**	**7,530**
	4/30/2001	**873**	124	**1,450**	**4,320**
	10/16/2001	**770**	73	**1,300**	**8,000**
	3/30/2002	**350**	12	540	440
	6/16/2002	**300**	ND	290	110
	9/25/2002	**250**	15	110	330
	12/13/2002	**100**	ND	48	150
	7/13/2006	**22**	8	<1.0	45
	1/3/2012	<1.0	<1.0	<1.0	3.6
	4/2/2012	NS	NS	NS	NS
	6/13/2012	<1.0	<1.0	<1.0	<3.0
	10/2/2012	<5.0	<5.0	<5.0	<15.0
	12/6/2012	<1.0	<1.0	<1.0	<3.0
	2/28/2013*	NS-BP	NS-BP	NS-BP	NS-BP
MW06	3/21/2000	**4,200**	**12,000**	**1,300**	**15,200**
	6/14/2000	**4,400**	**11,000**	**1,200**	**15,200**
	7/13/2006	**795**	**1,480**	285	**2,450**
	3/27/2008	**3,670**	**2,150**	**1,210**	**14,300**
	6/4/2008	**2,380**	**1,370**	580	**11,900**
	9/18/2008	**3,600**	278	**1,290**	**18,100**
	12/5/2008	**1,580**	85.3	**828**	**10,100**
	3/28/2009	**1,790**	95	**886**	**15,300**
	9/11/2009	**1,200**	95	523	**3,580**
	6/23/2010	**815**	75.3	32.3	**3,090**
	9/10/2010	**674**	129	28.7	**4,010**
	1/3/2012	NS	NS	NS	NS
	4/2/2012	**86.7**	28	**799**	**4,240**
	6/13/2012	NS	NS	NS	NS

ENSOLUM

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW06	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	3/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW06R**	9/30/2019	**15**	<1.0	7.1	42
	3/3/2020	4.7	<1.0	1.4	<2.0
	6/9/2020	1.9	<1.0	<1.0	<2.0
	9/23/2020	3.7	<1.0	2.7	<3.0
	12/1/2020	5.4	<1.0	9.6	<1.5
	3/31/2021	2.3	<1.0	5.8	4.8
	6/2/2021	3.8	<1.0	7.0	11
	9/9/2021	2.6	<1.0	4.9	5.9
	12/2/2021	3.9	<2.0	25	4.4
	2/18/2022	2.1	<1.0	9.1	2.6
	6/3/2022	5.3	1.4	19	<2.0
	9/14/2022	<1.0	<1.0	27	1.6
	12/6/2022	3.4	<2.0	17	<3.0
	3/10/2023	4.2	<2.0	19	14
	6/18/2023	3.1	<2.0	38	<4.0
	9/26/2023	2.0	<2.0	5.6	<4.0
	12/6/2023	<2.0	<2.0	2.4	<4.0
	3/14/2024	2.6	<2.0	73	290
	6/26/2024	5.6	2.6	39	150

ENSOLUM

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW06R**	9/19/2024	<2.0	<2.0	<2.0	16
	12/13/2024	2.4	<2.0	46	57
MW07	3/21/2000	<0.5	<0.5	<0.5	5.9
	6/14/2000	<0.5	<0.5	<0.5	<1.5
	11/15/2000	<1.0	<1.0	<1.0	<1.0
	1/22/2001	<1.0	5.79	1.51	42.4
	4/30/2001	<1.0	<1.0	<1.0	<1.0
	10/16/2001	<1.0	<2.0	<2.0	3.2
	12/3/2003	<2.0	<2.0	<2.0	<5.0
	3/10/2004	ND	ND	ND	ND
	6/27/2004	ND	ND	ND	ND
	9/20/2004	ND	ND	ND	ND
	12/6/2004	<2.0	<2.0	<2.0	<5.0
	3/8/2005	<2.0	<2.0	<2.0	5.7
	6/19/2005	<2.0	<2.0	<2.0	<5.0
	9/15/2005	<2.0	<2.0	<2.0	<5.0
	11/30/2005	<2.0	<2.0	<2.0	<5.0
	7/13/2006	<1.0	<1.0	<1.0	<3.0
	3/27/2008	<1.0	<1.0	<1.0	<3.0
	6/4/2008	<1.0	<1.0	<1.0	<3.0
	9/18/2008	<1.0	<1.0	<1.0	<3.0
	12/5/2008	<1.0	<1.0	<1.0	<3.0
	3/28/2009	<1.0	<1.0	<1.0	<3.0
	7/8/2009	<1.0	<1.0	<1.0	<3.0
	9/11/2009	<1.0	<1.0	<1.0	<3.0
	12/20/2009	<1.0	<1.0	<1.0	<3.0
	3/29/2010	<5.0	<5.0	<5.0	<15.0
	6/23/2010	<1.0	<1.0	<1.0	<3.0
	9/10/2010	<1.0	<1.0	<1.0	<3.0
	12/4/2010	<1.0	<1.0	<1.0	<3.0
	3/11/2011	<1.0	<1.0	<1.0	<3.0
	6/14/2011	<1.0	<1.0	<1.0	<3.0
	9/12/2011	<1.0	<1.0	<1.0	<3.0
	1/3/2012	<1.0	<1.0	<1.0	<3.0

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW07	4/2/2012	<1.0	<1.0	<1.0	<3.0
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	2/28/2013	NS-IW	NS-IW	NS-IW	NS-IW
	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07R**	9/30/2019	6.7	<1.0	78	200
	3/3/2020	1.1	<1.0	1.1	2.3
	6/9/2020	2.1	<1.0	5.1	18
	9/23/2020	1.1	<1.0	<1.0	6.4
	12/1/2020	1.9	<1.0	3.1	15
	3/31/2021	<1.0	<1.0	1.8	8.7
	6/2/2021	1.0	<1.0	<1.0	4.8
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	1.1	4.7
	2/18/2022	<1.0	<1.0	1.5	6.0
	6/3/2022	<1.0	<1.0	<1.0	3.8
	9/14/2022	<1.0	<1.0	<1.0	2.1
	12/6/2022	<2.0	<2.0	2.3	8.5
	3/10/2023	<2.0	<2.0	<2.0	8.8
	6/18/2023	<2.0	<2.0	<2.0	<4.0
	9/26/2023	<2.0	<2.0	<2.0	<4.0
	12/6/2023	<2.0	<2.0	<2.0	7.9
	3/14/2024	<2.0	<2.0	<2.0	<4.0

ENSOLUM

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		10	750	750	620
MW07R**	6/26/2024	<1.0	<1.0	<1.0	<2.0
	9/19/2024	<2.0	<2.0	<2.0	<4.0
	12/13/2024	<1.0	<1.0	1.3	2.5
MW08	9/30/2019	<1.0	<1.0	<1.0	<2.0
	3/3/2020	<1.0	<1.0	<1.0	<2.0
	6/9/2020	<1.0	<1.0	<1.0	<2.0
	9/23/2020	<1.0	<1.0	<1.0	<1.5
	12/1/2020	<1.0	<1.0	<1.0	<1.5
	3/31/2021	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	<1.0	<1.5
	2/18/2022	<1.0	<1.0	<1.0	<1.5
	6/3/2022	<1.0	<1.0	<1.0	<2.0
	9/14/2022	<1.0	<1.0	<1.0	<1.5
	12/16/2022	<1.0	<1.0	<1.0	<1.5
	3/10/2023	<1.0	<1.0	<1.0	<2.0
	6/18/2023	<1.0	<1.0	<1.0	<2.0
	9/26/2023	<1.0	<1.0	<1.0	<2.0
	12/6/2023	<1.0	<1.0	<1.0	<2.0

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
Florance #40
Harvest Four Corners
San Juan County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards		**10**	**750**	**750**	**620**
MW08	3/14/2024	<1.0	<1.0	<1.0	<2.0
	6/26/2024	<1.0	<1.0	<1.0	<2.0
	9/19/2024	<2.0	<2.0	<2.0	<4.0
	12/13/2024	<1.0	<1.0	<1.0	<2.0

Notes:

µg/L: micrograms per liter

< indicates result is less than laboratory reporting detection limit

NMWQCC: New Mexico Water Quality Control Commission

NS-BP: not sampled: monitoring well is BP's responsibility

NS-IKAV: not sampled: monitoring well is IKAV's responsibility

NS: not sampled

NS-IW: not sampled insufficient water

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

** indicates well is BP/IKAV responsibility and not sampled following this date*

***indicates well was replaced in 2019*

*Concentrations in **bold** and shaded exceed the applicable New Mexico Water Quality Control Commission Standards*

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APPENDIX A

Remediation Responsibilities

3R - 13

GENERAL CORRESPONDENCE

YEAR(S): 1998-1997

BLAGG ENGINEERING, INC.
P.O. Box 87, Bloomfield, New Mexico 87413
Phone: (505)632-1199 Fax: (505)632-3903

February 25, 1998

Mr. Roger Anderson
Chief of Environmental Bureau
State of New Mexico Oil Conservation Division
2040 So. Pacheco
Santa Fe, New Mexico 87505

RE: Groundwater Impact
Amoco Production Company: Florance Z # 40 Well site
Legal Description: Unit G, Sec. 21, T30N, R8W
San Juan County, New Mexico

Dear Mr. Anderson:

Physical observation of groundwater after monitor well construction was completed at the above referenced well site indicates approximately 0.08 ft. or 1 inch of free phase product. The monitor well is located within the abandoned separator pit area. Further assessment will be conducted and a remediation plan drafted after more data is collected. Depth to water in the monitor well was approximately 50 ft. below the ground surface.

If you have any questions concerning this information, please do not hesitate to contact us at (505) 632-1199. Thank you for your cooperation.

Respectfully submitted,
Blagg Engineering, Inc.

Jeffrey C. Blagg, P.E.
President

cc: Denny Foust, Deputy Oil & Gas Inspector, NMOCD, Aztec, NM
Buddy Shaw, Environmental Coordinator, Amoco Production Company, Farmington, NM

NV/nv

FLO-Z-40.LTR

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

December 30, 1997

Ms. Maureen Gannon
PNM
Alvarado Square, MS 0408
Albuquerque, New Mexico 87158

RE: GROUND WATER CONTAMINATION
FLORANCE Z 40 WELL SITE

Dear Ms. Gannon:

The New Mexico Oil Conservation Division (OCD) has reviewed Public Service Company of New Mexico's (PNM) September 10, 1997 "UPDATE OF THE FLORANCE Z 40 CONTAMINATED GROUNDWATER SITE". This document contains the results of PNM's recent investigation of ground water contamination related to PNM's dehydrator pit at the Florance Z 40 well site. The document also requests guidance concerning contamination upgradient of PNM's dehydration pit.

A review of the above referenced document shows that ground water contamination upgradient of PNM's former dehydration pit appears to be a result of production disposal activities related to Amoco's Florance Z 40 former separator pit. However, free phase product contamination of ground water in the vicinity of the dehy unit appears to be the result of disposal practices at PNM's former unlined dehy pit. Therefore, the OCD requires that PNM address soil and ground water contamination at PNM's former dehy pit and downgradient of the dehy pit under PNM's "GROUNDWATER MANAGEMENT PROGRAM FOR UNLINED SURFACE IMPOUNDMENT CLOSURES". Ground water contamination upgradient of PNM's dehy pit is the responsibility of Amoco.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: Denny Foust, OCD Aztec District Office
Buddy Shaw, Amoco
Bill Liess, BLM Farmington Office

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

December 30, 1997

CERTIFIED MAIL
RETURN RECEIPT NO. Z-235-437-211

Mr. B.D. Shaw
Amoco Production Company
200 Amoco Court
Farmington, New Mexico 87401

RE: GROUND WATER CONTAMINATION
FLORANCE Z 40 WELL SITE

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) has recently reviewed Public Service Company of New Mexico's (PNM) September 10, 1997 "UPDATE OF THE FLORANCE Z 40 CONTAMINATED GROUNDWATER SITE". This document contains the results of PNM's recent investigation of ground water contamination related to PNM's dehydrator pit at Amoco's Florance Z 40 well site.

A review of the above referenced document shows that ground water contamination upgradient of PNM's former dehydration pit appears to be a result of production disposal activities related to Amoco's Florance Z 40 former separator pit. Therefore, the OCD requires that Amoco address soil and ground water contamination downgradient of Amoco's separator pit pursuant to Amoco's approved ground water remediation plan. Ground water contamination downgradient of PNM's former dehy pit is the responsibility of PNM.

If you have any questions, please call me at (505) 827-7154.

Sincerely,

William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec District Office
Bill Liess, BLM Farmington District Office
Nelson Velez, Blagg Engineering, Inc.
Maureen Gannon, PNM

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APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/28/2024 6:47:12 PM

JOB DESCRIPTION

Florance 40

JOB NUMBER

885-1277-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
3/28/2024 6:47:12 PM

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

Client: Harvest
Project/Site: Florance 40

Laboratory Job ID: 885-1277-1

Table of Contents

Definitions/Glossary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Harvest
Project: Florance 40

Job ID: 885-1277-1

Job ID: 885-1277-1 Eurofins Albuquerque

Job Narrative
885-1277-1

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

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

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

Receipt
The samples were received on 3/15/2024 7:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): MWO3R (885-1277-1), MWO6R (885-1277-2) and MWO7R (885-1277-3). The container labels list MW3R, MW6R, MW7R while the COC lists MWO3R, MWO6R, MWO7R.

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: MWO6R (885-1277-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Client Sample ID: MWO3R
Date Collected: 03/14/24 11:45
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			03/19/24 15:22	2
Ethylbenzene	ND		2.0		ug/L			03/19/24 15:22	2
Toluene	ND		2.0		ug/L			03/19/24 15:22	2
Xylenes, Total	ND		4.0		ug/L			03/19/24 15:22	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*52 - 148*		*03/19/24 15:22*	*2*

Client Sample ID: MWO6R
Date Collected: 03/14/24 11:23
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.6**		2.0		ug/L			03/19/24 15:45	2
Ethylbenzene	**73**		2.0		ug/L			03/19/24 15:45	2
Toluene	ND		2.0		ug/L			03/19/24 15:45	2
Xylenes, Total	**290**		4.0		ug/L			03/19/24 15:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*52 - 148*		*03/19/24 15:45*	*2*

Client Sample ID: MWO7R
Date Collected: 03/14/24 12:09
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-3
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			03/21/24 16:18	2
Ethylbenzene	ND		2.0		ug/L			03/21/24 16:18	2
Toluene	ND		2.0		ug/L			03/21/24 16:18	2
Xylenes, Total	ND		4.0		ug/L			03/21/24 16:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*52 - 148*		*03/21/24 16:18*	*2*

Client Sample ID: MWO8
Date Collected: 03/14/24 13:00
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/19/24 17:19	1
Ethylbenzene	ND		1.0		ug/L			03/19/24 17:19	1
Toluene	ND		1.0		ug/L			03/19/24 17:19	1
Xylenes, Total	ND		2.0		ug/L			03/19/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*52 - 148*		*03/19/24 17:19*	*1*

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-2156/33
Matrix: Water
Analysis Batch: 2156

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/21/24 10:01	1
Ethylbenzene	ND		1.0		ug/L			03/21/24 10:01	1
Toluene	ND		1.0		ug/L			03/21/24 10:01	1
Xylenes, Total	ND		2.0		ug/L			03/21/24 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*52 - 148*		*03/21/24 10:01*	*1*

Lab Sample ID: LCS 885-2156/32
Matrix: Water
Analysis Batch: 2156

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	18.9		ug/L		95	70 - 130		
Ethylbenzene			20.0	19.3		ug/L		96	70 - 130		
m&p-Xylene			40.0	39.1		ug/L		98	70 - 130		
o-Xylene			20.0	19.1		ug/L		95	70 - 130		
Toluene			20.0	19.1		ug/L		96	70 - 130		
Xylenes, Total			60.0	58.2		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*52 - 148*

Lab Sample ID: MB 885-2243/21
Matrix: Water
Analysis Batch: 2243

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			03/19/24 11:07	1
Ethylbenzene	ND		1.0		ug/L			03/19/24 11:07	1
Toluene	ND		1.0		ug/L			03/19/24 11:07	1
Xylenes, Total	ND		2.0		ug/L			03/19/24 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*52 - 148*		*03/19/24 11:07*	*1*

Lab Sample ID: LCS 885-2243/20
Matrix: Water
Analysis Batch: 2243

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	16.2		ug/L		81	70 - 130		
Ethylbenzene			20.0	17.4		ug/L		87	70 - 130		
m&p-Xylene			40.0	35.2		ug/L		88	70 - 130		
o-Xylene			20.0	17.3		ug/L		86	70 - 130		
Toluene			20.0	17.0		ug/L		85	70 - 130		
Xylenes, Total			60.0	52.4		ug/L		87	70 - 130		

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

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

Lab Sample ID: LCS 885-2243/20
Matrix: Water
Analysis Batch: 2243

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		52 - 148

Lab Sample ID: 885-1277-1 MS
Matrix: Water
Analysis Batch: 2243

Client Sample ID: MWO3R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		40.0	32.4		ug/L		78	70 - 130		
Ethylbenzene	ND		40.0	34.5		ug/L		85	70 - 130		
m&p-Xylene	ND		80.0	70.5		ug/L		88	70 - 130		
o-Xylene	ND		40.0	34.8		ug/L		85	70 - 130		
Toluene	ND		40.0	33.4		ug/L		82	70 - 130		
Xylenes, Total	ND		120	105		ug/L		87	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		52 - 148

Lab Sample ID: 885-1277-1 MSD
Matrix: Water
Analysis Batch: 2243

Client Sample ID: MWO3R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		40.0	31.7		ug/L		76	70 - 130	2	20
Ethylbenzene	ND		40.0	33.9		ug/L		83	70 - 130	2	20
m&p-Xylene	ND		80.0	69.3		ug/L		87	70 - 130	2	20
o-Xylene	ND		40.0	34.0		ug/L		83	70 - 130	2	20
Toluene	ND		40.0	32.8		ug/L		81	70 - 130	2	20
Xylenes, Total	ND		120	103		ug/L		86	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		52 - 148

QC Association Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

GC VOA

Analysis Batch: 2156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1277-3	MWO7R	Total/NA	Water	8021B	
MB 885-2156/33	Method Blank	Total/NA	Water	8021B	
LCS 885-2156/32	Lab Control Sample	Total/NA	Water	8021B	

Analysis Batch: 2243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1277-1	MWO3R	Total/NA	Water	8021B	
885-1277-2	MWO6R	Total/NA	Water	8021B	
885-1277-4	MWO8	Total/NA	Water	8021B	
MB 885-2243/21	Method Blank	Total/NA	Water	8021B	
LCS 885-2243/20	Lab Control Sample	Total/NA	Water	8021B	
885-1277-1 MS	MWO3R	Total/NA	Water	8021B	
885-1277-1 MSD	MWO3R	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Client Sample ID: MWO3R
Date Collected: 03/14/24 11:45
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	2243	JP	EET ALB	03/19/24 15:22

Client Sample ID: MWO6R
Date Collected: 03/14/24 11:23
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	2243	JP	EET ALB	03/19/24 15:45

Client Sample ID: MWO7R
Date Collected: 03/14/24 12:09
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	2156	JP	EET ALB	03/21/24 16:18

Client Sample ID: MWO8
Date Collected: 03/14/24 13:00
Date Received: 03/15/24 07:22

Lab Sample ID: 885-1277-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2243	JP	EET ALB	03/19/24 17:19

Laboratory References:

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

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Laboratory: Eurofins Albuquerque

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Toluene
8021B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Method Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-1277-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET ALB
5030C	Purge and Trap	SW846	EET ALB

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Chain-of-Custody Record

Client: Harvest Midstream

Attn. Monica Smith

Mailing Address:

Phone #:

email or Fax#: See Remarks

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time: 5-day

☒ Standard ☐ Rush

Project Name: Florance 40

Project #:

Project Manager: Danny Burns

Sampler: Grey Pulese

On Ice: ☒ Yes ☐ No 4.0g

# of Coolers: 1

Cooler Temp (including CF): 3.0-0.1=2.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABOR

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 871(885-1277 COC

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
3-14	1145	GW	MW03R	3 voas	HCl	-1	X									
	1123		MW06R			-2	X									
	1209		MW07R			-3	X									
	1300		MW08			-4	X									

Date	Time:	Relinquished by:	Received by.	Via:	Date	Time
3/14/24	1422				3/14/24	1422
3/14/24	1736			Courier	3/15/24	7:22

Remarks: cc: Dburns@ensolum.com
ypulese@ensolum.com
Bhierro@ensolum.com

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

Login Sample Receipt Checklist

Client: Harvest Job Number: 885-1277-1

Login Number: 1277 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Lowman, Nick

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jennifer Deal
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Generated 7/10/2024 3:41:10 PM

JOB DESCRIPTION

Florance 40

JOB NUMBER

885-7001-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

my EOL

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
7/10/2024 3:41:10 PM

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

Client: Harvest
Project/Site: Florance 40

Laboratory Job ID: 885-7001-1

Table of Contents

Definitions/Glossary

Client: Harvest Job ID: 885-7001-1
Project/Site: Florance 40

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Case Narrative

Client: Harvest
Project: Florance 40

Job ID: 885-7001-1

Job ID: 885-7001-1 Eurofins Albuquerque

Job Narrative
885-7001-1

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

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

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

Receipt
The samples were received on 6/27/2024 7:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.9°C.

Receipt Exceptions
The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): MW-06R (885-7001-4).
The laboratory received 2 total containers, while the COC lists 1 total containers.

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: MW-3R (885-7001-1). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: MW-06R (885-7001-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Client Sample ID: MW-3R

Date Collected: 06/26/24 14:10
Date Received: 06/27/24 07:00

Lab Sample ID: 885-7001-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			07/02/24 17:19	2
Ethylbenzene	ND		2.0		ug/L			07/02/24 17:19	2
Toluene	ND		2.0		ug/L			07/02/24 17:19	2
Xylenes, Total	ND		4.0		ug/L			07/02/24 17:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*43 - 158*		*07/02/24 17:19*	*2*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Client Sample ID: MW-07R

Date Collected: 06/26/24 14:55
Date Received: 06/27/24 07:00

Lab Sample ID: 885-7001-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/02/24 17:43	1
Ethylbenzene	ND		1.0		ug/L			07/02/24 17:43	1
Toluene	ND		1.0		ug/L			07/02/24 17:43	1
Xylenes, Total	ND		2.0		ug/L			07/02/24 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*43 - 158*		*07/02/24 17:43*	*1*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Client Sample ID: MW-08

Date Collected: 06/26/24 15:50
Date Received: 06/27/24 07:00

Lab Sample ID: 885-7001-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			07/02/24 18:07	1
Ethylbenzene	ND		1.0		ug/L			07/02/24 18:07	1
Toluene	ND		1.0		ug/L			07/02/24 18:07	1
Xylenes, Total	ND		2.0		ug/L			07/02/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*43 - 158*		*07/02/24 18:07*	*1*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Client Sample ID: MW-06R

Date Collected: 06/26/24 13:30
Date Received: 06/27/24 07:00

Lab Sample ID: 885-7001-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.6		2.0		ug/L			07/02/24 18:54	2
Ethylbenzene	39		2.0		ug/L			07/02/24 18:54	2
Toluene	2.6		2.0		ug/L			07/02/24 18:54	2
Xylenes, Total	150		4.0		ug/L			07/02/24 18:54	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*213*	*S1+*	*43 - 158*		*07/02/24 18:54*	*2*

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Method: 8021B - Volatile Organic Compounds (GC)

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

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

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

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

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

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

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

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

Lab Sample ID: 885-7001-1 MS
Matrix: Water
Analysis Batch: 7863

Client Sample ID: MW-3R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	17.6		ug/L		82	70 - 130		
Ethylbenzene	ND		20.0	17.1		ug/L		80	70 - 130		
m&p-Xylene	ND		40.0	34.6		ug/L		86	70 - 130		
o-Xylene	ND		20.0	16.9		ug/L		85	70 - 130		
Toluene	ND		20.0	17.1		ug/L		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*43 - 158*

Lab Sample ID: 885-7001-1 MSD
Matrix: Water
Analysis Batch: 7863

Client Sample ID: MW-3R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	16.6		ug/L		77	70 - 130	6	20
Ethylbenzene	ND		20.0	16.2		ug/L		76	70 - 130	5	20
m&p-Xylene	ND		40.0	33.2		ug/L		83	70 - 130	4	20
o-Xylene	ND		20.0	16.1		ug/L		81	70 - 130	5	20
Toluene	ND		20.0	15.6		ug/L		78	70 - 130	9	20

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

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

Lab Sample ID: 885-7001-1 MSD
Matrix: Water
Analysis Batch: 7863

Client Sample ID: MW-3R
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		43 - 158

QC Association Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

GC VOA

Analysis Batch: 7863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7001-1	MW-3R	Total/NA	Water	8021B	
885-7001-2	MW-07R	Total/NA	Water	8021B	
885-7001-3	MW-08	Total/NA	Water	8021B	
885-7001-4	MW-06R	Total/NA	Water	8021B	
MB 885-7863/16	Method Blank	Total/NA	Water	8021B	
LCS 885-7863/15	Lab Control Sample	Total/NA	Water	8021B	
885-7001-1 MS	MW-3R	Total/NA	Water	8021B	
885-7001-1 MSD	MW-3R	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Client Sample ID: MW-3R
Lab Sample ID: 885-7001-1
Date Collected: 06/26/24 14:10
Matrix: Water
Date Received: 06/27/24 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	7863	JP	EET ALB	07/02/24 17:19

Client Sample ID: MW-07R
Lab Sample ID: 885-7001-2
Date Collected: 06/26/24 14:55
Matrix: Water
Date Received: 06/27/24 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7863	JP	EET ALB	07/02/24 17:43

Client Sample ID: MW-08
Lab Sample ID: 885-7001-3
Date Collected: 06/26/24 15:50
Matrix: Water
Date Received: 06/27/24 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	7863	JP	EET ALB	07/02/24 18:07

Client Sample ID: MW-06R
Lab Sample ID: 885-7001-4
Date Collected: 06/26/24 13:30
Matrix: Water
Date Received: 06/27/24 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	7863	JP	EET ALB	07/02/24 18:54

Laboratory References:

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

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-7001-1

Laboratory: Eurofins Albuquerque

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Toluene
8021B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Harvest

Attn: Jennifer Deal

Mailing Address:

Phone #:

email or Fax#: jdeal@harvestmidstream.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Florance 40

Project #:

Project Manager: Reece Hanson

Sampler: SC

On Ice: ☑ Yes ☐ No 4091

# of Coolers: 1

Cooler Temp(Including CF): 3.8+0.1= 3.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORA

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

885-7001 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
6/26	14:10	H2O	MW3R	Voa 3	HgCl2	1	X									
1	14:55	1	MW07R	1	1	2	1									
1	15:50	1	MW08	1	1	3	1									
1	13:30	1	MW06R 2	~~VOA~~ VOA	HCl HgCl	4	1									
			per containers received. Inc 6/27/24	~~HSC~~												

Date:	Time	Relinquished by:	Received by:	Via:	Date	Time
6/26	17:27	Seema Gandh			6/26/24	1727
Date:	Time	Relinquished by:	Received by:	Via:	Date	Time
6/26/24	1740			Courier	6/27/24	7:00

Remarks:

PST CC: ~~RHSC~~

rmanson@ensolum.com

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

Login Sample Receipt Checklist

Client: Harvest Job Number: 885-7001-1

Login Number: 7001 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/2/2024 12:38:38 AM

JOB DESCRIPTION

Florance 40

JOB NUMBER

885-12219-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
10/2/2024 12:38:38 AM

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

Client: Harvest
Project/Site: Florance 40

Laboratory Job ID: 885-12219-1

Table of Contents

Definitions/Glossary

Client: Harvest Job ID: 885-12219-1
Project/Site: Florance 40

Glossary

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

Case Narrative

Client: Harvest
Project: Florance 40

Job ID: 885-12219-1

Job ID: 885-12219-1 Eurofins Albuquerque

Job Narrative
885-12219-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 9/20/2024 7:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

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

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Client Sample ID: MW-03R

Date Collected: 09/19/24 11:50
Date Received: 09/20/24 07:15

Lab Sample ID: 885-12219-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			09/25/24 23:30	2
Ethylbenzene	ND		2.0		ug/L			09/25/24 23:30	2
Toluene	ND		2.0		ug/L			09/25/24 23:30	2
Xylenes, Total	**7.3**		4.0		ug/L			09/25/24 23:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*43 - 158*		*09/25/24 23:30*	*2*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Client Sample ID: MW-06R

Date Collected: 09/19/24 11:23
Date Received: 09/20/24 07:15

Lab Sample ID: 885-12219-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			09/25/24 23:52	2
Ethylbenzene	ND		2.0		ug/L			09/25/24 23:52	2
Toluene	ND		2.0		ug/L			09/25/24 23:52	2
Xylenes, Total	**16**		4.0		ug/L			09/25/24 23:52	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*		*43 - 158*		*09/25/24 23:52*	*2*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Client Sample ID: MW-07

Date Collected: 09/19/24 12:35
Date Received: 09/20/24 07:15

Lab Sample ID: 885-12219-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			09/26/24 00:13	2
Ethylbenzene	ND		2.0		ug/L			09/26/24 00:13	2
Toluene	ND		2.0		ug/L			09/26/24 00:13	2
Xylenes, Total	ND		4.0		ug/L			09/26/24 00:13	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*43 - 158*		*09/26/24 00:13*	*2*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Client Sample ID: MW-08

Date Collected: 09/19/24 13:10
Date Received: 09/20/24 07:15

Lab Sample ID: 885-12219-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			09/26/24 00:35	2
Ethylbenzene	ND		2.0		ug/L			09/26/24 00:35	2
Toluene	ND		2.0		ug/L			09/26/24 00:35	2
Xylenes, Total	ND		4.0		ug/L			09/26/24 00:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*43 - 158*		*09/26/24 00:35*	*2*

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-13060/3
Matrix: Water
Analysis Batch: 13060

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			09/25/24 18:05	1
Ethylbenzene	ND		1.0		ug/L			09/25/24 18:05	1
Toluene	ND		1.0		ug/L			09/25/24 18:05	1
Xylenes, Total	ND		2.0		ug/L			09/25/24 18:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*43 - 158*		*09/25/24 18:05*	*1*

Lab Sample ID: LCS 885-13060/2
Matrix: Water
Analysis Batch: 13060

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	21.1		ug/L		105	70 - 130		
Ethylbenzene			20.0	21.2		ug/L		106	70 - 130		
m&p-Xylene			40.0	42.5		ug/L		106	70 - 130		
o-Xylene			20.0	21.0		ug/L		105	70 - 130		
Toluene			20.0	21.4		ug/L		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*43 - 158*

Lab Sample ID: 885-12219-4 MS
Matrix: Water
Analysis Batch: 13060

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		20.0	19.6		ug/L		98	70 - 130		
Ethylbenzene	ND		20.0	19.9		ug/L		99	70 - 130		
m&p-Xylene	ND		40.0	39.4		ug/L		98	70 - 130		
o-Xylene	ND		20.0	19.7		ug/L		98	70 - 130		
Toluene	ND		20.0	19.8		ug/L		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*43 - 158*

Lab Sample ID: 885-12219-4 MSD
Matrix: Water
Analysis Batch: 13060

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		20.0	19.5		ug/L		97	70 - 130	1	20
Ethylbenzene	ND		20.0	19.9		ug/L		100	70 - 130	0	20
m&p-Xylene	ND		40.0	39.6		ug/L		99	70 - 130	1	20
o-Xylene	ND		20.0	19.6		ug/L		98	70 - 130	1	20
Toluene	ND		20.0	19.8		ug/L		99	70 - 130	0	20

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

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

Lab Sample ID: 885-12219-4 MSD
Matrix: Water
Analysis Batch: 13060

Client Sample ID: MW-08
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		43 - 158

QC Association Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

GC VOA

Analysis Batch: 13060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12219-1	MW-03R	Total/NA	Water	8021B	
885-12219-2	MW-06R	Total/NA	Water	8021B	
885-12219-3	MW-07	Total/NA	Water	8021B	
885-12219-4	MW-08	Total/NA	Water	8021B	
MB 885-13060/3	Method Blank	Total/NA	Water	8021B	
LCS 885-13060/2	Lab Control Sample	Total/NA	Water	8021B	
885-12219-4 MS	MW-08	Total/NA	Water	8021B	
885-12219-4 MSD	MW-08	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Client Sample ID: MW-03R
Lab Sample ID: 885-12219-1
Date Collected: 09/19/24 11:50
Matrix: Water
Date Received: 09/20/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	13060	AT	EET ALB	09/25/24 23:30

Client Sample ID: MW-06R
Lab Sample ID: 885-12219-2
Date Collected: 09/19/24 11:23
Matrix: Water
Date Received: 09/20/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	13060	AT	EET ALB	09/25/24 23:52

Client Sample ID: MW-07
Lab Sample ID: 885-12219-3
Date Collected: 09/19/24 12:35
Matrix: Water
Date Received: 09/20/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	13060	AT	EET ALB	09/26/24 00:13

Client Sample ID: MW-08
Lab Sample ID: 885-12219-4
Date Collected: 09/19/24 13:10
Matrix: Water
Date Received: 09/20/24 07:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	13060	AT	EET ALB	09/26/24 00:35

Laboratory References:

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

Accreditation/Certification Summary

Client: Harvest
Project/Site: Florance 40

Job ID: 885-12219-1

Laboratory: Eurofins Albuquerque

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Toluene
8021B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Harvest Midstream

Attn: Monica Smith

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
5-day
☒ Standard ☐ Rush

Project Name:
Florance 40

Project #:

Project Manager:
Reece Hanson

Sampler: GP
On Ice: ☒ Yes ☐ No chucky
# of Coolers: 1
Cooler Temp(including CF): 5.8-0.1=5.7 (°C)

HALL ENVIRONM
ANALYSIS LABO
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87
Tel. 505-345-3975 Fax 505-345-4107

885-12219 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9-19	1150	GW	MW 03R	3 voas	HgCl	1	X									
↓	1123	↓	"~~MW04~~ MW06R	↓	HCl	2	X									
↓	1235	↓	"~~MW06R~~ MW07	↓	↓	3	X									
↓	1310	↓	~~MW~~ 08	↓	↓	4	X									

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9-19	1439				9/19/24	1439
9/19/24	1724			courier	9/20/24	7:15

Remarks:
cc: RHanson@ensolum.com
gpalese@ensolum.com

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

Login Sample Receipt Checklist

Client: Harvest Job Number: 885-12219-1

Login Number: 12219 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/19/2024 5:13:40 PM

JOB DESCRIPTION

Florance 40

JOB NUMBER

885-17029-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

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

Authorization

Generated
12/19/2024 5:13:40 PM

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

Client: Harvest
Project/Site: Florance 40

Laboratory Job ID: 885-17029-1

Table of Contents

Definitions/Glossary

Client: Harvest Job ID: 885-17029-1
Project/Site: Florance 40

Glossary

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

Case Narrative

Client: Harvest
Project: Florance 40

Job ID: 885-17029-1

Job ID: 885-17029-1 Eurofins Albuquerque

Job Narrative
885-17029-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt
The samples were received on 12/14/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

GC VOA
Method 8021B: The following sample(s) was received unpreserved and presented a pH between 5-8. Analysis was performed within 7 days per EPA recommendation: MW03R (885-17029-4) .

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

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Client Sample ID: MW07R

Date Collected: 12/13/24 10:35
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 11:38	1
Ethylbenzene	**1.3**		1.0		ug/L			12/18/24 11:38	1
Toluene	ND		1.0		ug/L			12/18/24 11:38	1
Xylenes, Total	**2.5**		2.0		ug/L			12/18/24 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*43 - 158*		*12/18/24 11:38*	*1*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Client Sample ID: MW06R

Date Collected: 12/13/24 09:40
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.4**		2.0		ug/L			12/18/24 03:53	2
Ethylbenzene	**46**		2.0		ug/L			12/18/24 03:53	2
Toluene	ND		2.0		ug/L			12/18/24 03:53	2
Xylenes, Total	**57**		4.0		ug/L			12/18/24 03:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*		*43 - 158*		*12/18/24 03:53*	*2*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Client Sample ID: MW08

Date Collected: 12/13/24 10:10
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 04:40	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 04:40	1
Toluene	ND		1.0		ug/L			12/18/24 04:40	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*43 - 158*		*12/18/24 04:40*	*1*

Client Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Client Sample ID: MW03R

Date Collected: 12/13/24 09:15
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0		ug/L			12/18/24 05:03	2
Ethylbenzene	ND		2.0		ug/L			12/18/24 05:03	2
Toluene	ND		2.0		ug/L			12/18/24 05:03	2
Xylenes, Total	**4.5**		4.0		ug/L			12/18/24 05:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*43 - 158*		*12/18/24 05:03*	*2*

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-17969/35
Matrix: Water
Analysis Batch: 17969

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/17/24 23:14	1
Ethylbenzene	ND		1.0		ug/L			12/17/24 23:14	1
Toluene	ND		1.0		ug/L			12/17/24 23:14	1
Xylenes, Total	ND		2.0		ug/L			12/17/24 23:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*43 - 158*		*12/17/24 23:14*	*1*

Lab Sample ID: LCS 885-17969/34
Matrix: Water
Analysis Batch: 17969

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.1		ug/L		100	70 - 130		
Ethylbenzene			20.0	21.8		ug/L		109	70 - 130		
m,p-Xylene			40.0	42.3		ug/L		106	70 - 130		
o-Xylene			20.0	21.1		ug/L		105	70 - 130		
Toluene			20.0	21.1		ug/L		106	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*43 - 158*

Lab Sample ID: MB 885-17997/6
Matrix: Water
Analysis Batch: 17997

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0		ug/L			12/18/24 10:51	1
Ethylbenzene	ND		1.0		ug/L			12/18/24 10:51	1
Toluene	ND		1.0		ug/L			12/18/24 10:51	1
Xylenes, Total	ND		2.0		ug/L			12/18/24 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*43 - 158*		*12/18/24 10:51*	*1*

Lab Sample ID: LCS 885-17997/5
Matrix: Water
Analysis Batch: 17997

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			20.0	20.3		ug/L		101	70 - 130		
Ethylbenzene			20.0	21.6		ug/L		108	70 - 130		
m,p-Xylene			40.0	42.6		ug/L		106	70 - 130		
o-Xylene			20.0	21.1		ug/L		105	70 - 130		
Toluene			20.0	21.5		ug/L		107	70 - 130		

QC Sample Results

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

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

Lab Sample ID: LCS 885-17997/5
Matrix: Water
Analysis Batch: 17997

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*105*		*43 - 158*

QC Association Summary

Client: Harvest
Job ID: 885-17029-1
Project/Site: Florance 40

GC VOA

Analysis Batch: 17969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17029-2	MW06R	Total/NA	Water	8021B	
885-17029-3	MW08	Total/NA	Water	8021B	
885-17029-4	MW03R	Total/NA	Water	8021B	
MB 885-17969/35	Method Blank	Total/NA	Water	8021B	
LCS 885-17969/34	Lab Control Sample	Total/NA	Water	8021B	

Analysis Batch: 17997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17029-1	MW07R	Total/NA	Water	8021B	
MB 885-17997/6	Method Blank	Total/NA	Water	8021B	
LCS 885-17997/5	Lab Control Sample	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest
Project/Site: Florance 40

Job ID: 885-17029-1

Client Sample ID: MW07R
Date Collected: 12/13/24 10:35
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17997	JP	EET ALB	12/18/24 11:38

Client Sample ID: MW06R
Date Collected: 12/13/24 09:40
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	17969	JP	EET ALB	12/18/24 03:53

Client Sample ID: MW08
Date Collected: 12/13/24 10:10
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	17969	JP	EET ALB	12/18/24 04:40

Client Sample ID: MW03R
Date Collected: 12/13/24 09:15
Date Received: 12/14/24 07:30

Lab Sample ID: 885-17029-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	17969	JP	EET ALB	12/18/24 05:03

Laboratory References:

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

Accreditation/Certification Summary

Client: Harvest
Job ID: 885-17029-1
Project/Site: Florance 40

Laboratory: Eurofins Albuquerque

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Benzene
8021B		Water	Ethylbenzene
8021B		Water	Toluene
8021B		Water	Xylenes, Total

Oregon	NELAP	NM100001	02-25-25

Chain-of-Custody Record

Client: Harvest Midstream
ATTN: Jennifer Nygaren
Mailing Address: jdeal@harvestmidstream.com
Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5-day
Project Name: Florance 40
Project #:
Project Manager: Reece Hanson rhanson@ensolum.com
Sampler: NP
On Ice: ☒ Yes ☐ No mojo
# of Coolers: 1
Cooler Temp(including CF): 3.1-0.3=2.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-17029 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/13	1035	GW	MW07R	3 VOAs	HCl	1	X									
"	940	GW	MW06R	"	"	2	X									
"	1010	GW	MW08	"	"	3	X									
↓	915	GW	MW03R	↓	NONE	4	X									

Date	Time	Relinquished by	Received by	Via	Date	Time
12/13	1128	[signature]	[signature]		12/13/24	1128
12/13/24	1745	[signature]	[signature]	courier	12/14/24	7:30

Remarks: *cc: npottala@ensolum.com
MW03R is a non-preservative VOA
ecarroll@ensolum.com

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

Login Sample Receipt Checklist

Client: Harvest Job Number: 885-17029-1

Login Number: 17029 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 444000
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2024 Annual Groundwater Monitoring Report for Florance #40: content satisfactory for receipt, but not for closure. 1. If Harvest Four Corners has met the rule and requirements for closure and abatement termination in 19.15.30 NMAC, please submit a stand-alone abatement termination report to OCD via the groundwater OCD portal. (If one has not already been submitted for the incident). 2. The 2024 annual groundwater report has been accepted for the record. The abatement completion report will be under review for determination.	4/23/2025