



March 28, 2025

**New Mexico Oil Conservation Division**

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

**Re: 2024 Annual Groundwater Report**

Dogie East Pit  
Rio Arriba County, New Mexico  
Harvest Four Corners, LLC  
NMOCD Incident No: nAUTOfAB000124  
Remediation Permit Number 3RP-312-0

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this report describing activities conducted at the Dogie East Pit (Site), Remediation Permit Number 3RP-312-0, between January 2024 and December 2024. The scope of work for this project was continued remediation and monitoring of petroleum hydrocarbon impacts to groundwater resulting from the operation of a former lined pit used to collect drip gas and water from a condensate tank.

## LOCATION

The Site is located in Unit D, Section 4, Township 25 North, Range 6 West (Figure 1). The Site is on the west flank of Largo Wash in the San Juan Basin in Rio Arriba County, New Mexico.

## HISTORY

The original source of impacted groundwater is associated with a former lined pit used to collect drip gas and water from a condensate tank. Approximately 526 cubic yards of petroleum hydrocarbon-impacted soil were removed in July 1997 and an additional 4,888 cubic yards of petroleum hydrocarbon-impacted soil were removed in October 1997. Groundwater was encountered at 14 feet below ground surface (bgs) in the excavation, and groundwater samples originally contained benzene, toluene, ethylbenzene, and total xylenes (BTEX), sulfate, and chloride concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) standards. The excavation was left open through March 1998 and sampled again, at which time only benzene, sulfate, and chloride concentrations exceeded NMWQCC standards. The excavation was subsequently backfilled, and in May 1998, groundwater monitoring wells MW01, MW02, MW03, and MW04 were installed. In December 1998, monitoring well MW-5 and a 4-inch soil vapor extraction (SVE) well were installed and a remediation pilot test was conducted; however, SVE was never implemented as a remedial technology at the Site.

In 1999, additional downgradient monitoring wells MW06, MW07, MW08, and MW09 were installed. Williams Four Corners LLC (Williams) purchased the Gas Company of New Mexico (GCNM) facility from Public Service Company of New Mexico (PNM) in 2000, which included retaining environmental liability for the former lined pit. Between 2000 and December 2012,

Williams monitored groundwater in the monitoring wells at the Site and recovered phase-separated hydrocarbons (PSH) from monitoring well MW06. Monitoring well MW04 was observed to have been destroyed during the March 2013 Site visit. It was not replaced due to its location outside the existing extent of impacted groundwater. Additionally, monitoring well MW09 was plugged and abandoned on October 13, 2013, due to its location outside the existing extent of impacted groundwater. Williams installed four new downgradient monitoring wells (MW10, MW11, MW12, and MW13) on October 13, 2013, to further delineate the impacted groundwater plume.

On September 13, 2013, Williams collected a sample of PSH from monitoring well MW06 for analysis of paraffins, isoparaffins, aromatics, naphthalenes, and olefins (PIANO) to identify the chemical composition of the PSH and evaluate the potential origin of the source. The source was confirmed to be natural gas condensate. On November 1, 2013, Williams conducted a PSH bail-down test at monitoring well MW06 to assess potential product recovery options. Much of the accumulated PSH was removed during the bail-down test.

Williams installed monitoring wells MW14, MW15, and MW16 on October 4 and 10, 2017, to continue delineating the groundwater impacts at the Site. On March 14, 2018, Williams installed a solar powered pneumatic PSH recovery system in monitoring well MW06. On October 1, 2018, Harvest purchased the Site from Williams and continued the use of the solar powered pneumatic PSH recovery system in monitoring well MW06. In August and September 2019, additional monitoring wells MW17, MW18, MW19, and MW20 were installed for further groundwater impact delineation. An additional PSH recovery pump was installed in monitoring well MW-7 in August 2020. The PSH recovery pump was removed from the Site on August 19, 2022, and installed at a different Harvest location.

Harvest installed four additional monitoring wells in October 2024 to delineate dissolved phase plume migration and to pilot test for remediation options. Monitoring wells MW21, MW22, MW23, MW24 were installed in the locations shown on Figure 2.

## 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 (COC) 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.

## SCOPE OF WORK

Site activities conducted in 2024 included the following:

- Monitoring for PSH in all monitoring wells on a quarterly basis;
- Removing PSH from monitoring wells through active and passive recovery techniques;
- Collecting groundwater samples semi-annually in monitoring wells MW03, MW05, MW06, MW07, and MW10 through MW20;
- Installing 4 additional monitoring wells MW21, MW22, MW23, and MW24 to monitor plume migration; and
- Develop and sample new monitoring wells.

## WATER AND PSH LEVEL MEASUREMENTS

Groundwater and PSH monitoring included recording depth to PSH and depth to groundwater measurements at all monitoring wells with an oil/water interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with distilled water prior to each measurement. Depth to groundwater and groundwater elevations are presented in Table 1.

## GROUNDWATER CONTOUR MAPS

Ensolum used existing top-of-casing well elevations and measured groundwater elevations to draft groundwater contours and determine groundwater flow direction in March 2024 (Figure 2), June 2024 (Figure 3), September 2024 (Figure 4), and November 2024 (Figure 5). Contours were inferred based on groundwater elevations obtained and observations of physical characteristics at the Site (topography, proximity to arroyos and intermittent streams, etc.).

## GROUNDWATER SAMPLING

In March 2024 and September/October 2024, the monitoring wells were purged using dedicated polyethylene bailers on each well. Monitoring wells were purged until a total of three casing volumes or the well purged dry, indicating groundwater would be representative of aquifer conditions. Temperature, pH, and electric conductivity (EC) parameters were also recorded from each monitoring well as groundwater was purged. Purge water was containerized and disposed of on Site. Copies of the field notes are presented in Appendix A.

Once each monitoring well was purged, groundwater samples were collected by filling three 40-milliliter (mL) glass vials. The laboratory-supplied vials were filled and capped with no headspace to prevent degradation of the sample. Samples were labeled with the date and time of collection, monitoring well name, project name, sample collector's name, and parameters to be analyzed. They were immediately sealed, packed on ice, and submitted to Eurofins Environment Testing (Eurofins) in Albuquerque, New Mexico for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B. Groundwater analytical results are presented in Table 2.

## PSH RECOVERY

The PSH recovery pumps were removed from both monitoring wells MW06 and MW07 in August 2022 and the solar powered pneumatic PSH recovery system was moved to another Harvest site. Passive PSH recovery absorbent socks were installed in monitoring wells MW03, MW05, MW06, MW07, and MW12. Approximately 23 ounces of PSH was recovered using the PSH recovery socks from the above monitoring wells with during 2024.

## GROUNDWATER MONITORING RESULTS

Depth to groundwater and depth to PSH were measured during the 2024 quarterly monitoring events. Groundwater flow direction was determined to be west-northwest at the Site (Figures 2, 3, 4, and 5), which is consistent with previous monitoring events. Measurable PSH was not observed in any of the monitoring wells during 2024 monitoring events.

The following summarizes groundwater analytical results for the semi-annual monitoring events conducted in 2024:

- March 2024
  - Laboratory analytical results indicate benzene concentrations in groundwater in monitoring wells MW06, and MW12 exceeded the applicable standard of 10 micrograms per liter (µg/L) with concentrations ranging from 1,600 µg/L to 2,600 µg/L.
  - Laboratory analytical results indicate total xylenes concentration in monitoring well MW06 exceeded the applicable standard of 620 µg/L with a concentration of 1,000 µg/L.
- September 2024:
  - Analytical results indicate benzene concentrations in groundwater exceeded the applicable standard in monitoring wells MW06, MW07, MW12, MW19, and MW22 with concentrations ranging from 19 µg/L to 5,100 µg/L.
  - Laboratory analytical results indicate total xylenes concentration in monitoring well MW06 and MW07 exceeded the applicable standard with a concentration of 1,200 and 1,400 µg/L respectively.

Concentrations of all other constituents of concern were either not detected above the laboratory reporting limit or were in compliance with the applicable NMWQCC standards during the 2024 sampling events. Analytical results are listed in Table 2 and presented on Figures 2 and 4. Laboratory analytical reports are included in Appendix B.

## DRILLING AND SOIL SAMPLING

Drilling and soil sampling activities were conducted on October 2, 2024. During drilling activities, an Ensolum geologist logged subsurface lithology, inspected for petroleum hydrocarbon staining and odors, and field screened for volatile organic compounds (VOCs), with results noted on field logs (included in Appendix C). In general, sandy silt was encountered to the terminal depth of each boring. Groundwater was also encountered at approximately 8 to 10 feet below ground surface in each boring.

Soil samples were collected where field screening indicated the greatest potential impacts. Soil samples were collected directly into laboratory-provided jars and immediately placed on ice. The samples were submitted to Eurofins Environment Testing for laboratory analysis of TPH, BTEX, and chloride. Soil sample analytical results indicate total petroleum hydrocarbons exceeded the applicable NMOCD Table I Closure Criteria for soil in one soil sample collected from well MW24 at a depth of 10 feet bgs. Based on the analytical data, all other analyzed constituents were either not detected above the laboratory reporting limit or were in compliance with the applicable NMOCD Closure Criteria. Soil analytical results are summarized in Table 3, with complete laboratory analytical reports included in Appendix B.



## CONCLUSIONS

PSH thickness has declined to undetectable thickness at the Site. As such, the solar powered pneumatic PSH recovery system was removed from Site in 2022 due to the lack of detectable PSH.

Groundwater samples from monitoring wells exhibited benzene and total xylenes concentrations exceeding NMWQCC standards for groundwater. However, constituent concentrations have generally declined at the Site with some seasonal variability in monitoring wells across the Site.

Monitoring wells MW21 through MW24 were installed at the Site to further delineate dissolved phase hydrocarbons in the groundwater. One soil sample collected from well MW24 contained TPH concentrations exceeding the NMOCD Table I Closure Criteria; however, this sample was collected at the vadose/saturated zone interface and the TPH concentration is likely due to dissolved phase constituents present in the groundwater.

## FUTURE WORK

Harvest will continue to measure depth to groundwater and depth to PSH quarterly in all monitoring wells. Groundwater samples will be collected semi-annually and analyzed for BTEX from monitoring wells MW03, MW05, MW06, MW07, MW08, MW10 through MW24 if there is sufficient water and no PSH is present. Passive PSH recovery will consist of quarterly PSH bailing and product absorbent sock replacement during quarterly visits if PSH is observed. If PSH thickness levels increase in any monitoring wells, the solar powered pneumatic PSH recovery system may be reinstalled.

Harvest plans to continue to evaluate remediation options for dissolved phase hydrocarbon impacts.

We appreciate 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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**Attachments:**

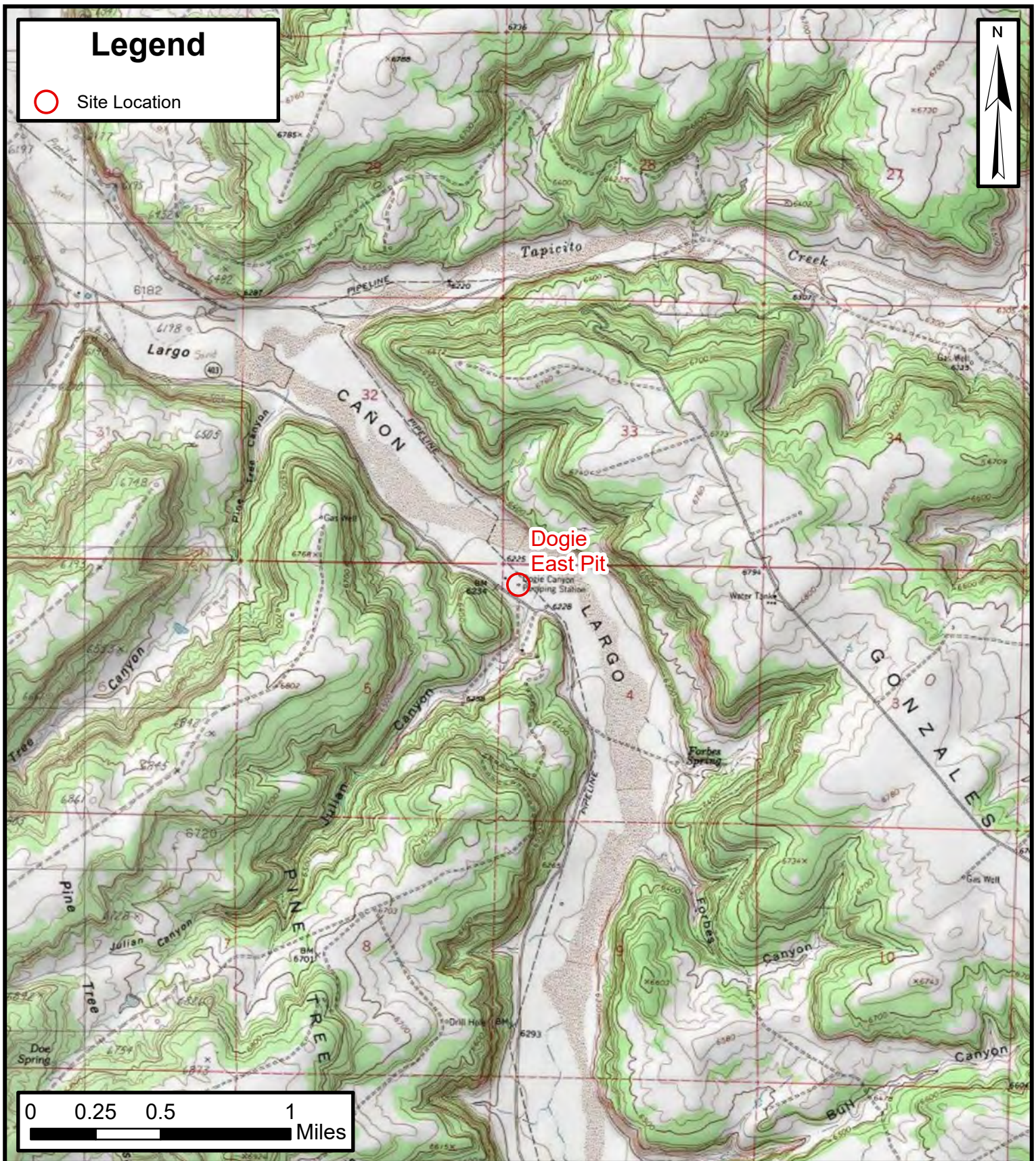
Figure 1:	Site Location Map
Figure 2:	Groundwater Potentiometric & Analytical Results Map March 2024
Figure 3:	Groundwater Elevation Contour Map June 2024
Figure 4:	Groundwater Potentiometric & Analytical Results Map September/October 2024
Figure 5:	Groundwater Elevation Contour Map November 2024
Table 1:	Groundwater Elevations
Table 2:	Groundwater Analytical Results
Table 3:	Soil Analytical Results
Appendix A:	Groundwater Collection Forms
Appendix B:	Laboratory Analytical Reports
Appendix C:	Drilling Logs



FIGURES

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## Site Location Map

Dogie East Pit

Harvest Four Corners, LLC

36.43414, -107.48052

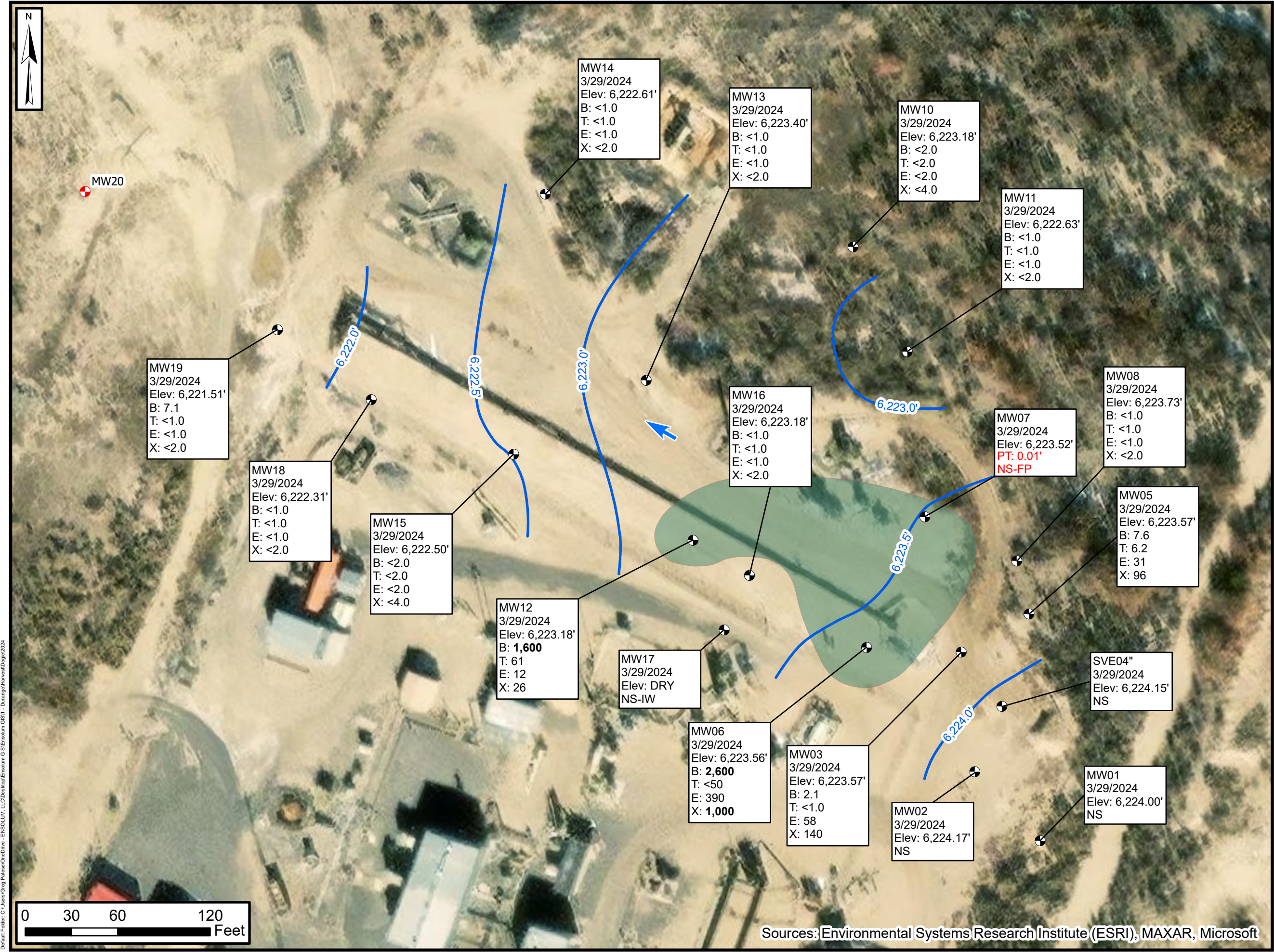
Rio Arriba County, New Mexico

FIGURE

1







### Legend

- Destroyed Monitoring Well
- Monitoring Well
- Estimated Benzene Plume
- Groundwater Elevation Contours
- Estimated Groundwater Flow Direction

Notes:  
Elev: Elevation in Feet Above Mean Sea Level  
B: Benzene (Micrograms per Liter) (µg/L)  
T: Toluene (µg/L)  
E: Ethylbenzene (µg/L)  
X: Total Xylenes (µg/L)  
< : Indicates Results is Below Laboratory Reporting Limit  
**Bold:** Indicates Results Exceed NMWQCC Water Quality Standards  
NMWQCC: New Mexico Water Quality Conservation Commission  
PT: Product Thickness in feet  
NS-FP: Not Sampled Free Product  
NS-IW: Not Sampled Insufficient Water  
NS: Not Sampled

### Groundwater Potentiometric & Analytical Results Map

March 2024

Dogie East Pit  
Harvest Four Corners, LLC

36.43414, -107.48052  
Rio Arriba County, New Mexico

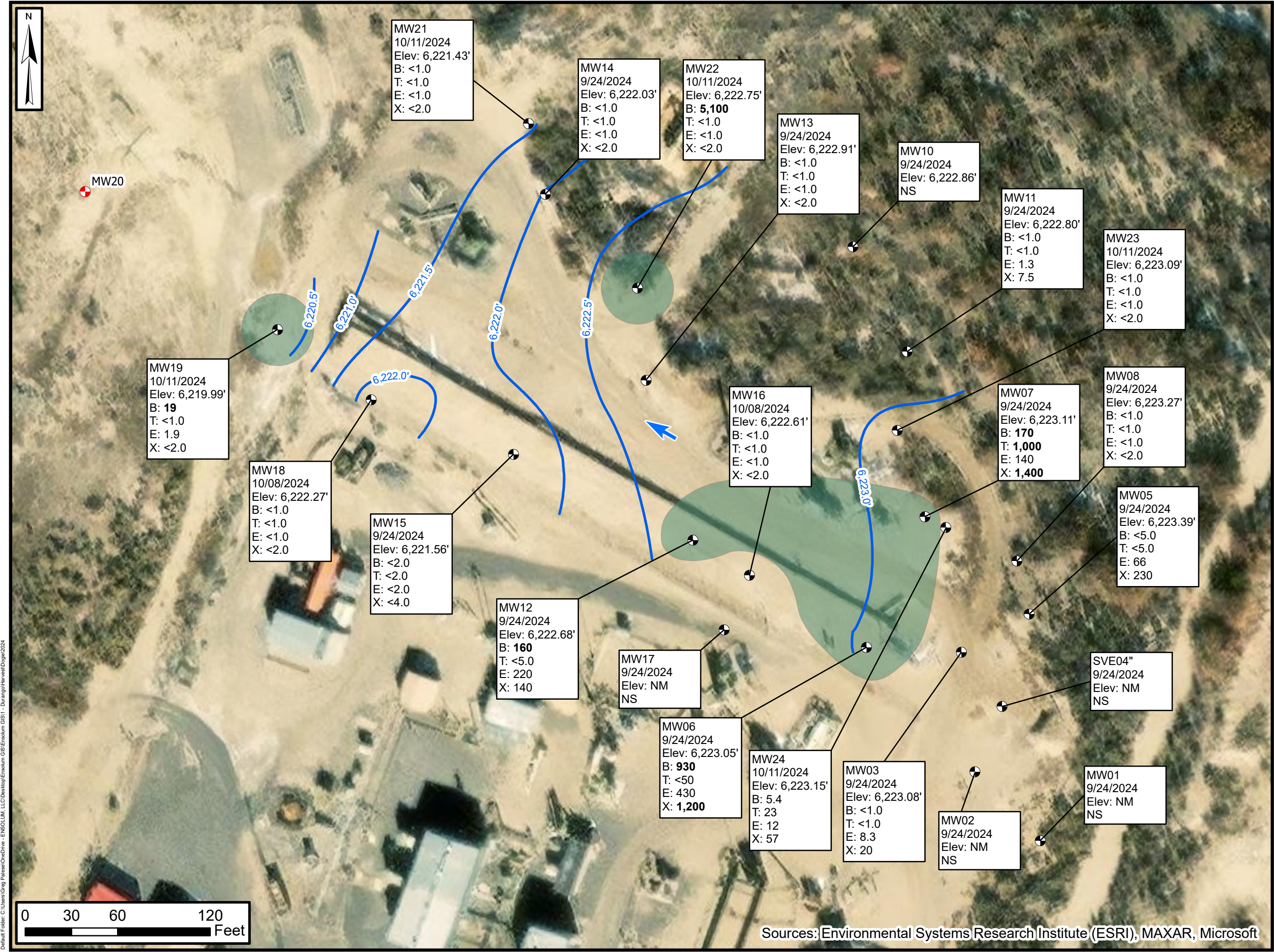
## Figure 2

Environmental, Engineering and Hydrogeologic Consultants









### Legend

- Destroyed Monitoring Well
- Monitoring Well
- Estimated Benzene Plume
- Groundwater Elevation Contours
- Estimated Groundwater Flow Direction

Notes:

Elev: Elevation in Feet Above Mean Sea Level

B: Benzene (Micrograms per Liter) (µg/L)

T: Toluene (µg/L)

E: Ethylbenzene (µg/L)

X: Total Xylenes (µg/L)

< : Indicates Results is Below Laboratory Reporting Limit

**Bold:** Indicates Results Exceed NMWQCC Water Quality Standards

NMWQCC: New Mexico Water Quality Conservation Commission

PT: Product Thickness in feet

NS-FP: Not Sampled Free Product

NS-IW: Not Sampled Insufficient Water

NS: Not Sampled

NA: Not Analyzed

### Figure 4

Environmental, Engineering and Hydrogeologic Consultants









TABLES



**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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	3/6/2013	6,253.79	15.45	NP	NP	6,238.34
	6/25/2013	6,239.41*	15.64	NP	NP	6,223.77
	9/24/2013		14.88	NP	NP	6,224.53
	12/5/2013		14.63	NP	NP	6,224.78
	3/20/2014		14.26	NP	NP	6,225.15
	6/16/2014		15.01	NP	NP	6,224.40
	9/10/2014		15.11	NP	NP	6,224.30
	12/3/2014		14.80	NP	NP	6,224.61
	3/5/2015		14.09	NP	NP	6,225.32
	6/18/2015		14.52	NP	NP	6,224.89
	9/23/2015		14.92	NP	NP	6,224.49
	12/18/2015		14.46	NP	NP	6,224.95
	9/12/2016		15.42	NP	NP	6,223.99
	3/28/2017		14.23	NP	NP	6,225.18
	10/30/2017	6,239.14**	14.69	NP	NP	6,224.45
	3/28/2018		14.45	NP	NP	6,224.69
	9/14/2018		16.18	NP	NP	6,222.96
	3/28/2019		15.54	NP	NP	6,223.60
	5/16/2019		14.65	NP	NP	6,224.49
	8/13/2019		15.69	NP	NP	6,223.45
	9/23/2019	6,239.58***	16.04	NP	NP	6,223.54
	3/18/2020		15.35	NP	NP	6,224.23
	6/11/2020		15.91	NP	NP	6,223.67
	9/22/2020		16.58	NP	NP	6,223.00
	12/18/2020		16.32	NP	NP	6,223.26
	3/4/2021		16.15	NP	NP	6,223.43
	5/27/2021		16.36	NP	NP	6,223.22
	8/24/2021		16.50	NP	NP	6,223.08
	12/9/2021		15.97	NP	NP	6,223.61
	3/10/2022		15.67	NP	NP	6,223.91
	5/17/2022		16.06	NP	NP	6,223.52
	9/6/2022		14.46	NP	NP	6,225.12
	11/8/2022		14.89	NP	NP	6,224.69
	3/8/2023		14.35	NP	NP	6,225.23
	6/26/2023		14.98	NP	NP	6,224.60
	9/19/2023		15.45	NP	NP	6,224.13
	12/11/2023		15.63	NP	NP	6,223.95
	3/29/2024		15.58	NP	NP	6,224.00
	6/6/2024		15.78	NP	NP	6,223.80
	9/24/2024		NM	NM	NM	NM
	11/26/2024		15.48	NP	NP	6,224.10
MW02	9/23/2015	6,239.57*	15.17	NP	NP	6,224.40
	12/18/2015		14.69	NP	NP	6,224.88
	9/12/2016		15.40	NP	NP	6,224.17
	3/28/2017		14.58	NP	NP	6,224.99
	10/30/2017	6,239.28**	15.20	NP	NP	6,224.08
	3/28/2018		14.71	NP	NP	6,224.57
	9/14/2018		16.10	NP	NP	6,223.18





<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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)
MW02	3/28/2019	6,239.28**	14.81	NP	NP	6,224.47
	5/16/2019		14.93	NP	NP	6,224.35
	8/13/2019		15.92	NP	NP	6,223.36
	9/23/2019	6,239.74***	16.33	NP	NP	6,223.41
MW02	3/18/2020	6,239.74***	15.64	NP	NP	6,224.10
	6/11/2020		16.21	NP	NP	6,223.53
	9/22/2020		16.86	NP	NP	6,222.88
	12/18/2020		16.62	NP	NP	6,223.12
	3/4/2021		16.42	NP	NP	6,223.32
	5/27/2021		16.65	NP	NP	6,223.09
	8/24/2021		16.73	NP	NP	6,223.01
	12/9/2021		16.22	NP	NP	6,223.52
	3/10/2022		15.93	NP	NP	6,223.81
	5/17/2022		16.33	NP	NP	6,223.41
	9/6/2022		15.10	NP	NP	6,224.64
	11/8/2022		15.09	NP	NP	6,224.65
	3/8/2023		14.57	NP	NP	6,225.17
	6/26/2023		15.24	NP	NP	6,224.5
	9/19/2023		15.90	NP	NP	6,223.84
	12/11/2023		15.88	NP	NP	6,223.86
	3/29/2024		15.57	NP	NP	6,224.17
	6/6/2024		16.06	NP	NP	6,223.68
	9/24/2024		NM	NM	NM	NM
	11/26/2024		15.75	NP	NP	6,223.99
MW03	3/6/2013	6,253.35	15.40	NP	NP	6,237.95
	6/25/2013	6,238.61*	15.25	NP	NP	6,223.36
	9/24/2013		15.05	NP	NP	6,223.56
	12/5/2013		14.29	NP	NP	6,224.32
	3/20/2014		13.96	NP	NP	6,224.65
	6/16/2014		14.67	NP	NP	6,223.94
	9/10/2014		14.79	NP	NP	6,223.82
	12/3/2014		14.50	NP	NP	6,224.11
	3/5/2015		13.67	NP	NP	6,224.94
	6/18/2015		14.14	NP	NP	6,224.47
	9/23/2015		15.59	NP	NP	6,223.02
	12/18/2015		14.12	NP	NP	6,224.49
	9/12/2016		15.50	NP	NP	6,223.11
	3/28/2017		14.22	NP	NP	6,224.39
	10/30/2017	6,238.28**	14.60	NP	NP	6,223.68
	3/28/2018		14.08	NP	NP	6,224.20
	9/14/2018		15.44	NP	NP	6,222.84
	3/28/2019		14.31	NP	NP	6,223.97
	5/16/2019		14.27	NP	NP	6,224.01
	8/13/2019		15.32	NP	NP	6,222.96
	9/23/2019	6,238.79***	15.74	NP	NP	6,223.05
	3/18/2020		15.08	NP	NP	6,223.71
	6/11/2020		15.59	NP	NP	6,223.20
	9/22/2020		16.30	16.22	0.08	6,222.49



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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	12/18/2020	6,238.79***	16.09	NP	NP	6,222.70
	3/4/2021		15.89	NP	NP	6,222.90
	5/27/2021		16.10	NP	NP	6,222.69
	8/24/2021		16.00	Trace	Trace	6,222.79
	12/9/2021		15.79	NP	NP	6,223.00
	3/10/2022		15.54	15.53	0.01	6,223.25
	5/17/2022		15.78	NP	NP	6,223.01
	9/6/2022		14.57	Trace	Trace	6,224.22
MW03	11/8/2022	6,238.79***	14.74	Trace	Trace	6,224.05
	3/8/2023		13.96	NP	NP	6,224.83
	6/26/2023		14.76	NP	NP	6,224.03
	9/19/2023		15.45	NP	NP	6,223.34
	12/11/2023		15.41	NP	NP	6,223.38
	3/29/2024		15.22	NP	NP	6,223.57
	6/6/2024		DRY	NP	NP	DRY
	9/24/2024		15.71	NP	NP	6,223.08
	11/26/2024		15.41	NP	NP	6,223.38
MW04	3/6/2013	DEST	DEST	DEST	DEST	DEST
MW05	3/6/2013	6,252.71	14.60	NP	NP	6,238.11
	6/25/2013	6,238.48*	14.96	NP	NP	6,223.52
	9/24/2013		14.35	NP	NP	6,224.13
	12/5/2013		13.94	NP	NP	6,224.54
	3/20/2014		13.63	NP	NP	6,224.85
	6/16/2014		14.39	NP	NP	6,224.09
	9/10/2014		14.61	NP	NP	6,223.87
	12/3/2014		14.15	14.15†	<0.01	6,224.33
	3/5/2015		13.32	13.32†	<0.01	6,225.16
	6/18/2015		13.88	NP	NP	6,224.60
	9/23/2015		14.30	NP	NP	6,224.18
	12/18/2015		13.74	NP	NP	6,224.74
	9/12/2016		14.83	NP	NP	6,223.65
	3/28/2017		13.57	NP	NP	6,224.91
	10/30/2017	6,238.19**	14.08	NP	NP	6,224.11
	3/28/2018		13.82	NP	NP	6,224.37
	9/14/2018		15.20	NP	NP	6,222.99
	3/28/2019		13.91	NP	NP	6,224.28
	5/16/2019		13.94	NP	NP	6,224.25
	8/13/2019		15.54	NP	NP	6,222.65
	9/23/2019	6,238.65***	15.68	NP	NP	6,222.97
	3/18/2020		14.75	NP	NP	6,223.90
	6/11/2020		15.23	NP	NP	6,223.42
	9/22/2020		16.07	15.89	0.18	6,222.58
	12/18/2020		15.89	15.74	0.15	6,222.76
	3/4/2021		15.56	15.74	0.18	6,223.09
	5/27/2021		15.74	NP	NP	6,222.91
	8/24/2021		15.80	15.77	0.03	6,222.85
	12/9/2021		15.46	NP	NP	6,223.19
	3/10/2022		15.07	Trace	Trace	6,223.58



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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	5/17/2022	6,238.65***	15.38	NP	NP	6,223.27
	9/6/2022		14.13	Trace	Trace	6,224.52
	11/8/2022		14.32	Trace	Trace	6,224.33
	3/8/2023		13.81	NP	NP	6,224.84
	6/26/2023		14.41	NP	NP	6,224.24
	9/19/2023		15.5	NP	NP	6,223.15
	12/11/2023		15.04	NP	NP	6,223.61
	3/29/2024		14.75	NP	NP	6,223.90
	6/6/2024		15.13	NP	NP	6,223.52
	9/24/2024		15.26	NP	NP	6,223.39
	11/26/2024		14.87	NP	NP	6,223.78
MW06	3/6/2013	6,254.09	16.68	15.95	0.73	6,236.83
	6/25/2013	6,240.01*	17.51	16.67	0.84	6,221.83
	9/24/2013		16.88	16.03	0.85	6,222.45
	12/5/2013		16.18	15.80	0.38	6,223.53
	3/20/2014		15.59	15.56	0.03	6,224.40
	6/16/2014		16.30	16.28	0.02	6,223.69
	9/10/2014		16.39	NP	NP	6,223.62
	12/3/2014		16.08	16.07	0.01	6,223.92
	3/5/2015		15.21	15.21†	<0.01	6,224.79
	6/18/2015		15.79	15.79†	<0.01	6,224.21
	9/23/2015		16.19	NP	NP	6,223.82
	12/18/2015		15.68	NP	NP	6,224.33
	9/12/2016		16.81	16.70	0.11	6,223.11
	3/28/2017		15.49	NP	NP	6,224.52
	10/30/2017	6,239.72**	16.54	15.95	0.59	6,222.71
	3/28/2017		PRS	PRS	PRS	PRS
	9/14/2018		17.10	17.06	0.04	6,222.59
	3/28/2019		15.90	NP	NP	6,223.82
	5/16/2019		15.98	NP	NP	6,223.74
	8/13/2019		21.90	NP	NP	6,217.82
	9/23/2019	6,240.19***	17.53	17.37	0.16	6,222.53
	3/18/2020		17.21	16.6	0.61	6,222.49
	6/11/2020		18.20	17.03	1.17	6,221.05
	9/22/2020		19.30	17.51	1.79	6,219.46
	12/18/2020		18.76	17.44	1.32	6,220.37
	3/4/2021		18.17	17.31	0.86	6,221.33
	5/27/2021		18.53	17.47	1.06	6,220.81
	8/24/2021		18.33	17.46	0.87	6,221.16
	12/9/2021		17.26	16.97	0.29	6,222.70
	3/10/2022		17.07	17.04	0.03	6,223.10
	5/17/2022		17.43	17.32	0.11	6,222.67
	9/6/2022		16.16	Trace	Trace	6,224.03
	11/8/2022		15.12	NP	NP	6,225.07
	3/8/2023		15.60	NP	NP	6,224.59
	6/26/2023		16.21	NP	NP	6,223.98
	9/19/2023		16.95	NP	NP	6,223.24
	12/11/2023		16.95	NP	NP	6,223.24



**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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	3/29/2024	6,240.19***	16.63	NP	NP	6,223.56
	6/6/2024		17.05	NP	NP	6,223.14
	9/24/2024		17.14	NP	NP	6,223.05
	11/26/2024		16.77	NP	NP	6,223.42
MW07	3/6/2013	6,250.65	12.61	NP	NP	6,238.04
	6/25/2013	6,236.53*	13.40	NP	NP	6,223.13
	9/24/2013		12.71	12.67	0.04	6,223.79
	12/5/2013		12.34	NP	NP	6,224.19
	3/20/2014		12.05	NP	NP	6,224.48
	6/16/2014		12.84	NP	NP	6,223.69
	9/10/2014		12.89	NP	NP	6,223.64
	12/3/2014		12.58	NP	NP	6,223.95
	2/25/2015		12.27	NP	NP	6,224.26
	3/5/2015		11.68	NP	NP	6,224.85
	6/18/2015		12.34	NP	NP	6,224.19
	9/23/2015		12.68	NP	NP	6,223.85
	12/18/2015		12.17	NP	NP	6,224.36
	9/12/2016		13.25	NP	NP	6,223.28
	3/28/2017		12.05	NP	NP	6,224.48
	10/30/2017	6,236.27**	12.55	NP	NP	6,223.72
	3/28/2018		12.24	NP	NP	6,224.03
	9/14/2018		13.60	NP	NP	6,222.67
	3/28/2019		12.30	12.25	0.05	6,223.93
	5/16/2019		12.37	NP	NP	6,223.90
	8/13/2019		13.89	NP	NP	6,222.38
	9/23/2019	6,236.71***	14.42	13.56	0.86	6,221.60
	3/18/2020		13.48	13.15	0.33	6,222.97
	6/11/2020		14.35	13.48	0.87	6,221.66
	9/22/2020		15.21	14.06	1.15	6,220.58
	12/18/2020		15.02	13.9	1.12	6,220.79
	3/4/2021		14.59	13.76	0.83	6,221.46
	5/27/2021		14.77	14.05	0.72	6,221.36
	8/24/2021		14.59	13.92	0.67	6,221.58
	12/9/2021		13.69	13.6	0.09	6,222.95
	3/10/2022		13.52	13.51	0.01	6,223.18
	5/17/2022		13.84	13.78	0.06	6,222.82
	9/6/2022		12.63	Trace	Trace	6,224.08
	11/8/2022		13.61	NP	NP	6,223.10
	3/8/2023		12.10	NP	NP	6,224.61
	6/26/2023		12.80	NP	NP	6,223.91
	9/19/2023		13.40	NP	NP	6,223.31
	12/11/2023		13.46	NP	NP	6,223.25
	3/29/2024		13.18	13.17	0.01	6,223.52
	6/6/2024		13.58	NP	NP	6,223.13
	9/24/2024		13.60	NP	NP	6,223.11
	11/26/2024		13.31	NP	NP	6,223.40
MW08	3/6/2013	6,249.10	11.88	NP	NP	6,237.22
	6/25/2013	6,235.85*	12.55	NP	NP	6,223.30



**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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	9/24/2013	6,235.85*	11.84	NP	NP	6,224.01
	12/5/2013		11.52	NP	NP	6,224.33
	3/18/2014		11.20	NP	NP	6,224.65
	6/16/2014		12.04	NP	NP	6,223.81
	9/10/2014		12.11	NP	NP	6,223.74
	12/3/2014		11.73	NP	NP	6,224.12
	3/5/2015		10.87	NP	NP	6,224.98
	6/18/2015		11.54	NP	NP	6,224.31
	9/23/2015		11.85	NP	NP	6,224.00
	12/18/2015		11.33	NP	NP	6,224.52
	9/12/2016		12.56	NP	NP	6,223.29
	3/28/2017		11.20	NP	NP	6,224.65
	10/30/2017		11.74	NP	NP	6,223.84
	3/28/2018		11.44	NP	NP	6,224.14
	9/14/2018		12.72	NP	NP	6,222.86
	3/28/2019		DRY	NP	NP	DRY
	5/16/2019		11.60	NP	NP	6,223.98
	8/13/2019		12.53	NP	NP	6,223.05
	9/23/2019	6,236.01***	12.98	NP	NP	6,223.03
	3/18/2020		12.30	NP	NP	6,223.71
	6/11/2020		12.85	NP	NP	6,223.16
	9/22/2020		13.46	NP	NP	6,222.55
	12/18/2020		13.29	NP	NP	6,222.72
	3/4/2021		13.10	NP	NP	6,222.91
	5/27/2021		13.30	NP	NP	6,222.71
	8/24/2021		13.15	NP	NP	6,222.86
	12/9/2022		12.89	NP	NP	6,223.12
	3/10/2022		12.60	NP	NP	6,223.41
	5/17/2022		12.93	NP	NP	6,223.08
	9/6/2022		11.70	NP	NP	6,224.31
	3/8/2023		11.22	NP	NP	6,224.79
	6/26/2023		11.97	NP	NP	6,224.04
	9/19/2023		12.57	NP	NP	6,223.44
	12/11/2023		12.58	NP	NP	6,223.43
	3/29/2024		12.28	NP	NP	6,223.73
	6/6/2024		12.73	NP	NP	6,223.28
	9/24/2024		12.74	NP	NP	6,223.27
	11/26/2024		12.42	NP	NP	6,223.59
MW09	3/6/2013	6,243.67	8.01	NP	NP	6,235.66
	6/25/2013	6,229.03*	8.67	NP	NP	6,220.36
	9/24/2013		NM	NM	NM	NM
	12/5/2013	P/A	P/A	P/A	P/A	P/A
SVE04"	3/6/2013	6,253.41	15.14	NP	NP	6,238.27
	6/25/2013	6,239.22*	15.60	NP	NP	6,223.62
	9/24/2013		14.83	NP	NP	6,224.39
	12/5/2013		14.56	NP	NP	6,224.66
	3/20/2014		14.19	NP	NP	6,225.03
	6/16/2014		14.99	NP	NP	6,224.23





**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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)
SVE04"	9/10/2014	6,239.22*	15.05	NP	NP	6,224.17
	12/3/2014		14.71	NP	NP	6,224.51
	3/5/2015		13.86	NP	NP	6,225.36
	6/18/2015		14.49	NP	NP	6,224.73
	9/23/2015		14.89	NP	NP	6,224.33
	12/18/2015		14.34	NP	NP	6,224.88
	9/12/2016		15.78	NP	NP	6,223.44
	3/28/2017		14.18	NP	NP	6,225.04
	10/30/2017	6,238.94**	14.74	NP	NP	6,224.20
	3/28/2018		14.36	NP	NP	6,224.58
	9/14/2018		15.74	NP	NP	6,223.20
	3/28/2019		14.41	NP	NP	6,224.53
	5/16/2019		14.57	NP	NP	6,224.37
	8/13/2019		15.61	NP	NP	6,223.33
	9/23/2019	6,239.38***	15.99	NP	NP	6,223.39
	3/18/2020		15.30	NP	NP	6,224.08
	6/11/2020		15.86	NP	NP	6,223.52
	9/22/2020		16.51	NP	NP	6,222.87
	12/18/2020		16.27	NP	NP	6,223.11
	3/4/2021		16.05	NP	NP	6,223.33
	5/27/2021		16.33	NP	NP	6,223.05
	8/24/2021		16.30	NP	NP	6,223.08
	12/9/2021		15.92	NP	NP	6,223.46
	3/10/2022		15.64	NP	NP	6,223.74
	5/17/2022		15.95	NP	NP	6,223.43
	9/6/2022		14.74	NP	NP	6,224.64
	11/8/2022		14.74	NP	NP	6,224.64
	3/8/2023		14.23	NP	NP	6,225.15
	6/26/2023		14.94	NP	NP	6,224.44
	9/19/2023		15.57	NP	NP	6,223.81
	12/11/2023		15.53	NP	NP	6,223.85
	3/29/2024		15.23	NP	NP	6,224.15
	6/6/2024		15.70	NP	NP	6,223.68
	9/24/2024		NM	NM	NM	NM
	11/26/2024		15.41	NP	NP	6,223.97
MW10	12/5/2013	6,231.08	7.23	NP	NP	6,223.85
	3/20/2014		6.90	NP	NP	6,224.18
	6/16/2014		7.77	NP	NP	6,223.31
	9/10/2014		7.75	NP	NP	6,223.33
	12/3/2014		7.81	NP	NP	6,223.27
	3/5/2015		6.29	NP	NP	6,224.79
	6/18/2015		7.26	NP	NP	6,223.82
	9/23/2015		7.53	NP	NP	6,223.55
	12/18/2015		7.06	NP	NP	6,224.02
	9/12/2016		8.25	NP	NP	6,222.83
	3/28/2017		6.90	NP	NP	6,224.18
	10/30/2017	6,230.82**	6.23	NP	NP	6,224.59
	3/28/2018		7.06	NP	NP	6,223.76



**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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)
MW10	9/14/2018	6,230.82**	8.44	NP	NP	6,222.38
	3/28/2019		7.09	NP	NP	6,223.73
	5/16/2019		7.25	NP	NP	6,223.57
	8/13/2019		8.37	NP	NP	6,222.45
	9/23/2019	6,231.26***	8.69	NP	NP	6,222.57
	3/18/2020		8.05	NP	NP	6,223.21
	6/11/2020		8.56	NP	NP	6,222.70
	9/22/2020		9.16	NP	NP	6,222.10
	12/18/2020		9.07	NP	NP	6,222.19
	3/4/2021		8.90	NP	NP	6,222.36
	5/27/2021		9.05	NP	NP	6,222.21
	8/24/2021		8.78	NP	NP	6,222.48
	12/9/2021		8.71	NP	NP	6,222.55
	3/10/2022		8.38	NP	NP	6,222.88
	5/17/2022		8.70	NP	NP	6,222.56
	9/6/2022		7.43	NP	NP	6,223.83
	11/8/2022		7.40	NP	NP	6,223.86
	3/8/2023		7.02	NP	NP	6,224.24
	6/26/2023		7.76	NP	NP	6,223.50
	9/19/2023		8.29	NP	NP	6,222.97
	12/11/2023		8.33	NP	NP	6,222.93
	3/29/2024		8.08	NP	NP	6,223.18
	6/6/2024		8.50	NP	NP	6,222.76
	9/24/2024		8.40	NP	NP	6,222.86
	11/26/2024		8.13	NP	NP	6,223.13
MW11	12/5/2013	6,232.35	8.24	NP	NP	6,224.11
	3/20/2014		7.91	NP	NP	6,224.44
	6/16/2014		8.75	NP	NP	6,223.60
	9/10/2014	6,232.35	8.75	NP	NP	6,223.60
	12/3/2014		8.42	NP	NP	6,223.93
	3/5/2015		7.36	NP	NP	6,224.99
	6/18/2015		8.24	NP	NP	6,224.11
	9/23/2015		8.55	NP	NP	6,223.80
	12/18/2015		8.01	NP	NP	6,224.34
	9/12/2016		9.22	NP	NP	6,223.13
	3/28/2017		7.87	NP	NP	6,224.48
	10/30/2017	6,232.10**	9.10	NP	NP	6,223.00
	3/28/2018		8.11	NP	NP	6,223.99
	9/14/2018		9.42	NP	NP	6,222.68
	3/28/2019		8.10	NP	NP	6,224.00
	5/16/2019		8.27	NP	NP	6,223.83
	8/13/2019		12.23	NP	NP	6,219.87
	9/23/2019	6,232.51***	9.71	NP	NP	6,222.80
	3/18/2020		9.05	NP	NP	6,223.46
	6/11/2020		9.62	NP	NP	6,222.89
	9/22/2020		10.22	NP	NP	6,222.29
	12/18/2020		10.08	NP	NP	6,222.43
	3/4/2021		9.90	NP	NP	6,222.61



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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)
MW11	5/27/2021	6,232.51***	10.10	NP	NP	6,222.41
	8/24/2021		9.88	NP	NP	6,222.63
	12/9/2021		9.63	NP	NP	6,222.88
	3/10/2022		9.65	NP	NP	6,222.86
	5/17/2022		9.72	NP	NP	6,222.79
	9/6/2022		8.43	NP	NP	6,224.08
	11/8/2022		8.45	NP	NP	6,224.06
	3/8/2023		7.89	NP	NP	6,224.62
	6/26/2023		8.72	NP	NP	6,223.79
	9/19/2023		9.32	NP	NP	6,223.19
	12/11/2023		9.4	NP	NP	6,223.11
	3/29/2024		9.88	NP	NP	6,222.63
	6/6/2024		10.23	NP	NP	6,222.28
	9/24/2024		9.71	NP	NP	6,222.80
	11/26/2024		10.79	NP	NP	6,221.72
MW12	12/5/2013	6,238.15	14.37	14.36	0.01	6,223.77
	3/20/2014		14.03	NP	NP	6,224.12
	6/16/2014		14.77	NP	NP	6,223.38
	9/10/2014		14.88	NP	NP	6,223.27
	12/3/2014		14.56	NP	NP	6,223.59
	3/5/2015		13.69	NP	NP	6,224.46
	6/18/2015		14.28	NP	NP	6,223.87
	9/23/2015		14.67	NP	NP	6,223.48
	12/18/2015		14.18	NP	NP	6,223.97
	9/12/2016		15.22	NP	NP	6,222.93
	3/28/2017		14.06	NP	NP	6,224.09
	10/30/2017	6,237.72**	14.57	NP	NP	6,223.15
	3/28/2018		14.23	NP	NP	6,223.49
	9/14/2018		15.61	NP	NP	6,222.11
	3/28/2019		14.39	NP	NP	6,223.33
	5/16/2019		14.47	NP	NP	6,223.25
	8/13/2019		15.83	NP	NP	6,221.89
	9/23/2019	6,238.35***	15.80	NP	NP	6,222.55
	3/18/2020		15.20	NP	NP	6,223.15
	6/11/2020		15.71	NP	NP	6,222.64
	9/22/2020		16.35	NP	NP	6,222.00
	12/18/2020		16.21	NP	NP	6,222.14
	3/4/2021		16.02	NP	NP	6,222.33
	5/27/2021		16.22	16.19	0.03	6,222.15
	8/24/2021		16.08	Trace	Trace	6,222.27
	12/9/2021		15.80	NP	NP	6,222.55
	3/10/2022		15.51	Trace	Trace	6,222.84
	5/17/2022		15.99	15.74	0.25	6,222.56
	9/6/2022		14.75	Trace	Trace	6,223.60
	11/8/2022		14.63	Trace	Trace	6,223.72
	3/8/2023		14.10	NP	NP	6,224.25
	6/26/2023		14.76	NP	NP	6,223.59
	9/19/2023		15.44	NP	NP	6,222.91



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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)
MW12	12/11/2023	6,238.35***	15.50	NP	NP	6,222.85
	3/29/2024		15.17	NP	NP	6,223.18
	6/6/2024		15.60	NP	NP	6,222.75
	9/24/2024		15.67	NP	NP	6,222.68
	11/26/2024		15.30	NP	NP	6,223.05
MW13	12/5/2013	6,237.85	14.18	NP	NP	6,223.67
	3/20/2014		13.86	NP	NP	6,223.99
	6/16/2014		14.61	NP	NP	6,223.24
	9/10/2014		14.69	NP	NP	6,223.16
	12/3/2014		14.37	NP	NP	6,223.48
	3/5/2015		13.46	NP	NP	6,224.39
	6/18/2015		14.09	NP	NP	6,223.76
	9/23/2015		14.47	NP	NP	6,223.38
	12/18/2015		13.98	NP	NP	6,223.87
	9/12/2016		15.03	NP	NP	6,222.82
	3/28/2017		13.85	NP	NP	6,224.00
	10/30/2017	6237.57**	14.34	NP	NP	6,223.23
	3/28/2018		14.14	NP	NP	6,223.43
	9/14/2018		15.34	NP	NP	6,222.23
	3/28/2019		14.14	NP	NP	6,223.43
	5/16/2019		14.22	NP	NP	6,223.35
	8/13/2019		15.14	NP	NP	6,222.43
	9/23/2019	6,238.04***	15.61	NP	NP	6,222.43
	3/18/2020		14.98	NP	NP	6,223.06
	6/11/2020		15.52	NP	NP	6,222.52
	9/22/2020		16.11	NP	NP	6,221.93
	12/18/2020		16.00	NP	NP	6,222.04
	3/4/2021		15.86	NP	NP	6,222.18
	5/27/2021		16.02	NP	NP	6,222.02
	8/24/2021		15.91	NP	NP	6,222.13
	12/9/2021		15.52	NP	NP	6,222.52
	3/10/2022		15.42	NP	NP	6,222.62
	5/17/2022		15.64	NP	NP	6,222.40
	9/6/2022		14.65	NP	NP	6,223.39
	11/8/2022		14.09	NP	NP	6,223.95
	3/8/2023		13.55	NP	NP	6,224.49
	6/26/2023		14.24	NP	NP	6,223.80
	9/19/2023		14.92	NP	NP	6,223.12
	12/11/2023		14.95	NP	NP	6,223.09
	3/29/2024		14.64	NP	NP	6,223.40
	6/6/2024		15.7	NP	NP	6,222.34
	9/24/2024		15.13	NP	NP	6,222.91
	11/26/2024		15.09	NP	NP	6,222.95
MW14	10/30/2017	6,234.11	11.40	NP	NP	6,222.71
	3/28/2018		10.93	NP	NP	6,223.18
	9/14/2018		12.21	NP	NP	6,221.90
	3/28/2019		11.18	NP	NP	6,222.93
	5/16/2019		11.20	NP	NP	6,222.91



**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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)
MW14	8/13/2019	6,234.11	12.16	NP	NP	6,221.95
	9/23/2019		12.40	NP	NP	6,222.15
	3/18/2020		12.01	NP	NP	6,222.54
	6/11/2020		12.51	NP	NP	6,222.04
	9/22/2020		13.09	NP	NP	6,221.46
	12/18/2020		12.93	NP	NP	6,221.62
	3/4/2021		12.88	NP	NP	6,221.67
	5/27/2021		12.88	NP	NP	6,221.67
	8/24/2021		13.18	NP	NP	6,221.37
	12/9/2021		12.61	NP	NP	6,221.94
	3/10/2022		12.32	NP	NP	6,222.23
	5/17/2022	6,234.55***	12.72	NP	NP	6,221.83
	9/6/2022		12.00	NP	NP	6,222.55
	11/8/2022		11.52	NP	NP	6,223.03
	3/8/2023		10.98	NP	NP	6,223.57
	6/26/2023		11.40	NP	NP	6,223.15
	9/19/2023		12.24	NP	NP	6,222.31
	12/11/2023		12.22	NP	NP	6,222.33
	3/29/2024		11.94	NP	NP	6,222.61
	6/6/2024		12.41	NP	NP	6,222.14
	9/24/2024		12.52	NP	NP	6,222.03
	11/26/2024		12.1	NP	NP	6,222.45
MW15	10/30/2017		12.54	NP	NP	6,222.54
	3/28/2018		12.09	NP	NP	6,222.99
	9/14/2018	6,235.08	13.42	NP	NP	6,221.66
	3/28/2019		12.25	NP	NP	6,222.83
	5/16/2019		12.40	NP	NP	6,222.68
	8/13/2019		13.40	NP	NP	6,221.68
	9/23/2019		13.82	NP	NP	6,221.71
	3/18/2020		13.30	NP	NP	6,222.23
	6/11/2020		13.76	NP	NP	6,221.77
	9/22/2020		14.37	NP	NP	6,221.16
	12/18/2020		14.24	NP	NP	6,221.29
	3/4/2021		14.06	NP	NP	6,221.47
	5/27/2021		14.26	NP	NP	6,221.27
	8/24/2021		14.05	NP	NP	6,221.48
	12/9/2021		13.73	NP	NP	6,221.80
	3/10/2022		13.51	NP	NP	6,222.02
	5/17/2022	6,235.53***	13.79	NP	NP	6,221.74
	9/6/2022		12.78	NP	NP	6,222.75
	11/8/2022		12.6	NP	NP	6,222.93
	3/8/2023		11.96	NP	NP	6,223.57
	6/26/2023		12.66	NP	NP	6,222.87
	9/19/2023		13.44	NP	NP	6,222.09
	12/11/2023		13.48	NP	NP	6,222.05
	3/29/2024		13.03	NP	NP	6,222.50
	6/6/2024		13.6	NP	NP	6,221.93
	9/24/2024		13.97	NP	NP	6,221.56





**TABLE 1**  
**GROUNDWATER ELEVATIONS**

Dogie East Pit  
Harvest Four Corners, LLC  
Rio Arriba 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)
MW15	11/26/2024	6,235.53***	13.26	NP	NP	6,222.27
MW16	10/30/2017	6,237.27	13.65	NP	NP	6,223.62
	3/28/2018		13.37	NP	NP	6,223.90
	9/14/2018		14.88	NP	NP	6,222.39
	3/28/2019		13.60	NP	NP	6,223.67
	5/16/2019		13.40	NP	NP	6,223.87
	8/13/2019		14.45	NP	NP	6,222.82
	9/23/2019	6,237.73***	15.00	NP	NP	6,222.73
	3/18/2020		14.44	NP	NP	6,223.29
	6/11/2020		14.96	NP	NP	6,222.77
	9/22/2020		15.59	NP	NP	6,222.14
	12/18/2020		15.44	NP	NP	6,222.29
	3/4/2021		15.27	NP	NP	6,222.46
	5/27/2021		15.43	NP	NP	6,222.30
	8/24/2021		15.33	NP	NP	6,222.40
	12/9/2021		15.02	NP	NP	6,222.71
	3/10/2022		14.74	NP	NP	6,222.99
	5/17/2022		15.05	NP	NP	6,222.68
	9/6/2022		13.95	NP	NP	6,223.78
	11/8/2022		13.85	NP	NP	6,223.88
	3/8/2023		13.6	NP	NP	6,224.13
	6/26/2023		13.81	NP	NP	6,223.92
	9/19/2023		14.63	NP	NP	6,223.10
	3/8/2023		13.60	NP	NP	6,224.13
	6/26/2023		13.81	NP	NP	6,223.92
	9/19/2023		14.63	NP	NP	6,223.10
	12/11/2023		14.67	NP	NP	6,223.06
	3/29/2024		14.37	NP	NP	6,223.36
	6/6/2024		14.79	NP	NP	6,222.94
	10/8/2024		15.12	NP	NP	6,222.61
	11/26/2024		14.49	NP	NP	6,223.24
MW17	8/13/2019	6,236.06	10.74	NP	NP	6,225.32
	9/23/2019	6,236.72***	10.96	NP	NP	6,225.76
	3/18/2020		11.32	NP	NP	6,225.40
	6/11/2020		11.33	NP	NP	6,225.39
	9/22/2020		11.24	NP	NP	6,225.48
	12/18/2020		11.39	NP	NP	6,225.33
	3/4/2021		11.55	NP	NP	6,225.17
	5/27/2021		11.55	NP	NP	6,225.17
	8/24/2021		DRY	NP	NP	DRY
	12/9/2021		DRY	NP	NP	DRY
	3/10/2022		DRY	NP	NP	DRY
	5/7/2022		NM	NM	NM	NM
	9/6/2022		NM	NM	NM	NM
	11/8/2022		NM	NM	NM	NM
	3/8/2023		DRY			
	6/26/2023		DRY			
	9/19/2023		DRY			



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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)
MW17	12/11/2023	6,236.72***	DRY			
	3/29/2024		DRY			
	6/6/2024		Filled in			
	9/24/2024		NM			
	11/26/2024		NM			
MW18	8/13/2019	6,234.97	14.92	NP	NP	6,220.05
	9/23/2019	6,235.42***	13.74	NP	NP	6,221.68
	3/18/2020		DRY	NP	NP	DRY
	6/11/2020		13.12	NP	NP	6,222.30
	9/22/2020		13.32	NP	NP	6,222.10
	12/18/2020		13.60	NP	NP	6,221.82
	3/4/2021		13.71	NP	NP	6,221.71
	5/27/2021		13.65	NP	NP	6,221.77
	8/24/2021		13.62	NP	NP	6,221.80
	12/9/2021		13.64	NP	NP	6,221.78
	3/10/2022		13.59	NP	NP	6,221.83
	5/17/2022		13.49	NP	NP	6,221.93
	9/6/2022		13.16	NP	NP	6,222.26
	11/8/2022		13.03	NP	NP	6,222.39
	3/8/2023		12.76	NP	NP	6,222.66
	6/26/2023		12.43	NP	NP	6,222.99
	9/19/2023		12.70	NP	NP	6,222.72
	12/11/2023		13.20	NP	NP	6,222.22
	3/29/2024		13.11	NP	NP	6,222.31
	6/6/2024		13.15	NP	NP	6,222.27
	10/8/2024		13.15	NP	NP	6,222.27
	11/26/2024		13.30	NP	NP	6,222.12
MW19	8/13/2019	6,231.05	11.87	NP	NP	6,219.18
	9/23/2019	6,231.51***	10.23	NP	NP	6,221.28
	3/18/2020		9.96	NP	NP	6,221.55
	6/11/2020		10.21	NP	NP	6,221.30
	9/22/2020		10.78	NP	NP	6,220.73
	12/18/2020		10.92	NP	NP	6,220.59
	3/4/2021		10.78	NP	NP	6,220.73
	5/27/2021		10.81	NP	NP	6,220.70
	8/24/2021		10.60	NP	NP	6,220.91
	12/9/2021		10.47	NP	NP	6,221.04
	3/10/2022		9.30	NP	NP	6,222.21
	5/17/2022		10.39	NP	NP	6,221.12
	9/6/2022		9.58	NP	NP	6,221.93
	11/8/2022		9.46	NP	NP	6,222.05
	3/8/2023		8.88	NP	NP	6,222.63
	6/26/2023		9.20	NP	NP	6,222.31
	9/19/2023		10.37	NP	NP	6,221.14
	12/11/2023		10.28	NP	NP	6,221.23
	3/29/2024		10	NP	NP	6,221.51
	6/6/2024		11.16	NP	NP	6,220.35
	10/11/2024		11.52	NP	NP	6,219.99



<b>TABLE 1</b> <b>GROUNDWATER ELEVATIONS</b> Dogie East Pit Harvest Four Corners, LLC Rio Arriba 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)
MW19	11/26/2024	6,231.51***	10.12	NP	NP	6,221.39
MW20	8/13/2019	6,227.83	8.01	NP	NP	6,219.82
	9/23/2019		8.13	NP	NP	6,220.15
	3/18/2020		7.71	NP	NP	6,220.57
	6/11/2020		8.11	NP	NP	6,220.17
	9/22/2020		8.88	NP	NP	6,219.40
	12/18/2020		8.80	NP	NP	6,219.48
	3/4/2021		8.69	NP	NP	6,219.59
	5/27/2021	6,228.28***	8.83	NP	NP	6,219.45
	8/24/2021		NM	NM	NM	NM
	12/9/2021		8.81	NP	NP	6,219.47
	3/10/2022		NM	NM	NM	NM
	5/17/2022		NM	NM	NM	NM
	11/8/2022		NM	NM	NM	NM
	3/8/2023		DEST			
MW-21	10/11/2024		12.92	NP	NP	6,221.43
	11/26/2024	6,234.35	12.67	NP	NP	6,221.68
MW-22	10/11/2024		13.41	NP	NP	6,222.75
	11/26/2024	6,236.16	13.02	NP	NP	6,223.14
MW-23	10/11/2024		9.63	NP	NP	6,223.09
	11/26/2024	6,232.72	8.17	NP	NP	6,224.55
MW-24	10/11/2024		14.57	NP	NP	6,223.15
	11/26/2024	6,237.72	14.15	NP	NP	6,223.57

**Notes:**

\* - Top of casing elevation was resurveyed on 6/19/2013

\*\* - Top of casing elevation was resurveyed on 1/3/2018

\*\*\* - Top of casing elevation was resurveyed on 12/19/2019

† - Oil-water interface probe did not detect phase separated hydrocarbons. Visually observed phase separated hydrocarbons using a bailer.

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

AMSL - above mean sea level

BTOC - below top of casing

DEST - well has been destroyed

NM - not measured

P/A - plugged and abandoned

PRS - Product Recovery System present - depth to groundwater and product not measured

NP - no free phase hydrocarbons are present the well



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW01	6/4/1998	2.8	1.3	<0.5	2.3
	8/11/1998	<2.5	6.3	<0.5	<1.5
	12/9/1998	<1	<1	<1	<3
	2/10/1999	<0.5	<0.5	<0.5	<1.5
	3/30/2010	NS	NS	NS	NS
	6/22/2010	NS	NS	NS	NS
	9/16/2010	NS	NS	NS	NS
	12/9/2010	<1.0	<1.0	<1.0	<3.0
	3/10/2011	NS	NS	NS	NS
	6/15/2011	NS	NS	NS	NS
	9/13/2011	NS	NS	NS	NS
	1/6/2012	NS	NS	NS	NS
	4/6/2012	NS	NS	NS	NS
	6/12/2012	NS	NS	NS	NS
	9/27/2012	NS	NS	NS	NS
	12/7/2012	<1.0	<1.0	<1.0	<3.0
	3/6/2013	<1.0	<1.0	<1.0	<2.0
MW02	6/4/1998	1.4	1	1.9	11
	8/11/1998	76	2.4	12	30
	12/9/1998	38	<1	10	4.5
	2/10/1999	30	<0.5	7.1	3.7
	4/27/1999	2.9	<0.5	2.1	3.0
	9/21/1999	8.5	0.8	2.2	1.9
	11/16/1999	32	0.8	3.4	7.0
	2/15/2000	57	1.2	16	2.6
	5/10/2000	<0.5	<0.5	1	<1.5
	11/2/2000	16.8	<1	2.07	<1
	2/16/2001	2.97	6.91	<1	<1
	5/10/2001	3.76	4.46	<1	<1
	10/31/2001	5.9	<2.0	<2.0	<2.0
	9/23/2003	7.7	<2.0	<2.0	<5.0
	12/17/2003	<2.0	<2.0	<2.0	<5.0
	9/18/2004	7.1	<2.0	<2.0	<5.0
	3/11/2005	4.6	<2.0	<2.0	<5.0
	6/16/2005	<2.0	<2.0	<2.0	<5.0
	9/19/2005	2.2	<2.0	<2.0	<5.0
	12/1/2005	<2.0	<2.0	<2.0	<5.0
	2/27/2006	<1.0	<1.0	<1.0	<3.0
	7/14/2006	<1.0	<1.0	<1.0	<3.0
	10/6/2006	1.7	<1.0	<1.0	<3.0
	12/12/2006	<1.0	<1.0	<1.0	<3.0
	3/30/2010	<1.0	<1.0	<1.0	<3.0
	6/22/2010	<1.0	<1.0	<1.0	<3.0
	9/16/2010	<1.0	<1.0	<1.0	<3.0



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW02	12/9/2010	<1.0	<1.0	<1.0	<3.0
	3/10/2011	<1.0	<1.0	<1.0	<3.0
	6/15/2011	<1.0	<1.0	<1.0	<3.0
	9/13/2011	<1.0	<1.0	<1.0	<3.0
	1/6/2012	<1.0	<1.0	<1.0	<3.0
	4/6/2012	<1.0	<1.0	<1.0	<3.0
	6/12/2012	<1.0	<1.0	<1.0	<3.0
	9/27/2012	<1.0	<1.0	<1.0	<3.0
	12/7/2012	<1.0	<1.0	<1.0	<3.0
	3/6/2013	<1.0	<1.0	<1.0	<2.0
MW03	6/4/1998	470	3,800	680	6,200
	8/11/1998	500	5,200	730	5,550
	12/9/1998	90	350	540	4,240
	2/10/1999	130	810	610	4,830
	4/27/1999	220	1,300	520	4,140
	9/21/1999	110	920	470	2,930
	11/16/1999	180	1,600	440	2,620
	2/15/2000	120	1,900	640	5,120
	5/10/2000	140	1,500	370	3,650
	11/3/2000	277	3,270	552	4,350
	2/16/2001	148	2,470	328	2,580
	5/10/2001	205	3,080	593	5,820
	9/23/2003	230	530	19	1,600
	12/17/2003	260	290	24	800
	9/18/2004	170	990	530	2,300
	12/7/2004	130	400	530	2,500
	3/11/2005	130	12	200	540
	6/16/2005	330	770	2,300	3,900
	9/19/2005	160	<1.0	470	1,500
	12/1/2005	106	270	1,140	3,260
	2/27/2006	36.3	21.1	234	1,010
	10/6/2006	1.5	<1.0	11	36
	12/12/2006	14.2	43.3	230	725
	3/30/2010	8.2	1.5	141	401
	6/22/2010	6.1	4.1	30.9	100
	9/16/2010	12.2	7	15.3	40
	12/9/2010	1.0	2.3	13.1	28.9
	3/10/2011	18.9	20.7	213	529
	6/15/2011	4.5	34.4	118	345
	9/13/2011	13.9	1.9	220	459
	1/6/2012	6.6	<2.0	148	333
	4/6/2012	5.0	98.3	4.4	255
	6/12/2012	4.8	122	13.4	344
	9/27/2012	11.7	248	12.0	867



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW03	12/7/2012	11.4	403	16.4	1,250
	3/6/2013	<5.0	6.1	21	88
	6/25/2013	4.7	64	120	460
	9/24/2013	<5.0	<5.0	30	82
	12/5/2013	<5.0	<5.0	42	170
	3/18/2014	<2.0	12	82	700
	6/16/2014	3.6	92	140	880
	9/10/2014	<1.0	59	150	830
	12/3/2014	<1.0	34	220	890
	3/5/2015	<1.0	4.7	24	120
	9/23/2015	<1.0	56	67	350
	9/12/2016	<2.0	61	190	900
	10/30/2017	2.4	<1.0	32	110
	9/13/2018	2.7	<1.0	15	150
	8/24/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/6/2022	NS-FP	NS-FP	NS-FP	NS-FP
	3/8/2023	<5.0	<5.0	<5.0	<5.0
	9/19/2023	<1.0	<1.0	7.7	35
	3/29/2024	2.1	<1.0	58	140
	9/24/2024	<1.0	<1.0	8.3	20
MW04	6/4/1998	3,400	3,600	110	910
	8/11/1998	320	1,600	60	680
	12/9/1998	7,400	12,000	130	3,260
	2/10/1999	2,700	4,400	120	1,360
	4/27/1999	5,100	6,200	130	1,600
	9/21/1999	3,200	3,800	130	1,340
	2/15/2000	320	540	26	314
	5/10/2000	4,300	2,300	130	1,270
	11/2/2000	257	332	19.0	196
	2/16/2001	54	17.8	1.01	19.8
	5/10/2001	2,660	2,130	34.6	792
	10/31/2001	210	420	10	260
	9/23/2003	23	6	130	59
	12/17/2003	<2.0	<2.0	<2.0	5.1
	11/16/2004	3,200	1,100	<10	520
	9/18/2004	80	170	6.7	66
	3/11/2005	<2.0	2.8	<2.0	10
	6/16/2005	310	<100	130	550
	2/27/2006	16.7	11.2	5.1	70.3
	3/30/2010	NS	NS	NS	NS
	6/22/2010	NS	NS	NS	NS
	9/16/2010	NS	NS	NS	NS
	12/9/2010	NS	NS	NS	NS
	3/10/2011	NS	NS	NS	NS





**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW04	6/15/2011	NS	NS	NS	NS
	9/13/2011	NS	NS	NS	NS
	1/6/2012	NS	NS	NS	NS
	4/6/2012	<1.0	<1.0	<1.0	<3.0
	6/12/2012	DEST	DEST	DEST	DEST
MW05	12/9/1998	<20	2,300	300	2,720
	2/10/1999	<5	860	150	1,170
	4/27/1999	<10	1,000	130	1,150
	9/21/1999	3.2	450	97	780
	11/16/1999	5.3	1,200	170	1,520
	2/15/2000	<5	280	56	462
	5/10/2000	5.8	1,400	220	1,860
	11/2/2000	30.9	92.2	37.3	225
	2/16/2001	39.4	210	83.0	509
	5/10/2001	<1	439	218	1,180
	10/31/2001	<1.0	16	44	110
	9/23/2003	2.2	4	17	10
	12/17/2003	<10	130	64	370
	9/18/2004	<10	51	48	250
	12/7/2004	<2.0	20	17	180
	3/11/2005	12	41	43	140
	6/16/2005	<100	180	270	1,000
	9/19/2005	<1.0	400	170	1,700
	12/1/2005	12.6	176	187	961
	2/27/2006	<1.0	23	78	346
	7/14/2006	<5.0	52.3	110	403
	7/16/2006	<1.0	<1.0	11.4	79
	3/30/2010	<1.0	5.1	21.1	84.5
	6/22/2010	1.0	9.4	99.4	270
	9/16/2010	NS	NS	NS	NS
	12/9/2010	NS	NS	NS	NS
	3/10/2011	NS	NS	NS	NS
	6/15/2011	NS	NS	NS	NS
	9/13/2011	NS	NS	NS	NS
	1/6/2012	NS	NS	NS	NS
	4/6/2012	NS	NS	NS	NS
	6/12/2012	NS	NS	NS	NS
	9/27/2012	NS	NS	NS	NS
	12/7/2012	<1.0	14.2	1.3	49.7
	3/6/2013	<5.0	<5.0	77	290
	6/25/2013	21	28	71	270
	9/24/2013	<5.0	9.1	44	210
	12/5/2013	<5.0	11	44	170
	3/18/2014	<5.0	16	47	210



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW05	6/16/2014	12	34	110	460
	9/10/2014	<2.0	2.5	7.4	29
	12/3/2014	NS-FP	NS-FP	NS-FP	NS-FP
	3/5/2015	NS-FP	NS-FP	NS-FP	NS-FP
	9/23/2015	<1.0	3.0	25	89
	9/12/2016	<2.0	<2.0	32	110
	10/30/2017	<1.0	1.0	13	37
	9/13/2018	<1.1	1.0	9.6	27
	8/24/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/6/2022	NS-FP	NS-FP	NS-FP	NS-FP
	3/8/2023	<5.0	9.7	59	320
	9/19/2023	16	23	59	280
	3/29/2024	7.6	6.2	31	96
	9/24/2024	<5.0	<5.0	66	230
MW06	2/10/1999	29	<0.5	7	4.6
	9/21/1999	690	330	240	1,930
	11/16/1999	370	48	130	694
	2/15/2000	9.9	0.6	5.7	22.7
	5/10/2000	390	2.6	25	400
	11/3/2000	2,570	109	226	1,690
	2/16/2001	171	11.0	12.5	33.5
	5/10/2001	506	23.2	122	384
	10/31/2001	1,900	120	160	480
	12/12/2006	281	727	152	1,350
	3/30/2010	1,160	46.1	487	2,530
	6/22/2010	3,430	102	460	3,410
	9/16/2010	2,940	144	370	2,760
	12/9/2010	2,580	<20	457	2,270
	3/10/2011	1,450	<20	369	1,800
	6/15/2011	726	<1	108	380
	9/13/2011	NS	NS	NS	NS
	1/6/2012	NS	NS	NS	NS
	4/6/2012	NS	NS	NS	NS
	6/12/2012	NS	NS	NS	NS
	9/27/2012	NS	NS	NS	NS
	12/7/2012	NS	NS	NS	NS
	3/6/2013	NS-FP	NS-FP	NS-FP	NS-FP
	6/25/2013	NS-FP	NS-FP	NS-FP	NS-FP
	9/24/2013	NS-FP	NS-FP	NS-FP	NS-FP
	12/5/2013	NS-FP	NS-FP	NS-FP	NS-FP
	3/18/2014	NS-FP	NS-FP	NS-FP	NS-FP
	6/16/2014	NS-FP	NS-FP	NS-FP	NS-FP
	9/10/2014	2,100	110	850	8,700
	12/3/2014	NS-FP	NS-FP	NS-FP	NS-FP



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW06	9/23/2015	1,100	<100	670	6,600
	3/30/2018	NS-FP	NS-FP	NS-FP	NS-FP
	9/13/2018	NS-FP	NS-FP	NS-FP	NS-FP
	9/23/2019	NS-FP	NS-FP	NS-FP	NS-FP
	3/18/2020	NS-FP	NS-FP	NS-FP	NS-FP
	9/22/2020	NS-FP	NS-FP	NS-FP	NS-FP
	3/4/2021	NS-FP	NS-FP	NS-FP	NS-FP
	8/24/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/6/2022	NS-FP	NS-FP	NS-FP	NS-FP
	3/8/2023	160	<50	180	1,100
	9/19/2023	1,400	<50	520	2,500
	3/29/2024	2,600	<5.0	390	1,000
	9/24/2024	930	<50	430	1,200
MW07	9/21/1999	280	1,200	78	700
	11/16/1999	270	380	37	261
	2/15/2000	64	18	10	24.4
	5/10/2000	95	26	12	50.4
	11/3/2000	2.62	<1	<1	<1
	2/22/2001	13.0	1.16	1.40	2.97
	5/10/2001	23.4	<1	2.63	3.74
	10/31/2001	6.2	<2.0	<2.0	<2.0
	9/23/2003	5.4	<2.0	<2.0	<5.0
	12/17/2003	28	<2.0	<2.0	<5.0
	9/18/2004	100	18	6.1	29
	12/7/2004	35	11	<2.0	7.3
	3/11/2005	40	<2.0	<2.0	<5.0
	6/16/2005	27	<2.0	<2.0	<5.0
	9/19/2005	110	21	9.0	43
	12/1/2005	22.6	<2.0	<2.0	<5.0
	2/27/2006	55.2	<1.0	<1.0	<3.0
	7/14/2006	<1.0	<1.0	<1.0	<3.0
	10/6/2006	460	<5.0	8.3	<15.0
	12/12/2006	202	<1.0	1.3	<3.0
	3/30/2010	137	<1.0	<1.0	<3.0
	6/22/2010	131	<1.0	<1.0	<3.0
	9/16/2010	47.7	<1.0	<1.0	<3.0
	12/9/2010	20.9	<1.0	<1.0	<3.0
	3/10/2011	73.7	<1.0	<1.0	<3.0
	6/15/2011	72.6	<1.0	<1.0	<3.0
	9/13/2011	13	<1.0	<1.0	<3.0
	1/6/2012	27.7	2.2	<1.0	<3.0
	4/6/2012	88.8	3.7	<1.0	4.4
	6/12/2012	22.0	<1.0	4.1	<3.0
	9/27/2012	37.7	2.5	21.0	11.8



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**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
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Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW07	12/7/2012	64.0	3.4	12.6	18.2
	3/6/2013	110	770	67	1,200
	6/25/2013	95	180	28	510
	9/24/2013	NS-FP	NS-FP	NS-FP	NS-FP
	12/5/2013	170	730	300	2,300
	9/10/2014	86	190	140	740
	9/23/2015	43	48	94	390
	9/12/2016	98	170	74	340
	10/30/2017	60	110	13	83
	9/13/2018	1.8	3.3	<1.0	<1.5
	3/28/2019	NS-FP	NS-FP	NS-FP	NS-FP
	9/23/2019	NS-FP	NS-FP	NS-FP	NS-FP
	3/18/2020	NS-FP	NS-FP	NS-FP	NS-FP
	9/22/2020	NS-FP	NS-FP	NS-FP	NS-FP
	3/4/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/6/2022	NS-FP	NS-FP	NS-FP	NS-FP
	3/8/2023	40	150	41	310
	9/19/2023	47	130	21	190
	3/29/2024	NS-FP	NS-FP	NS-FP	NS-FP
	9/24/2024	170	1,000	140	1,400
MW08	9/21/1999	0.5	1	0.8	<1.5
	2/15/2000	0.6	1.4	0.6	<1.5
	5/10/2000	<0.5	0.6	<0.5	<1.5
	11/2/2000	<1	<1	<1	<1
	11/16/2004	<0.5	0.6	0.5	<1.5
	2/16/2001	<1	<1	<1	<1
	5/10/2001	<1	<1	<1	<1
	10/31/2001	<1.0	<2.0	<2.0	<2.0
	9/23/2003	<2.0	<2.0	<2.0	<5.0
	12/17/2003	<2.0	<2.0	<2.0	<5.0
	9/18/2004	<2.0	<2.0	<2.0	<5.0
	12/7/2004	<2.0	<2.0	<2.0	<5.0
	3/11/2005	<2.0	<2.0	<2.0	<5.0
	6/16/2005	<2.0	<2.0	<2.0	<5.0
	9/19/2005	<2.0	<2.0	<2.0	<5.0
	12/1/2005	<2.0	<2.0	<2.0	<5.0
	2/27/2006	<1.0	<1.0	<1.0	<3.0
	7/14/2006	<1.0	<1.0	<1.0	<3.0
	3/30/2010	NS	NS	NS	NS
	6/22/2010	NS	NS	NS	NS
	9/16/2010	NS	NS	NS	NS
	12/9/2010	NS	NS	NS	NS
	3/10/2011	NS	NS	NS	NS
	6/15/2011	NS	NS	NS	NS





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**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW08	9/13/2011	NS	NS	NS	NS
	1/6/2012	NS	NS	NS	NS
	4/6/2012	NS	NS	NS	NS
	6/12/2012	NS	NS	NS	NS
	9/27/2012	NS	NS	NS	NS
	12/7/2012	NS	NS	NS	NS
	3/6/2013	<2.0	<2.0	<2.0	<4.0
	6/25/2013	<2.0	<2.0	<2.0	<4.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	<1.0	<1.0	<1.0	<2.0
	9/19/2023	<1.0	<1.0	<1.0	<2.0
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	9/24/2024	<1.0	<1.0	<1.0	<2.0
MW09	9/21/1999	3.7	550	110	<b>920</b>
	2/15/2000	0.5	1.4	0.6	<1.3
	5/10/2000	<0.5	1.2	<0.5	<1.5
	9/23/2003	<2.0	<2.0	<2.0	<5.0
	12/17/2003	<2.0	<2.0	<2.0	<5.0
	6/16/2005	<2.0	<2.0	<2.0	<5.0
	7/14/2006	<1.0	<1.0	<1.0	<3.0
	12/12/2006	<1.0	<1.0	<1.0	<3.0
	3/30/2010	<1.0	<1.0	<1.0	<3.0
	6/22/2010	<1.0	<1.0	<1.0	<3.0
	9/16/2010	<1.0	<1.0	<1.0	<3.0
	12/9/2010	<1.0	<1.0	<1.0	<3.0
	3/10/2011	<1.0	<1.0	<1.0	<3.0
	6/15/2011	<1.0	<1.0	<1.0	<3.0
	9/13/2011	<1.0	<1.0	<1.0	<3.0
	1/6/2012	<1.0	<1.0	<1.0	<3.0
	4/6/2012	<1.0	<1.0	<1.0	<3.0
	6/12/2012	<1.0	<1.0	<1.0	<3.0
	9/27/2012	<1.0	<1.0	<1.0	<3.0
	12/7/2012	<1.0	<1.0	<1.0	<3.0
	3/6/2013	<2.0	<2.0	<2.0	<4.0
SVE04"	9/23/2003	<2.0	<2.0	<2.0	<5.0
	12/17/2003	<2.0	<2.0	<2.0	<5.0
	9/18/2004	<2.0	<2.0	<2.0	<5.0
	12/7/2004	<2.0	<2.0	<2.0	<5.0
	3/11/2005	<2.0	<2.0	<2.0	<5.0
	6/16/2005	5.6	<2.0	<2.0	<5.0
	9/19/2005	<2.0	<2.0	<2.0	<5.0
	12/1/2005	<2.0	2.8	<2.0	<5.0



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**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
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 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
SVE04"	3/30/2010	NS	NS	NS	NS
	6/22/2010	NS	NS	NS	NS
	9/16/2010	<1.0	<1.0	<1.0	<3.0
	12/9/2010	<1.0	<1.0	<1.0	<3.0
	3/10/2011	<1.0	<1.0	<1.0	<3.0
	6/15/2011	<1.0	<1.0	<1.0	<3.0
	9/13/2011	<1.0	<1.0	<1.0	<3.0
	1/6/2012	<1.0	<1.0	<1.0	<3.0
	4/6/2012	NS	NS	NS	NS
	6/12/2012	<1.0	<1.0	<1.0	<3.0
	9/27/2012	<1.0	<1.0	<1.0	<3.0
	4/16/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	<1.0	<1.0	<1.0	<2.0
MW10	12/7/2012	NS	NS	NS	NS
	3/6/2013	<1.0	<1.0	<1.0	<2.0
	12/5/2013	<5.0	<5.0	<5.0	<10
	9/10/2014	<1.0	<1.0	<1.0	<2.0
	9/23/2015	<1.0	<1.0	<1.0	<2.0
	9/12/2016	<2.0	<2.0	<2.0	<4.0
	3/28/2017	<2.0	<2.0	<2.0	<3.0
	10/30/2017	<1.0	<1.0	<1.0	<1.5
	3/28/2018	<1.0	<1.0	<1.0	<1.5
	9/13/2018	<1.0	<1.0	<1.0	<1.5
	3/28/2019	<1.0	<1.0	<1.0	<1.5
	9/23/2019	<2.0	<2.0	<2.0	<4.0
	3/18/2020	<2.0	<2.0	<2.0	<3.0
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<1.0	<13.0	<1.0	<1.5
	9/6/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	<1.0	<1.0	<1.0	<2.0
	9/19/2023	<1.0	<1.0	<1.0	<2.0
	3/29/2024	<1.0	<2.0	<2.0	<4.0
	9/24/2024	Not Sampled			
MW11	12/5/2013	510	32	570	2,400
	9/10/2014	9.2	<5.0	29	180
	9/23/2015	<2.0	<2.0	7.2	30
	9/12/2016	5.2	<2.0	17	72
	3/28/2017	13	<2.0	34	160
	10/30/2017	<1.0	<1.0	<1.0	<1.5



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**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW11	3/28/2018	24	<1.0	11	25
	9/13/2018	<1.0	<1.0	<1.0	<1.5
	3/28/2019	5.6	<1.0	47	170
	9/23/2019	<1.0	<1.0	<1.0	<2.0
	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<2.0	<2.0	<2.0	<3.0
	9/6/2022	<2.0	<2.0	<2.0	<3.0
	3/8/2023	<2.0	<2.0	<2.0	<2.0
	9/19/2023	<1.0	<1.0	<1.0	<2.0
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	9/24/2024	<1.0	<1.0	1.3	7.5
MW12	12/5/2013	NS-FP	NS-FP	NS-FP	NS-FP
	9/10/2014	740	360	46	200
	9/23/2015	540	76	<1.0	190
	9/12/2016	1,700	300	29	110
	3/28/2017	760	110	10	45
	10/30/2017	190	39	4.9	17
	3/30/2018	390	10	9.1	15
	9/14/2018	3,200	190	62	160
	3/28/2019	1,800	410	29	170
	9/23/2019	340	53	9.1	35
	3/18/2020	320	190	3.8	54
	9/22/2020	170	5.6	<5.0	<7.5
	3/4/2021	120	70	<1.0	30
	3/10/2022	NS-FP	NS-FP	NS-FP	NS-FP
	9/6/2022	NS-FP	NS-FP	NS-FP	NS-FP
	3/8/2023	50	7.2	5.3	19
	9/19/2023	310	86	5.2	30
	3/29/2024	1,600	61	12	26
	10/8/2024	160	<5.0	220	140
MW13	12/5/2013	<1.0	<1.0	<1.0	<2.0
	9/10/2014	<1.0	<1.0	<1.0	<2.0
	9/23/2015	<1.0	<1.0	<1.0	<2.0
	9/12/2016	20	<2.0	<2.0	<4.0
	3/28/2017	1.0	<1.0	<1.0	<1.5
	10/30/2017	<1.0	<1.0	<1.0	<1.5
	3/28/2018	<1.0	<1.0	<1.0	<1.5
	9/13/2018	<1.0	<1.0	<1.0	<1.5
	3/28/2019	<1.0	<1.0	<1.0	<1.5
	9/23/2019	<1.0	<1.0	<1.0	16



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW13	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	3.5	<1.0	<1.0	<2.0
	3/10/2022	170	<1.0	<1.0	<1.5
	9/6/2022	430	<1.0	3.4	3
	3/8/2023	1,900	<1.0	<1.0	<2.0
	9/19/2023	34	<1.0	<1.0	<2.0
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	9/24/2024	<1.0	<1.0	<1.0	<2.0
MW14	10/30/2017	<1.0	<1.0	<1.0	<1.5
	3/28/2018	<1.0	<1.0	<1.0	<1.5
	9/13/2018	<1.0	<1.0	<1.0	<1.5
	3/28/2019	<1.0	<1.0	<1.0	<1.5
	9/23/2019	<1.0	<1.0	<1.0	<2.0
	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<1.0	<1.0	<1.0	<1.5
	9/6/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	17	<1.0	<1.0	<2.0
	9/19/2023	NS-IW			
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	9/24/2024	<1.0	<1.0	<1.0	<2.0
MW15	10/30/2017	38	310	52	340
	3/30/2018	4.4	<1.0	1.9	1.7
	9/14/2018	28	<1.0	<1.0	<1.5
	3/28/2019	4.8	<1.0	<1.0	<1.5
	9/23/2019	180	<2.0	94	62
	3/18/2020	2.1	<2.0	<2.0	<3.0
	9/22/2020	1.8	<2.0	<2.0	<3.0
	3/4/2021	8.6	<1.0	<1.0	<2.0
	8/24/2021	14	<1.0	<1.0	<2.0
	3/10/2022	5.5	<1.0	<1.0	<1.5
	9/6/2022	21	<1.0	1.5	<1.5
	3/8/2023	<1.0	<1.0	<1.0	<2.0
	9/19/2023	<2.0	<2.0	<2.0	<4.0
	3/29/2024	<2.0	<2.0	<2.0	<4.0
	9/24/2024	<2.0	<2.0	<2.0	<4.0
MW16	10/30/2017	<1.0	<1.0	<1.0	<1.5
	3/30/2018	1.6	<1.0	<1.0	<1.5





**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba County, New Mexico

Well Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
<b>NMWQCC Standards</b>		<b>10</b>	<b>750</b>	<b>750</b>	<b>620</b>
MW16	9/14/2018	<1.0	<1.0	<1.0	<1.5
	3/28/2019	<1.0	1.6	<1.0	2.6
	9/23/2019	<1.0	<1.0	<1.0	<2.0
	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	110	<2.0	<2.0	<4.0
	3/10/2022	510	<1.0	2.7	<1.5
	9/6/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	340	<2.0	2.3	14
	9/19/2023	<1.0	<1.0	<1.0	<2.0
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	10/8/2024	<1.0	<1.0	<1.0	<2.0
MW17	8/13/2019	<1.0	<1.0	<1.0	<2.0
	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/10/2022	DRY	DRY	DRY	DRY
	9/6/2022	DRY	DRY	DRY	DRY
	9/19/2023	DRY	DRY	DRY	DRY
	3/29/2024	DRY	DRY	DRY	DRY
MW18	8/13/2019	<2.0	<2.0	<2.0	<4.0
	9/22/2020	<1.0	<1.0	<1.0	<1.5
	3/4/2021	<2.0	<2.0	<2.0	<4.0
	8/24/2021	<1.0	<1.0	<1.0	<2.0
	3/10/2022	<2.0	<2.0	<2.0	<3.0
	9/6/2022	<2.0	<2.0	<2.0	<3.0
	3/8/2023	<2.0	<2.0	<2.0	<4.0
	9/19/2023	<2.0	<2.0	<2.0	<4.0
	3/29/2024	<1.0	<1.0	<1.0	<2.0
	10/8/2024	<1.0	<1.0	<1.0	<2.0
MW19	9/6/2019	71	160	<5	930
	3/18/2020	13	<5.0	3	11
	9/22/2020	17	<1.0	4.7	11
	3/4/2021	<1.0	<1.0	<1.0	<2.0
	8/24/2021	3.4	<1.0	1.2	<2.0
	3/10/2022	<1.0	<1.0	<1.0	<1.5
	9/6/2022	<1.0	<1.0	<1.0	<1.5
	3/8/2023	1.3	<1.0	<1.0	<2.0
	9/19/2023	<1.0	<1.0	<1.0	<2.0
	3/29/2024	7.1	<1.0	<1.0	<2.0
	10/11/2024	19	<1.0	1.9	<2.0



**TABLE 2**  
**GROUNDWATER ANALYTICAL RESULTS**  
 Dogie East Pit  
 Harvest Four Corners, LLC  
 Rio Arriba 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
MW20	9/6/2019	<1.0	<1.0	<1.0	<1.5
	3/18/2020	<1.0	<1.0	<1.0	<1.5
	9/22/2020	<2.0	<2.0	<2.0	<3.0
MW-21	10/11/2024	<1.0	<1.0	<1.0	<2.0
MW-22	10/11/2024	<b>5,100</b>	<1.0	<1.0	<2.0
	10/22/2024	<b>590</b>	<1.0	<1.0	<2.0
MW-23	10/11/2024	<1.0	<1.0	<1.0	<2.0
MW-24	10/11/2024	5.4	23	12	57

**Notes:**

µg/L: milligrams per liter

J: The target analyte was positively identified below the quantitation limit and above the detection limit.

ND: not detected, practical quantitation limit unknown

NS - not sampled

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

DEST - well has been destroyed

NMWQCC: New Mexico Water Quality Control Commission

--: not analyzed

&lt;0.037: indicates result less than the stated laboratory reporting limit (RL)

Concentrations in **bold** and shaded exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code



TABLE 1 SOIL ANALYTICAL RESULTS 2024 Delineation Activities Dogie CS Rio Arriba, New Mexico Harvest Four Corners LLC												
Sample Name	Depth	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Action Level			10	NE	NE	NE	50	NE	NE	NE	100	600
MW21@5	5	10/2/2024	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.3	<47	<47	150
MW21@10	10	10/2/2024	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	220
MW21@15'	15	10/2/2024	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	<60
MW22@10	10	10/2/2024	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<8.9	<45	<45	<60
MW22@15	15	10/2/2024	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<8.7	<44	<44	<60
MW23@5	5	10/2/2024	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.4	<47	<47	<60
MW23@10	10	10/2/2024	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<8.5	<42	<42	<60
MW24@10	10	10/2/2024	0.77	2.2	2.1	16.0	21.1	540	<9.2	<48	540	69
MW24@15	15	10/2/2024	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<8.6	<43	<43	<60

Notes:

- DRO - diesel range organics
- GRO - gasoline range organics
- MRO - motor oil range organics
- TPH - total petroleum hydrocarbons
- mg/kg - milligrams per kilograms
- NE - not established
- NMOCD - New Mexico Oil Conservation Division
- ppm - parts per million
- NA - not analyzed
- < - indicates result is less than laboratory reporting detection limit

Concentrations in **bold** and shaded exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code



## APPENDIX A

# Groundwater Collection Forms

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### Groundwater Sample Collection Form

Project Name: Dogie CS  
Project Number: 07B2002004

Project Location: Rio Arriba, NM  
Sampler: E. Carroll

Sample ID: MW03  
Sample Date: 3-29-24  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: GW  
Sample Time: 12:36  
Shipping Method: Courier

Depth to Water: 15.22  
Time: 12:20

Total Depth of Well: 19.52  
Depth to Product: NA

Vol. of Water to Purge: 2.1 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
Method of Purging: Bailer  
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1220	0.5	0.5	7.01	11.2	4.26	Turbid black
1221	0.5	1.0	7.43	11.1	6.02	SAA
1223	0.5	1.5	7.41	11.0	6.11	SAA
1225	0.5	2.0	7.39	11.0	6.13	SAA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll

Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS  
 Project Number: 07B2002004  
 Sample ID: MW05  
 Sample Date: 3-29-25  
 Laboratory: Eurofins ABQ  
 Analyses: BTEX

Project Location: Rio Arriba, NM  
 Sampler: E. Carroll  
 Matrix: GW  
 Sample Time: 1215  
 Shipping Method: Courier

Depth to Water: 14.75  
 Time: 1204

Total Depth of Well: 18.17  
 Depth to Product: NA

Vol. of Water to Purge: 1.6 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1205	0.5	0.5	7.43	11.3	6.33	Turbid, grey
1206	0.5	1.0	7.37	11.2	6.39	54A
1208	0.5	1.5	7.37	11.2	6.41	54A
		1.6				

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_  
 \_\_\_\_\_

Signature: E. Carroll

Date: 3/29/25



### Groundwater Sample Collection Form

Project Name: Dogie CS  
Project Number: 07B2002004

Project Location: Rio Arriba, NM  
Sampler: E. Carroll

Sample ID: MW06  
Sample Date: 3-29-24  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: GW  
Sample Time: 13:25  
Shipping Method: Courier

Depth to Water: 16.63  
Time: 13:15

Total Depth of Well: 22.48  
Depth to Product: NA

Vol. of Water to Purge: 2.8 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
Method of Purging: Bailer  
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1315	0.5	0.5	7.81	12.6	3.17	Turbid grey
1317	0.5	1.0	7.87	12.4	3.20	SAA
1319	0.5	1.5	7.87	12.4	3.21	SAA
1321	0.5	2.0	7.87	12.4	3.22	SAA

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_  
\_\_\_\_\_

Signature: E. Carroll

Date: 3/29/24

Groundwater Sample Collection Form

Project Name: Dogie CS  
Project Number: 07B2002004  
Sample ID: MW07  
Sample Date: 3-29-24  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Project Location: Rio Arriba, NM  
Sampler: E. Carroll  
Matrix: GW  
Sample Time: NS-FP  
Shipping Method: Courier

Depth to Water: 13.18  
Time: \_\_\_\_\_

Total Depth of Well: NM  
Depth to Product: 13.17

Vol. of Water to Purge: \_\_\_\_\_ (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments

Comments: NS-FP remove ~1" PSH

Describe Deviations from SOP: \_\_\_\_\_

Signature: Eric Carroll

Date: 3/29/24





### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: Mw08 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 1205  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 12-28 Total Depth of Well: 21.50  
 Time: 1155 Depth to Product: NA

Vol. of Water to Purge: 4.5 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. C (F)	Conductivity (us or ms)	Comments
1155	1.0	1.0	7.37	11.8	3.63	Turbid grey
1159	0.7	1.7	7.36	11.7	3.62	Turbid grey

Comments: Dry @ 1.7 gallons

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll

Date: 3/29/24



Groundwater Sample Collection FormProject Name: Dogie CSProject Location: Rio Arriba, NMProject Number: 07B2002004Sampler: E. CarrollSample ID: MW10Matrix: GWSample Date: 3-29-24Sample Time: 11:00Laboratory: Eurofins ABQShipping Method: CourierAnalyses: BTEXDepth to Water: 8-08Total Depth of Well: 8.20Time: 1053Depth to Product: NA

Vol. of Water to Purge: \_\_\_\_\_ (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: \_\_\_\_\_

Method of Sampling: \_\_\_\_\_

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1053						

Comments: Grab sample insufficient H<sub>2</sub>O

Describe Deviations from SOP: \_\_\_\_\_

Signature: Elli CarrollDate: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW11 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 11:16  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 9.88 Total Depth of Well: 15.10  
 Time: 1100 Depth to Product: NA

Vol. of Water to Purge: 2.5 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. $^{\circ}$ C $(^{\circ}$ F)	Conductivity (us or ms)	Comments
11:00	1.0	1.0	6.38	10.9	5.98	turbid yellow brown
11:02	0.5	1.5	6.36	10.8	5.93	SA
11:04	0.5	2.0	6.36	10.7	5.92	SA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll

Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW12 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 1300  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 15.17 Total Depth of Well: 19.00  
 Time: 1252 Depth to Product: NA

Vol. of Water to Purge: 1.8 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1252	0.5	0.5	7.88	12.3	3.77	clear strong odor
1254	0.5	1.0	7.91	12.1	3.76	SAA
1256	0.5	1.5	7.91	12.1	3.77	SAA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: Eddie Carroll Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW13 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 11:50  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 14.64 Total Depth of Well: 18.38  
 Time: 1140 Depth to Product: NA

Vol. of Water to Purge: 1.6 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. C (F)	Conductivity (us or ms)	Comments
1141	0.5	0.5	7.88	12.1	5.71	Slightly turbid yellow brown
1143	0.5	1.0	7.89	11.9	5.73	SAA
1145	0.5	1.5	7.88	11.9	5.70	SAA
		1.8				

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: Eric Carroll Date: 3/29/24





Total Depth of Well: 12.93  
Depth to Product: NA

Vol. of Water to Purge:                      (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: bailler

Method of Sampling: bailler

[illegible]

Date: 3/29/24





### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW15 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 1245  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 13.03 Total Depth of Well: 20.70  
 Time: 1238 Depth to Product: NA

Vol. of Water to Purge: 3.7 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1238	1.0	1.0	7.85	12.6	8.54	Turbid to brown
1240	1.0	2.0	7.85	12.5	8.60	54A
1242	1.0	3.0	7.85	12.5	8.60	54A
1243	0.5	3.5	7.84	12.4	8.65	54A

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW16 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 1310  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 14.37 Total Depth of Well: 18.55  
 Time: 1304 Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 2.0 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or ms)	Comments
1304	0.5	0.5	8.09	12.6	3.40	brown, turbid
1306	0.5	1.0	8.11	12.3	3.36	SAA
1308	0.5	1.5	8.10	12.3	3.36	9 SAA
1309	0.5	2.0	8.10	12.3	3.36	SAA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS Project Location: Rio Arriba, NM  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW18 Matrix: GW  
 Sample Date: 3-29-24 Sample Time: 11:20  
 Laboratory: Eurofins ABQ Shipping Method: Courier  
 Analyses: BTEX  
 Depth to Water: 13.11 Total Depth of Well: 15.15  
 Time: 11-16 Depth to Product: NA

Vol. of Water to Purge: 1.0 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (°F)	Conductivity (us or/ms)	Comments
11:16	0.5	0.5	7.89	11.8	41.3	Turbid yellowbrown
11:18	0.5	1.0	7.91	11.7	40.2	SAA

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

\_\_\_\_\_

Signature: E. Carroll Date: 3/29/24



### Groundwater Sample Collection Form

Project Name: Dogie CS  
Project Number: 07B2002004

Project Location: Rio Arriba, NM  
Sampler: E. Carroll

Sample ID: MW19  
Sample Date: 3-29-24  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: GW  
Sample Time: 1130  
Shipping Method: Courier

Depth to Water: 10.00  
Time: 1122

Total Depth of Well: 15.45  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 2.0 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
Method of Purging: Bailer  
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. <del>C</del> (F)	Conductivity (us or ms)	Comments
1122	1.0	1.0	7.66	11.2	23.6	Turbid yellow brown
1124	1.0	2.0	7.64	11.1	24.3	STA
1126	0.5	2.5	7.64	11.1	24.4	STA

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_  
\_\_\_\_\_

Signature: E. Carroll

Date: 3/29/24





### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
Project Number: 07B2002004

Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_

Sample ID: MW03  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: Groundwater  
Sample Time: 950  
Shipping Method: Courier

Depth to Water: 15.71  
Time: 933

Total Depth of Well: 1952  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 1.86

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
938	.5	.5	6.99	63.1	4.51	Clear H2O. light screen. Strong sulfur smell
940	.5	1	7.13	61.2	5.25	SAA
942	.5	1.5	7.21	60.9	4.08 <sup>ms</sup> 5.10	SAA
944	.36	1.86	7.26	60.8	4.87	black H2O

Comments: Has a very light screen amt. Going to sample anyway.

Describe Deviations from SOP: \_\_\_\_\_

Signature: UPatterson

Date: 9/24/24





### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
Project Number: 07B2002004

Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_

Sample ID: MINOS  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: Groundwater  
Sample Time: 1020  
Shipping Method: Courier

Depth to Water: 15.26  
Time: 1005

Total Depth of Well: 18.21  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 1.45

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1013	.5	.5	7.17	62.7	2.82	black silty H <sub>2</sub> O. light green. silty mud.
1015	.5	1.0	7.23	59.8	4.62	SAA
1017	.45	1.45	7.29	59.6	4.59	SAA

Comments: Has light Screen but going to sample anyway.

Describe Deviations from SOP: \_\_\_\_\_

Signature: [Signature]

Date: 9/24/24



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### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
 Project Number: 07B2002004  
 Sample ID: MW07  
 Sample Date: 9/17/2024  
 Laboratory: Eurofins ABQ  
 Analyses: BTEX

Project Location: Dogie Compressor  
 Sampler: \_\_\_\_\_  
 Matrix: Groundwater  
 Sample Time: 13:30  
 Shipping Method: Courier

Depth to Water: \_\_\_\_\_  
 Time: 13:11

Total Depth of Well: 20.50  
 Depth to Product: 13.00

Vol. of Water to Purge: 3.3

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
13:18	1	1	7.56	64.2	4.91	Has screen and product smell. Clean
13:21	1	2	7.29	61.6	4.81	SAA
13:25	1.3	3.3	7.31	60.6	4.78	SAA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: [Signature]

Date: 9/24/24



Groundwater Sample Collection FormProject Name: Dogie East Ptlt  
Project Number: 07B2002004Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_Sample ID: MW08  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEXMatrix: Groundwater  
Sample Time: 1050  
Shipping Method: CourierDepth to Water: 12.79  
Time: 1029Total Depth of Well: 21.50  
Depth to Product: \_\_\_\_\_Vol. of Water to Purge: 4.9

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: BailerMethod of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
	1	1				
	1	2				
	1	3				
	1.4	4.4				

Comments: inadequate H<sub>2</sub>O amount. cannot take parameters. Just going to sample. bailing dry @ 5 gallons.

Describe Deviations from SOP: \_\_\_\_\_

Signature: [Signature]Date: 9/27/24



**Groundwater Sample Collection Form**

Project Name: Dogie East Pt  
Project Number: 07B2002004  
Sample ID: MW10  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_  
Matrix: Groundwater  
Sample Time: \_\_\_\_\_  
Shipping Method: Courier

Depth to Water: 8.70  
Time: 1305

Total Depth of Well: 9.51  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: .5 gallons  
Method of Purging: Bailer  
Method of Sampling: Bailer

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
	.5	.5				

Comments: cannot sample. not enough H<sub>2</sub>O. I also believe there are roots in well that are preventing the sampling.

Describe Deviations from SOP: \_\_\_\_\_

Signature: U. Attaw

Date: 9/27/24



### Groundwater Sample Collection Form

Project Name: Dogie East Plit  
Project Number: 07B2002004

Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_

Sample ID: MW11  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: Groundwater  
Sample Time: 1300  
Shipping Method: Courier

Depth to Water: 9.71  
Time: 12:45

Total Depth of Well: 15.26  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 2.7

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1248	1	1	7.16	65.4	4.63	turbid brown H <sub>2</sub> O. SL sulfur smell
	1	2				
	.7	2.7				

Comments: cannot take anymore parameters. bailing dry @ around 1.75 gallons. I believe this is due to roots in well. Gonna try to just sample.

Describe Deviations from SOP: \_\_\_\_\_

Signature: [Signature]

Date: 9/12/24



### Groundwater Sample Collection Form

Project Name: Lowery Tank Battery Q3 Sampling  
Project Number: \_\_\_\_\_

Project Location: Dogie Comp Station  
Sampler: \_\_\_\_\_

Sample ID: MW12  
Sample Date: 10/8/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Matrix: Groundwater  
Sample Time: 1015  
Shipping Method: Courier

Depth to Water: 15.67  
Time: 955

Total Depth of Well: 19.50  
Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 1.8 gallons (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
	.5	.5	7.55	61.8	4.63	H2O has light screen on surface.
	.5	1.00	7.55	61.6	4.34	overall clear H2O w/ some black bit. Has
	.8	1.8	7.51	60.9	4.23	S/O. SAA

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: \_\_\_\_\_

UPatterson

Date: 10/8/2024





Project Location: Dogie Compressor  
 Sampler: \_\_\_\_\_  
 Matrix: Groundwater  
 Sample Time: 1225  
 Shipping Method: Courrier

Total Depth of Well: 18.11  
Depth to Product: —

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

**Method of Sampling:** Bailer

Comments: Inadequate H<sub>2</sub>O. bailony only at around  
75 gallons. Will sample without taking  
further parameters. I believe there are roots @  
bottom that is preventing me to be able to  
bring more H<sub>2</sub>O.

**Date:**



**Groundwater Sample Collection Form**Project Name: Dogie East Plt  
Project Number: 07B2002004Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_Sample ID: MW1A  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEXMatrix: Groundwater  
Sample Time: 1700  
Shipping Method: CourierDepth to Water: 12.52  
Time: 11:12Total Depth of Well: 18.50  
Depth to Product: \_\_\_\_\_Vol. of Water to Purge: 2.9

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: BailerMethod of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1151	1	1	7.49	63.2	4.55	yellow / murky H <sub>2</sub> O
1154	1	2	7.61	62.0	5.12	SAA
1156	.9	2.9	7.64	62.0	5.18	SAA

Comments: NA

Describe Deviations from SOP: \_\_\_\_\_

Signature: [Signature]Date: 9/24/24

**ENSOLUM****Groundwater Sample Collection Form**Project Name: Dogie East Ptlt  
Project Number: 07B2002004Project Location: Dogie Compressor  
Sampler: \_\_\_\_\_Sample ID: MW15  
Sample Date: 9/17/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEXMatrix: Groundwater  
Sample Time: 1130  
Shipping Method: CourierDepth to Water: 13.77  
Time: 1110Total Depth of Well: 20.82  
Depth to Product: \_\_\_\_\_Vol. of Water to Purge: 3.2  
(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
Method of Purging: Bailer  
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1122	1	1	7.78	67.7	9.80	really turbid. light brown /
	1	2				~
	1.2	3.2				

Comments: Super turbid. bail running dry @ 1.5 gallons. 1 just sampled.

Describe Deviations from SOP: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: 9/24/24





Project Name: Lowery Tank Battery Q3 Sampling  
Project Number: 4  
Sample ID: mwlu  
Sample Date: 10/8/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEX

Project Location: Dogie Comp Station  
 Sampler: \_\_\_\_\_  
 Matrix: Groundwater  
 Sample Time: 950  
 Shipping Method: Courier

Depth to Water: 15.12  
Time: 935

Total Depth of Well: 18.98  
Depth to Product:

Vol. of Water to Purge: 1. 6

Method of Purging: Bailer

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Sampling: Bailer

[illegible]**Comments:**

**Describe Deviations from SOP:**

**Signature:**

**Date:** 10/8/2024

Groundwater Sample Collection FormProject Name: Lowery Tank Battery Q3 Sampling  
Project Number: \_\_\_\_\_Project Location: Dogie Comp Station  
Sampler: \_\_\_\_\_Sample ID: MW18  
Sample Date: 10/8/2024  
Laboratory: Eurofins ABQ  
Analyses: BTEXMatrix: Groundwater  
Sample Time: 930  
Shipping Method: CourierDepth to Water: 13.15  
Time: 915Total Depth of Well: 15.35  
Depth to Product: \_\_\_\_\_Vol. of Water to Purge: 1.07  
(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
Method of Purging: Bailer  
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
	.25	.25				Yellow H2O
	.25	.50				
	.25	.75				
	.25	1.00				

Comments: could not take parameters b/c well bailed dry @ .30 gallons - yellow H2O - no S/O

Describe Deviations from SOP: \_\_\_\_\_

Signature: UPattlerDate: 10/8/2024





### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
 Project Number: 07B2002004  
 Sample ID: MW-19  
 Sample Date: 10/11/2024  
 Laboratory: Eurofins  
 Analyses: BTEX

Project Location: Dogie CS  
 Sampler: E. Carroll  
 Matrix: Groundwater  
 Sample Time: 11:00  
 Shipping Method: Bailer

Depth to Water: 18.92  
 Time: \_\_\_\_\_

Total Depth of Well: 15.32  
 Depth to Product: \_\_\_\_\_

Vol. of Water to Purge: 1.8  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or <del>mg</del> )	Comments
1035	0.5	0.5	7.48	18.09	14.23	Turbid gray
1037	0.5	<del>0.5</del> 1.0	7.51	16.79	14.18	
1039	0.5	1.5	7.51	16.44	14.16	
1041	0.3	1.8	7.51	16.41	14.13	

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll

Date: 10/11/24



### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
 Project Number: 0782002004  
 Sample ID: MW-21  
 Sample Date: 10/11/2024  
 Laboratory: EuroFins  
 Analyses: BTEX

Project Location: Dogie CS  
 Sampler: E. Carroll  
 Matrix: Groundwater  
 Sample Time: 11:20  
 Shipping Method: Bailer

Depth to Water: 12.92  
 Time: 1110

Total Depth of Well: 18.10  
 Depth to Product: N/A

Vol. of Water to Purge: 25

(height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols

Method of Purging: Bailer

Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or mS)	Comments
1110	0.5	0.5	7.43	17.43	2.93	Turbid brown
1112	0.5	1.0	7.36	16.68	2.77	↓
1114	0.5	1.5	7.34	16.64	2.73	
1116	0.5	2.0	7.34	16.59	2.73	
1118	0.5	2.5	7.33	16.57	2.74	

Comments: \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_

Signature: E. Carroll

Date: 10/11/24



### Groundwater Sample Collection Form

Project Name: Dogie East Pit Project Location: Dogie CS  
 Project Number: 07B2002004 Sampler: E. Carroll  
 Sample ID: MW-22 Matrix: Groundwater  
 Sample Date: 10/11/2024 Sample Time: 1150  
 Laboratory: EnviroLins Shipping Method: Bailer  
 Analyses: BTEX  
 Depth to Water: 13.41 Total Depth of Well: 18.05  
 Time: 1135 Depth to Product: N/A

Vol. of Water to Purge: 2.2 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1136	0.5	0.5	7.44	17.38	2.71	turbid brown
1138	0.5	1.0	7.38	16.66	2.68	↓
1140	0.5	1.5	7.37	16.64	2.67	
1142	0.5	2.0	7.37	16.63	2.67	

Comments: Dry @ 20 gallons

Describe Deviations from SOP: \_\_\_\_\_

Signature: EC

Date: 10/11/24





### Groundwater Sample Collection Form

Project Name: Dogie East Pit Project Location: Dogie CS  
 Project Number: 07B 2002004 Sampler: E. Carroll  
 Sample ID: MW-23 Matrix: Groundwater  
 Sample Date: 10/11/2024 Sample Time: 1215  
 Laboratory: EnviroFin Shipping Method: carrier  
 Analyses: BTEX  
 Depth to Water: 9.63 Total Depth of Well: 13.24  
 Time: 1200 Depth to Product: NA

Vol. of Water to Purge: 6.73 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1200	0.5	0.5	7.39	19.32	4.61	turbid brown
1202	0.5	1.0	7.37	18.41	4.63	
1204	0.5	1.5	7.37	18.36	4.63	↓

Comments: Dry @ 1.6 gallons

Describe Deviations from SOP:

Signature: EW

Date: 10/11/24



### Groundwater Sample Collection Form

Project Name: Dogie East Pit  
 Project Number: 07B 2002 004

Project Location: Dogie CS  
 Sampler: E. Carroll

Sample ID: MW-24  
 Sample Date: 10/11/2024  
 Laboratory: EUROFINS  
 Analyses: BTEX

Matrix: Groundwater  
 Sample Time: 1246  
 Shipping Method: courier

Depth to Water: 14.57  
 Time: 1225

Total Depth of Well: 18.05  
 Depth to Product: NA

Vol. of Water to Purge: 1.7 (height of water column \* 0.1631 for 2" well or 0.6524 for 4" well) \* 3 well vols  
 Method of Purging: Bailer  
 Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1225	0.5	0.5	7.48	17.14	4.73	Turbid brown
1227	0.5	1.0	7.43	16.84	4.71	↓
1229	0.5	1.5	7.42	16.83	4.70	
1230	0.2	1.7	7.43	16.81	4.70	

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Describe Deviations from SOP: \_\_\_\_\_  
 \_\_\_\_\_

Signature: [Signature]

Date: 10/11/24



## APPENDIX B

### Laboratory Analytical Report

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

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## JOB DESCRIPTION

Dogie

## JOB NUMBER

885-2142-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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

Client: Harvest  
Project/Site: Dogie

Laboratory Job ID: 885-2142-1

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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Glossary

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

# Case Narrative

Client: Harvest  
Project: Dogie

Job ID: 885-2142-1

Job ID: 885-2142-1Eurofins Albuquerque

## Job Narrative 885-2142-1

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 4/2/2024 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 0.8°C.

### GC VOA

Method 8021B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-03 (885-2142-1), MW-15 (885-2142-10) and MW-18 (885-2142-12).

Method 8021B: The following samples were diluted due to the nature of the sample matrix: MW-10 (885-2142-5) and MW-15 (885-2142-10). Elevated reporting limits (RLs) are provided.

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

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Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-03

Date Collected: 03/29/24 12:30

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	2.1		1.0	ug/L			04/03/24 11:54	1	
Ethylbenzene	58		1.0	ug/L			04/03/24 11:54	1	
Toluene	ND		1.0	ug/L			04/03/24 11:54	1	
Xylenes, Total	140		2.0	ug/L			04/03/24 11:54	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	140		52 - 148				04/03/24 11:54	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-05

Date Collected: 03/29/24 12:15

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-2

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	7.6		5.0	ug/L			04/03/24 12:17	5	
Ethylbenzene	31		5.0	ug/L			04/03/24 12:17	5	
Toluene	6.2		5.0	ug/L			04/03/24 12:17	5	
Xylenes, Total	96		10	ug/L			04/03/24 12:17	5	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		52 - 148				04/03/24 12:17	5	



Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-06

Date Collected: 03/29/24 13:25

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	2600		50	ug/L			04/03/24 12:41	50	
Ethylbenzene	390		5.0	ug/L			04/03/24 18:33	5	
Toluene	ND		5.0	ug/L			04/03/24 18:33	5	
Xylenes, Total	1000		100	ug/L			04/03/24 12:41	50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		52 - 148				04/03/24 18:33	5	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-08

Date Collected: 03/29/24 12:05

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-4

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			04/03/24 13:04	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 13:04	1	
Toluene	ND		1.0	ug/L			04/03/24 13:04	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 13:04	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		52 - 148				04/03/24 13:04	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-10

Date Collected: 03/29/24 11:00

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-5

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			04/03/24 13:28	2	
Ethylbenzene	ND		2.0	ug/L			04/03/24 13:28	2	
Toluene	ND		2.0	ug/L			04/03/24 13:28	2	
Xylenes, Total	ND		4.0	ug/L			04/03/24 13:28	2	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		52 - 148				04/03/24 13:28	2	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-11

Date Collected: 03/29/24 11:10

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-6

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			04/03/24 13:51	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 13:51	1	
Toluene	ND		1.0	ug/L			04/03/24 13:51	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 13:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	85		52 - 148				04/03/24 13:51	1	



Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-12      Lab Sample ID: 885-2142-7  
Date Collected: 03/29/24 13:00      Matrix: Water  
Date Received: 04/02/24 07:15

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	1600		50	ug/L			04/03/24 18:09	50	
Ethylbenzene	12		5.0	ug/L			04/03/24 14:15	5	
Toluene	61		5.0	ug/L			04/03/24 14:15	5	
Xylenes, Total	26		10	ug/L			04/03/24 14:15	5	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		52 - 148				04/03/24 14:15	5	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-13

Date Collected: 03/29/24 11:50

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-8

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			04/03/24 14:38	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 14:38	1	
Toluene	ND		1.0	ug/L			04/03/24 14:38	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 14:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		52 - 148				04/03/24 14:38	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-14

Date Collected: 03/29/24 11:35

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-9

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			04/03/24 15:25	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 15:25	1	
Toluene	ND		1.0	ug/L			04/03/24 15:25	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 15:25	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		52 - 148				04/03/24 15:25	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-15

Date Collected: 03/29/24 12:45

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-10

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			04/03/24 15:49	2	
Ethylbenzene	ND		2.0	ug/L			04/03/24 15:49	2	
Toluene	ND		2.0	ug/L			04/03/24 15:49	2	
Xylenes, Total	ND		4.0	ug/L			04/03/24 15:49	2	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	85		52 - 148				04/03/24 15:49	2	



Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-16      Lab Sample ID: 885-2142-11  
Date Collected: 03/29/24 13:10      Matrix: Water  
Date Received: 04/02/24 07:15

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			04/03/24 16:12	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 16:12	1	
Toluene	ND		1.0	ug/L			04/03/24 16:12	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 16:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	85		52 - 148				04/03/24 16:12	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-18

Date Collected: 03/29/24 11:20

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-12

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			04/03/24 16:35	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 16:35	1	
Toluene	ND		1.0	ug/L			04/03/24 16:35	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 16:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		52 - 148				04/03/24 16:35	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-19

Date Collected: 03/29/24 11:30

Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-13

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	7.1		1.0	ug/L			04/03/24 16:59	1	
Ethylbenzene	ND		1.0	ug/L			04/03/24 16:59	1	
Toluene	ND		1.0	ug/L			04/03/24 16:59	1	
Xylenes, Total	ND		2.0	ug/L			04/03/24 16:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	96		52 - 148				04/03/24 16:59	1	

## QC Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

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

Lab Sample ID: MB 885-2769/22

Matrix: Water

Analysis Batch: 2769

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			04/03/24 10:19	1
Ethylbenzene	ND		1.0	ug/L			04/03/24 10:19	1
Toluene	ND		1.0	ug/L			04/03/24 10:19	1
Xylenes, Total	ND		2.0	ug/L			04/03/24 10:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		52 - 148		04/03/24 10:19	1

Lab Sample ID: LCS 885-2769/21

Matrix: Water

Analysis Batch: 2769

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	17.5		ug/L		87	70 - 130
Ethylbenzene	20.0	17.8		ug/L		89	70 - 130
m&p-Xylene	40.0	36.1		ug/L		90	70 - 130
o-Xylene	20.0	17.6		ug/L		88	70 - 130
Toluene	20.0	17.6		ug/L		88	70 - 130
Xylenes, Total	60.0	53.7		ug/L		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		52 - 148

Lab Sample ID: 885-2142-13 MS

Matrix: Water

Analysis Batch: 2769

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	7.1		20.0	25.0		ug/L		90	70 - 130
Ethylbenzene	ND		20.0	17.8		ug/L		86	70 - 130
m&p-Xylene	ND		40.0	35.0		ug/L		87	70 - 130
o-Xylene	ND		20.0	17.2		ug/L		86	70 - 130
Toluene	ND		20.0	17.2		ug/L		86	70 - 130
Xylenes, Total	ND		60.0	52.3		ug/L		86	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		52 - 148

Lab Sample ID: 885-2142-13 MSD

Matrix: Water

Analysis Batch: 2769

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	7.1		20.0	24.6		ug/L		88	70 - 130	2	20
Ethylbenzene	ND		20.0	17.8		ug/L		86	70 - 130	0	20
m&p-Xylene	ND		40.0	35.1		ug/L		87	70 - 130	0	20
o-Xylene	ND		20.0	17.3		ug/L		87	70 - 130	0	20
Toluene	ND		20.0	17.1		ug/L		85	70 - 130	1	20

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QC Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

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

Lab Sample ID: 885-2142-13 MSD							Client Sample ID: MW-19					
Matrix: Water							Prep Type: Total/NA					
Analysis Batch: 2769												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Xylenes, Total	ND		60.0	52.4		ug/L		87	70 - 130	0	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	97		52 - 148									

QC Association Summary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

GC VOA

Analysis Batch: 2769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-2142-1	MW-03	Total/NA	Water	8021B	
885-2142-2	MW-05	Total/NA	Water	8021B	
885-2142-3	MW-06	Total/NA	Water	8021B	
885-2142-3	MW-06	Total/NA	Water	8021B	
885-2142-4	MW-08	Total/NA	Water	8021B	
885-2142-5	MW-10	Total/NA	Water	8021B	
885-2142-6	MW-11	Total/NA	Water	8021B	
885-2142-7	MW-12	Total/NA	Water	8021B	
885-2142-7	MW-12	Total/NA	Water	8021B	
885-2142-8	MW-13	Total/NA	Water	8021B	
885-2142-9	MW-14	Total/NA	Water	8021B	
885-2142-10	MW-15	Total/NA	Water	8021B	
885-2142-11	MW-16	Total/NA	Water	8021B	
885-2142-12	MW-18	Total/NA	Water	8021B	
885-2142-13	MW-19	Total/NA	Water	8021B	
MB 885-2769/22	Method Blank	Total/NA	Water	8021B	
LCS 885-2769/21	Lab Control Sample	Total/NA	Water	8021B	
885-2142-13 MS	MW-19	Total/NA	Water	8021B	
885-2142-13 MSD	MW-19	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-03  
Date Collected: 03/29/24 12:30  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-1  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 11:54

Client Sample ID: MW-05  
Date Collected: 03/29/24 12:15  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-2  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	2769	JP	EET ALB	04/03/24 12:17

Client Sample ID: MW-06  
Date Collected: 03/29/24 13:25  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-3  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	2769	JP	EET ALB	04/03/24 12:41
Total/NA	Analysis	8021B		5	2769	JP	EET ALB	04/03/24 18:33

Client Sample ID: MW-08  
Date Collected: 03/29/24 12:05  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-4  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 13:04

Client Sample ID: MW-10  
Date Collected: 03/29/24 11:00  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-5  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	2769	JP	EET ALB	04/03/24 13:28

Client Sample ID: MW-11  
Date Collected: 03/29/24 11:10  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-6  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 13:51

Client Sample ID: MW-12  
Date Collected: 03/29/24 13:00  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-7  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	2769	JP	EET ALB	04/03/24 14:15
Total/NA	Analysis	8021B		50	2769	JP	EET ALB	04/03/24 18:09

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Lab Chronicle

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Client Sample ID: MW-13  
Date Collected: 03/29/24 11:50  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-8  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 14:38

Client Sample ID: MW-14  
Date Collected: 03/29/24 11:35  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-9  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 15:25

Client Sample ID: MW-15  
Date Collected: 03/29/24 12:45  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-10  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	2769	JP	EET ALB	04/03/24 15:49

Client Sample ID: MW-16  
Date Collected: 03/29/24 13:10  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-11  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 16:12

Client Sample ID: MW-18  
Date Collected: 03/29/24 11:20  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-12  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 16:35

Client Sample ID: MW-19  
Date Collected: 03/29/24 11:30  
Date Received: 04/02/24 07:15

Lab Sample ID: 885-2142-13  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	2769	JP	EET ALB	04/03/24 16:59

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



Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-2142-1

Laboratory: Eurofins Albuquerque

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

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





## Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-2142-1

Login Number: 2142

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

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





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/3/2024 1:16:48 PM

## JOB DESCRIPTION

Dogie CS

## JOB NUMBER

885-12471-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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

Client: Harvest  
Project/Site: Dogie CS

Laboratory Job ID: 885-12471-1

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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Glossary

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



## Case Narrative

Client: Harvest  
Project: Dogie CS

Job ID: 885-12471-1

**Job ID: 885-12471-1**

**Eurofins Albuquerque**

### Job Narrative 885-12471-1

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 9/25/2024 6:50 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 2.4°C.

#### GC VOA

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

Eurofins Albuquerque

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

**Client Sample ID: MW-06**  
**Date Collected: 09/24/24 13:55**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-1**  
**Matrix: Water**

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	930		50	ug/L			09/28/24 08:58	50	
Ethylbenzene	430		50	ug/L			09/28/24 08:58	50	
Toluene	ND		50	ug/L			09/28/24 08:58	50	
Xylenes, Total	1200		100	ug/L			09/28/24 08:58	50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	125		43 - 158				09/28/24 08:58	50	

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-07

Lab Sample ID: 885-12471-2

Date Collected: 09/24/24 13:30

Matrix: Water

Date Received: 09/25/24 06:50

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	170		20	ug/L			09/28/24 09:20	20	
Ethylbenzene	140		20	ug/L			09/28/24 09:20	20	
Toluene	1000		20	ug/L			09/28/24 09:20	20	
Xylenes, Total	1400		40	ug/L			09/28/24 09:20	20	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	119		43 - 158				09/28/24 09:20	20	

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-11

Date Collected: 09/24/24 13:00

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-3

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			09/28/24 09:42	1	
Ethylbenzene	1.3		1.0	ug/L			09/28/24 09:42	1	
Toluene	ND		1.0	ug/L			09/28/24 09:42	1	
Xylenes, Total	7.5		2.0	ug/L			09/28/24 09:42	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		43 - 158				09/28/24 09:42	1	



Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-14

Date Collected: 09/24/24 12:00

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-4

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			09/28/24 10:47	1
Ethylbenzene	ND		1.0	ug/L			09/28/24 10:47	1
Toluene	ND		1.0	ug/L			09/28/24 10:47	1
Xylenes, Total	ND		2.0	ug/L			09/28/24 10:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		43 - 158				09/28/24 10:47	1

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-13

Date Collected: 09/24/24 12:25

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			09/28/24 11:09	1
Ethylbenzene	ND		1.0	ug/L			09/28/24 11:09	1
Toluene	ND		1.0	ug/L			09/28/24 11:09	1
Xylenes, Total	ND		2.0	ug/L			09/28/24 11:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		43 - 158				09/28/24 11:09	1

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-15

Date Collected: 09/24/24 11:30

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-6

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			09/28/24 11:30	2
Ethylbenzene	ND		2.0	ug/L			09/28/24 11:30	2
Toluene	ND		2.0	ug/L			09/28/24 11:30	2
Xylenes, Total	ND		4.0	ug/L			09/28/24 11:30	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		43 - 158				09/28/24 11:30	2

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-08

Date Collected: 09/24/24 10:50

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			09/28/24 11:52	1
Ethylbenzene	ND		1.0	ug/L			09/28/24 11:52	1
Toluene	ND		1.0	ug/L			09/28/24 11:52	1
Xylenes, Total	ND		2.0	ug/L			09/28/24 11:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		43 - 158				09/28/24 11:52	1

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Client Sample ID: MW-05

Date Collected: 09/24/24 10:20

Date Received: 09/25/24 06:50

Lab Sample ID: 885-12471-8

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		5.0	ug/L			09/28/24 12:14	5	
Ethylbenzene	66		5.0	ug/L			09/28/24 12:14	5	
Toluene	ND		5.0	ug/L			09/28/24 12:14	5	
Xylenes, Total	230		10	ug/L			09/28/24 12:14	5	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	154		43 - 158				09/28/24 12:14	5	



Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

**Client Sample ID: MW-03**  
**Date Collected: 09/24/24 09:50**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-9**  
**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			09/28/24 12:36	1	
Ethylbenzene	8.3		1.0	ug/L			09/28/24 12:36	1	
Toluene	ND		1.0	ug/L			09/28/24 12:36	1	
Xylenes, Total	20		2.0	ug/L			09/28/24 12:36	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	153		43 - 158				09/28/24 12:36	1	

## QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

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

Lab Sample ID: MB 885-13301/3

Matrix: Water

Analysis Batch: 13301

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			09/28/24 08:36	1
Ethylbenzene	ND		1.0	ug/L			09/28/24 08:36	1
Toluene	ND		1.0	ug/L			09/28/24 08:36	1
Xylenes, Total	ND		2.0	ug/L			09/28/24 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		43 - 158		09/28/24 08:36	1

Lab Sample ID: LCS 885-13301/2

Matrix: Water

Analysis Batch: 13301

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	19.2		ug/L		96	70 - 130
Ethylbenzene	20.0	19.3		ug/L		96	70 - 130
m&p-Xylene	40.0	38.0		ug/L		95	70 - 130
o-Xylene	20.0	18.7		ug/L		93	70 - 130
Toluene	20.0	19.5		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		43 - 158

Lab Sample ID: 885-12471-3 MS

Matrix: Water

Analysis Batch: 13301

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		20.0	19.7		ug/L		96	70 - 130
Ethylbenzene	1.3		20.0	19.6		ug/L		91	70 - 130
m&p-Xylene	7.5		40.0	39.4		ug/L		80	70 - 130
o-Xylene	ND		20.0	19.0		ug/L		95	70 - 130
Toluene	ND		20.0	19.9		ug/L		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		43 - 158

Lab Sample ID: 885-12471-3 MSD

Matrix: Water

Analysis Batch: 13301

Client Sample ID: MW-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		20.0	19.5		ug/L		94	70 - 130	1	20
Ethylbenzene	1.3		20.0	19.5		ug/L		91	70 - 130	0	20
m&p-Xylene	7.5		40.0	39.3		ug/L		79	70 - 130	0	20
o-Xylene	ND		20.0	18.9		ug/L		95	70 - 130	1	20
Toluene	ND		20.0	19.8		ug/L		99	70 - 130	1	20

Eurofins Albuquerque

QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

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

Lab Sample ID: 885-12471-3 MSD  
Matrix: Water  
Analysis Batch: 13301

Client Sample ID: MW-11  
Prep Type: Total/NA

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

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QC Association Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

GC VOA

Analysis Batch: 13301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12471-1	MW-06	Total/NA	Water	8021B	
885-12471-2	MW-07	Total/NA	Water	8021B	
885-12471-3	MW-11	Total/NA	Water	8021B	
885-12471-4	MW-14	Total/NA	Water	8021B	
885-12471-5	MW-13	Total/NA	Water	8021B	
885-12471-6	MW-15	Total/NA	Water	8021B	
885-12471-7	MW-08	Total/NA	Water	8021B	
885-12471-8	MW-05	Total/NA	Water	8021B	
885-12471-9	MW-03	Total/NA	Water	8021B	
MB 885-13301/3	Method Blank	Total/NA	Water	8021B	
LCS 885-13301/2	Lab Control Sample	Total/NA	Water	8021B	
885-12471-3 MS	MW-11	Total/NA	Water	8021B	
885-12471-3 MSD	MW-11	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

**Client Sample ID: MW-06**  
**Date Collected: 09/24/24 13:55**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		50	13301	AT	EET ALB	09/28/24 08:58

**Client Sample ID: MW-07**  
**Date Collected: 09/24/24 13:30**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		20	13301	AT	EET ALB	09/28/24 09:20

**Client Sample ID: MW-11**  
**Date Collected: 09/24/24 13:00**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	13301	AT	EET ALB	09/28/24 09:42

**Client Sample ID: MW-14**  
**Date Collected: 09/24/24 12:00**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	13301	AT	EET ALB	09/28/24 10:47

**Client Sample ID: MW-13**  
**Date Collected: 09/24/24 12:25**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	13301	AT	EET ALB	09/28/24 11:09

**Client Sample ID: MW-15**  
**Date Collected: 09/24/24 11:30**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		2	13301	AT	EET ALB	09/28/24 11:30

**Client Sample ID: MW-08**  
**Date Collected: 09/24/24 10:50**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	13301	AT	EET ALB	09/28/24 11:52

Eurofins Albuquerque



Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

**Client Sample ID: MW-05**  
**Date Collected: 09/24/24 10:20**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	13301	AT	EET ALB	09/28/24 12:14

**Client Sample ID: MW-03**  
**Date Collected: 09/24/24 09:50**  
**Date Received: 09/25/24 06:50**

**Lab Sample ID: 885-12471-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	13301	AT	EET ALB	09/28/24 12:36

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

Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-12471-1

Laboratory: Eurofins Albuquerque

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

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



## Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-12471-1

Login Number: 12471

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/23/2024 1:13:53 PM

## JOB DESCRIPTION

Dogie CS

## JOB NUMBER

885-13529-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



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10/23/2024 1:13:53 PM

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

Client: Harvest  
Project/Site: Dogie CS

Laboratory Job ID: 885-13529-1

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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

Glossary

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

Case Narrative

Client: Harvest  
Project: Dogie CS

Job ID: 885-13529-1

Job ID: 885-13529-1Eurofins Albuquerque

Job Narrative  
885-13529-1

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 10/10/2024 7:20 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 3.3°C.

GC VOA

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

Eurofins Albuquerque

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

Client Sample ID: MW-12

Date Collected: 10/08/24 10:15

Date Received: 10/10/24 07:20

Lab Sample ID: 885-13529-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	160		5.0	ug/L			10/11/24 16:24	5	
Ethylbenzene	ND		5.0	ug/L			10/11/24 16:24	5	
Toluene	220		5.0	ug/L			10/11/24 16:24	5	
Xylenes, Total	140		10	ug/L			10/11/24 16:24	5	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		43 - 158				10/11/24 16:24	5	



Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

Client Sample ID: MW-16

Date Collected: 10/08/24 09:50

Date Received: 10/10/24 07:20

Lab Sample ID: 885-13529-2

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			10/11/24 16:47	1	
Ethylbenzene	ND		1.0	ug/L			10/11/24 16:47	1	
Toluene	ND		1.0	ug/L			10/11/24 16:47	1	
Xylenes, Total	ND		2.0	ug/L			10/11/24 16:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		43 - 158				10/11/24 16:47	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

Client Sample ID: MW-18

Lab Sample ID: 885-13529-3

Date Collected: 10/08/24 09:30

Matrix: Water

Date Received: 10/10/24 07:20

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			10/11/24 17:11	1	
Ethylbenzene	ND		1.0	ug/L			10/11/24 17:11	1	
Toluene	ND		1.0	ug/L			10/11/24 17:11	1	
Xylenes, Total	ND		2.0	ug/L			10/11/24 17:11	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		43 - 158				10/11/24 17:11	1	

## QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

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

Lab Sample ID: MB 885-14210/19

Matrix: Water

Analysis Batch: 14210

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			10/11/24 13:16	1
Ethylbenzene	ND		1.0	ug/L			10/11/24 13:16	1
Toluene	ND		1.0	ug/L			10/11/24 13:16	1
Xylenes, Total	ND		2.0	ug/L			10/11/24 13:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		43 - 158				10/11/24 13:16	1

Lab Sample ID: LCS 885-14210/18

Matrix: Water

Analysis Batch: 14210

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	19.6		ug/L		98	70 - 130
Ethylbenzene	20.0	19.8		ug/L		99	70 - 130
m&p-Xylene	40.0	39.7		ug/L		99	70 - 130
o-Xylene	20.0	19.5		ug/L		98	70 - 130
Toluene	20.0	19.7		ug/L		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	105		43 - 158				

Lab Sample ID: MB 885-14300/26

Matrix: Water

Analysis Batch: 14300

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			10/14/24 12:48	1
Ethylbenzene	ND		1.0	ug/L			10/14/24 12:48	1
Toluene	ND		1.0	ug/L			10/14/24 12:48	1
Xylenes, Total	ND		2.0	ug/L			10/14/24 12:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		43 - 158				10/14/24 12:48	1

Lab Sample ID: LCS 885-14300/25

Matrix: Water

Analysis Batch: 14300

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	19.5		ug/L		98	70 - 130
Ethylbenzene	20.0	20.0		ug/L		100	70 - 130
m&p-Xylene	40.0	39.8		ug/L		100	70 - 130
o-Xylene	20.0	19.6		ug/L		98	70 - 130
Toluene	20.0	19.5		ug/L		98	70 - 130

Eurofins Albuquerque

QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

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

Lab Sample ID: LCS 885-14300/25  
Matrix: Water  
Analysis Batch: 14300

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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		43 - 158

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QC Association Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

GC VOA

Analysis Batch: 14210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13529-1	MW-12	Total/NA	Water	8021B	
885-13529-2	MW-16	Total/NA	Water	8021B	
885-13529-3	MW-18	Total/NA	Water	8021B	
MB 885-14210/19	Method Blank	Total/NA	Water	8021B	
LCS 885-14210/18	Lab Control Sample	Total/NA	Water	8021B	

Analysis Batch: 14300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-14300/26	Method Blank	Total/NA	Water	8021B	
LCS 885-14300/25	Lab Control Sample	Total/NA	Water	8021B	



Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

**Client Sample ID: MW-12**  
**Date Collected: 10/08/24 10:15**  
**Date Received: 10/10/24 07:20**

**Lab Sample ID: 885-13529-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		5	14210	JP	EET ALB	10/11/24 16:24

**Client Sample ID: MW-16**  
**Date Collected: 10/08/24 09:50**  
**Date Received: 10/10/24 07:20**

**Lab Sample ID: 885-13529-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14210	JP	EET ALB	10/11/24 16:47

**Client Sample ID: MW-18**  
**Date Collected: 10/08/24 09:30**  
**Date Received: 10/10/24 07:20**

**Lab Sample ID: 885-13529-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14210	JP	EET ALB	10/11/24 17:11

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

Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13529-1

Laboratory: Eurofins Albuquerque

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

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



## Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-13529-1

Login Number: 13529

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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



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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/15/2024 2:48:57 PM

## JOB DESCRIPTION

Dogie

## JOB NUMBER

885-13651-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

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

## Authorization



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

Client: Harvest  
Project/Site: Dogie

Laboratory Job ID: 885-13651-1



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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Glossary

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

Case Narrative

Client: Harvest  
Project: Dogie

Job ID: 885-13651-1

Job ID: 885-13651-1Eurofins Albuquerque

Job Narrative  
885-13651-1

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 10/12/2024 6:55 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 1.5°C.

GC VOA

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

Eurofins Albuquerque

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Client Sample ID: MW-19

Date Collected: 10/11/24 11:00

Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-1

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	19		1.0	ug/L			10/14/24 15:55	1	
Ethylbenzene	1.9		1.0	ug/L			10/14/24 15:55	1	
Toluene	ND		1.0	ug/L			10/14/24 15:55	1	
Xylenes, Total	ND		2.0	ug/L			10/14/24 15:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	128		43 - 158				10/14/24 15:55	1	



Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Client Sample ID: MW-21

Date Collected: 10/11/24 11:20

Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-2

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			10/14/24 16:18	1	
Ethylbenzene	ND		1.0	ug/L			10/14/24 16:18	1	
Toluene	ND		1.0	ug/L			10/14/24 16:18	1	
Xylenes, Total	ND		2.0	ug/L			10/14/24 16:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		43 - 158				10/14/24 16:18	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Client Sample ID: MW-22

Date Collected: 10/11/24 11:50

Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-3

Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	5100		100	ug/L			10/14/24 21:24	100	
Ethylbenzene	ND		1.0	ug/L			10/14/24 16:42	1	
Toluene	ND		1.0	ug/L			10/14/24 16:42	1	
Xylenes, Total	ND		2.0	ug/L			10/14/24 16:42	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		43 - 158				10/14/24 16:42	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Client Sample ID: MW-23

Date Collected: 10/11/24 12:15

Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-4

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			10/14/24 21:47	1	
Ethylbenzene	ND		1.0	ug/L			10/14/24 21:47	1	
Toluene	ND		1.0	ug/L			10/14/24 21:47	1	
Xylenes, Total	ND		2.0	ug/L			10/14/24 21:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		43 - 158				10/14/24 21:47	1	

Client Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

**Client Sample ID: MW-24**  
**Date Collected: 10/11/24 12:40**  
**Date Received: 10/12/24 06:55**

**Lab Sample ID: 885-13651-5**  
**Matrix: Water**

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	5.4		1.0	ug/L			10/14/24 17:29	1	
Ethylbenzene	12		1.0	ug/L			10/14/24 17:29	1	
Toluene	23		1.0	ug/L			10/14/24 17:29	1	
Xylenes, Total	57		2.0	ug/L			10/14/24 17:29	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		43 - 158				10/14/24 17:29	1	

## QC Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

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

Lab Sample ID: MB 885-14300/26

Matrix: Water

Analysis Batch: 14300

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			10/14/24 12:48	1
Ethylbenzene	ND		1.0	ug/L			10/14/24 12:48	1
Toluene	ND		1.0	ug/L			10/14/24 12:48	1
Xylenes, Total	ND		2.0	ug/L			10/14/24 12:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		43 - 158				10/14/24 12:48	1

Lab Sample ID: LCS 885-14300/25

Matrix: Water

Analysis Batch: 14300

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	19.5		ug/L		98	70 - 130
Ethylbenzene	20.0	20.0		ug/L		100	70 - 130
m&p-Xylene	40.0	39.8		ug/L		100	70 - 130
o-Xylene	20.0	19.6		ug/L		98	70 - 130
Toluene	20.0	19.5		ug/L		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	109		43 - 158				

Lab Sample ID: 885-13651-1 MS

Matrix: Water

Analysis Batch: 14300

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	19		20.0	38.5		ug/L		99	70 - 130
Ethylbenzene	1.9		20.0	21.9		ug/L		100	70 - 130
m&p-Xylene	ND		40.0	40.5		ug/L		100	70 - 130
o-Xylene	ND		20.0	19.7		ug/L		99	70 - 130
Toluene	ND		20.0	20.0		ug/L		100	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	126		43 - 158						

Lab Sample ID: 885-13651-1 MSD

Matrix: Water

Analysis Batch: 14300

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	19		20.0	37.7		ug/L		95	70 - 130	2	20
Ethylbenzene	1.9		20.0	22.1		ug/L		101	70 - 130	1	20
m&p-Xylene	ND		40.0	40.3		ug/L		99	70 - 130	1	20
o-Xylene	ND		20.0	19.8		ug/L		99	70 - 130	0	20
Toluene	ND		20.0	19.5		ug/L		98	70 - 130	2	20

Eurofins Albuquerque



QC Sample Results

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

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

Lab Sample ID: 885-13651-1 MSD  
Matrix: Water  
Analysis Batch: 14300

Client Sample ID: MW-19  
Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		43 - 158

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QC Association Summary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

GC VOA

Analysis Batch: 14300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13651-1	MW-19	Total/NA	Water	8021B	
885-13651-2	MW-21	Total/NA	Water	8021B	
885-13651-3	MW-22	Total/NA	Water	8021B	
885-13651-3	MW-22	Total/NA	Water	8021B	
885-13651-4	MW-23	Total/NA	Water	8021B	
885-13651-5	MW-24	Total/NA	Water	8021B	
MB 885-14300/26	Method Blank	Total/NA	Water	8021B	
LCS 885-14300/25	Lab Control Sample	Total/NA	Water	8021B	
885-13651-1 MS	MW-19	Total/NA	Water	8021B	
885-13651-1 MSD	MW-19	Total/NA	Water	8021B	

Lab Chronicle

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Client Sample ID: MW-19  
Date Collected: 10/11/24 11:00  
Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-1  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14300	JP	EET ALB	10/14/24 15:55

Client Sample ID: MW-21  
Date Collected: 10/11/24 11:20  
Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-2  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14300	JP	EET ALB	10/14/24 16:18

Client Sample ID: MW-22  
Date Collected: 10/11/24 11:50  
Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-3  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14300	JP	EET ALB	10/14/24 16:42
Total/NA	Analysis	8021B		100	14300	JP	EET ALB	10/14/24 21:24

Client Sample ID: MW-23  
Date Collected: 10/11/24 12:15  
Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-4  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14300	JP	EET ALB	10/14/24 21:47

Client Sample ID: MW-24  
Date Collected: 10/11/24 12:40  
Date Received: 10/12/24 06:55

Lab Sample ID: 885-13651-5  
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14300	JP	EET ALB	10/14/24 17:29

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

Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie

Job ID: 885-13651-1

Laboratory: Eurofins Albuquerque

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

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



## Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-13651-1

Login Number: 13651

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

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





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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/29/2024 1:33:54 PM

## JOB DESCRIPTION

Dogie CS

## JOB NUMBER

885-14201-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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10/29/2024 1:33:54 PM

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

Client: Harvest  
Project/Site: Dogie CS

Laboratory Job ID: 885-14201-1

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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

Glossary

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

## Case Narrative

Client: Harvest  
Project: Dogie CS

Job ID: 885-14201-1

**Job ID: 885-14201-1**

**Eurofins Albuquerque**

### Job Narrative 885-14201-1

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 sample was received on 10/24/2024 7:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

#### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-14932 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Eurofins Albuquerque

Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

Client Sample ID: MW22  
Date Collected: 10/22/24 11:30  
Date Received: 10/24/24 07:30

Lab Sample ID: 885-14201-1  
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	590		100	ug/L			10/25/24 14:20	100	
Ethylbenzene	ND		1.0	ug/L			10/24/24 15:23	1	
Toluene	ND		1.0	ug/L			10/24/24 15:23	1	
Xylenes, Total	ND		2.0	ug/L			10/24/24 15:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	126		43 - 158				10/24/24 15:23	1	



QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-14932/7					Client Sample ID: Method Blank				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 14932									
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		1.0	ug/L			10/24/24 13:13		1
Ethylbenzene	ND		1.0	ug/L			10/24/24 13:13		1
Toluene	ND		1.0	ug/L			10/24/24 13:13		1
Xylenes, Total	ND		2.0	ug/L			10/24/24 13:13		1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		43 - 158				10/24/24 13:13		1

Lab Sample ID: LCS 885-14932/6						Client Sample ID: Lab Control Sample					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 14932											
				Spike	LCS	LCS					
Analyte				Added	Result	Qualifier	Unit	D	%Rec	%Rec	
										Limits	
Benzene				20.0	19.1		ug/L		95	70 - 130	
Ethylbenzene				20.0	19.6		ug/L		98	70 - 130	
m&p-Xylene				40.0	39.1		ug/L		98	70 - 130	
o-Xylene				20.0	19.4		ug/L		97	70 - 130	
Toluene				20.0	19.4		ug/L		97	70 - 130	
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		43 - 158								

QC Association Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

GC VOA

Analysis Batch: 14932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14201-1	MW22	Total/NA	Water	8021B	
MB 885-14932/7	Method Blank	Total/NA	Water	8021B	
LCS 885-14932/6	Lab Control Sample	Total/NA	Water	8021B	

Analysis Batch: 14986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14201-1	MW22	Total/NA	Water	8021B	

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Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

**Client Sample ID: MW22**  
**Date Collected: 10/22/24 11:30**  
**Date Received: 10/24/24 07:30**

**Lab Sample ID: 885-14201-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	14932	AT	EET ALB	10/24/24 15:23
Total/NA	Analysis	8021B		100	14986	AT	EET ALB	10/25/24 14:20

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

Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-14201-1

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

# HALL ENVIRONMENTAL ANALYSIS LABO



[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87 885-14201 COC

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

## Analysis Request

[illegible]

Remarks:

Chanson  
Cic Cornell e Ensolun-Com  
buck

## Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-14201-1

Login Number: 14201

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

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





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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/18/2024 2:33:38 PM

## JOB DESCRIPTION

Dogie CS

## JOB NUMBER

885-13395-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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

Client: Harvest  
Project/Site: Dogie CS

Laboratory Job ID: 885-13395-1

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Definitions/Glossary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Glossary

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

## Case Narrative

Client: Harvest  
Project: Dogie CS

Job ID: 885-13395-1

**Job ID: 885-13395-1**

**Eurofins Albuquerque**

### Job Narrative 885-13395-1

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 10/9/2024 6:40 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 1.0°C.

#### Gasoline Range Organics

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

#### GC VOA

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

#### Diesel Range Organics

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

#### HPLC/IC

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

Eurofins Albuquerque

## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW21@5

Lab Sample ID: 885-13395-1

Date Collected: 10/02/24 11:50

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/09/24 12:14	10/11/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			10/09/24 12:14	10/11/24 18:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/09/24 12:14	10/11/24 18:27	1
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 18:27	1
Toluene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 18:27	1
Xylenes, Total	ND		0.093	mg/Kg		10/09/24 12:14	10/11/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/09/24 12:14	10/11/24 18:27	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/09/24 15:36	10/10/24 19:49	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 15:36	10/10/24 19:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/09/24 15:36	10/10/24 19:49	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		10/10/24 12:06	10/10/24 23:34	20

Eurofins Albuquerque



## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW21@10

Lab Sample ID: 885-13395-2

Date Collected: 10/02/24 11:53

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/09/24 12:14	10/11/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/09/24 12:14	10/11/24 18:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/09/24 12:14	10/11/24 18:48	1
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 18:48	1
Toluene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 18:48	1
Xylenes, Total	ND		0.095	mg/Kg		10/09/24 12:14	10/11/24 18:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/09/24 12:14	10/11/24 18:48	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/09/24 15:36	10/10/24 20:13	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 15:36	10/10/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			10/09/24 15:36	10/10/24 20:13	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		10/10/24 12:06	10/10/24 23:46	20

Eurofins Albuquerque

## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW21@15

Lab Sample ID: 885-13395-3

Date Collected: 10/02/24 11:55

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/09/24 12:14	10/11/24 19:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/09/24 12:14	10/11/24 19:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/09/24 12:14	10/11/24 19:10	1
Ethylbenzene	ND		0.049	mg/Kg		10/09/24 12:14	10/11/24 19:10	1
Toluene	ND		0.049	mg/Kg		10/09/24 12:14	10/11/24 19:10	1
Xylenes, Total	ND		0.098	mg/Kg		10/09/24 12:14	10/11/24 19:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/09/24 12:14	10/11/24 19:10	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		10/09/24 15:36	10/10/24 20:25	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/09/24 15:36	10/10/24 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			10/09/24 15:36	10/10/24 20:25	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/10/24 12:06	10/10/24 23:58	20

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## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW22@10

Lab Sample ID: 885-13395-4

Date Collected: 10/02/24 13:20

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/09/24 12:14	10/11/24 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/09/24 12:14	10/11/24 19:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/09/24 12:14	10/11/24 19:53	1
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 19:53	1
Toluene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 19:53	1
Xylenes, Total	ND		0.094	mg/Kg		10/09/24 12:14	10/11/24 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/09/24 12:14	10/11/24 19:53	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		10/09/24 15:36	10/10/24 20:37	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/09/24 15:36	10/10/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			10/09/24 15:36	10/10/24 20:37	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/10/24 12:06	10/11/24 00:35	20

Eurofins Albuquerque

## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW22@15

Lab Sample ID: 885-13395-5

Date Collected: 10/02/24 13:25

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.9	mg/Kg		10/09/24 12:14	10/11/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/09/24 12:14	10/11/24 20:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/09/24 12:14	10/11/24 20:15	1
Ethylbenzene	ND		0.049	mg/Kg		10/09/24 12:14	10/11/24 20:15	1
Toluene	ND		0.049	mg/Kg		10/09/24 12:14	10/11/24 20:15	1
Xylenes, Total	ND		0.097	mg/Kg		10/09/24 12:14	10/11/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/09/24 12:14	10/11/24 20:15	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		10/09/24 15:36	10/10/24 20:49	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		10/09/24 15:36	10/10/24 20:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			10/09/24 15:36	10/10/24 20:49	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/10/24 12:06	10/11/24 00:48	20

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## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW23@5

Lab Sample ID: 885-13395-6

Date Collected: 10/02/24 14:20

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.6	mg/Kg		10/09/24 12:14	10/11/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/09/24 12:14	10/11/24 20:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/09/24 12:14	10/11/24 20:37	1
Ethylbenzene	ND		0.046	mg/Kg		10/09/24 12:14	10/11/24 20:37	1
Toluene	ND		0.046	mg/Kg		10/09/24 12:14	10/11/24 20:37	1
Xylenes, Total	ND		0.093	mg/Kg		10/09/24 12:14	10/11/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/09/24 12:14	10/11/24 20:37	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/09/24 17:18	10/10/24 12:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/09/24 17:18	10/10/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			10/09/24 17:18	10/10/24 12:37	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/11/24 08:40	10/11/24 09:41	20

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## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW23@10

Lab Sample ID: 885-13395-7

Date Collected: 10/02/24 14:23

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/09/24 12:14	10/11/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/09/24 12:14	10/11/24 20:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/09/24 12:14	10/11/24 20:59	1
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 20:59	1
Toluene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 20:59	1
Xylenes, Total	ND		0.094	mg/Kg		10/09/24 12:14	10/11/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/09/24 12:14	10/11/24 20:59	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		10/09/24 17:18	10/10/24 12:48	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		10/09/24 17:18	10/10/24 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/09/24 17:18	10/10/24 12:48	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/11/24 08:40	10/11/24 10:18	20

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## Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW24@10

Lab Sample ID: 885-13395-8

Date Collected: 10/02/24 15:15

Matrix: Solid

Date Received: 10/09/24 06:40

## Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	540		47	mg/Kg		10/09/24 12:14	10/14/24 11:01	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146		35 - 166			10/09/24 12:14	10/14/24 11:01	10

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.77		0.024	mg/Kg		10/09/24 12:14	10/11/24 21:20	1
Ethylbenzene	2.2		0.047	mg/Kg		10/09/24 12:14	10/11/24 21:20	1
Toluene	2.1		0.047	mg/Kg		10/09/24 12:14	10/11/24 21:20	1
Xylenes, Total	16		0.94	mg/Kg		10/09/24 12:14	10/14/24 11:01	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230		48 - 145			10/09/24 12:14	10/11/24 21:20	1

## Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		10/09/24 17:18	10/10/24 12:58	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/09/24 17:18	10/10/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/09/24 17:18	10/10/24 12:58	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		60	mg/Kg		10/11/24 08:40	10/11/24 10:30	20

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Client Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW24@15  
Date Collected: 10/02/24 15:20  
Date Received: 10/09/24 06:40

Lab Sample ID: 885-13395-9  
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics [C6 - C10]	ND		4.7	mg/Kg		10/09/24 12:14	10/11/24 21:42	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	119		35 - 166			10/09/24 12:14	10/11/24 21:42	1	
Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.024	mg/Kg		10/09/24 12:14	10/11/24 21:42	1	
Ethylbenzene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 21:42	1	
Toluene	ND		0.047	mg/Kg		10/09/24 12:14	10/11/24 21:42	1	
Xylenes, Total	ND		0.094	mg/Kg		10/09/24 12:14	10/11/24 21:42	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		48 - 145			10/09/24 12:14	10/11/24 21:42	1	
Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/09/24 17:18	10/10/24 13:09	1	
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/09/24 17:18	10/10/24 13:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	75		62 - 134			10/09/24 17:18	10/10/24 13:09	1	
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		60	mg/Kg		10/11/24 08:40	10/11/24 10:43	20	

## QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

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

Lab Sample ID: MB 885-13974/1-A

Matrix: Solid

Analysis Batch: 14199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13974

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		10/09/24 12:14	10/11/24 14:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			10/09/24 12:14	10/11/24 14:07	1

Lab Sample ID: LCS 885-13974/2-A

Matrix: Solid

Analysis Batch: 14199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics [C6 - C10]	25.0	27.1		mg/Kg		108	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	222		35 - 166					

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

Lab Sample ID: MB 885-13974/1-A

Matrix: Solid

Analysis Batch: 14201

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13974

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/09/24 12:14	10/11/24 14:07	1
Ethylbenzene	ND		0.050	mg/Kg		10/09/24 12:14	10/11/24 14:07	1
Toluene	ND		0.050	mg/Kg		10/09/24 12:14	10/11/24 14:07	1
Xylenes, Total	ND		0.10	mg/Kg		10/09/24 12:14	10/11/24 14:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/09/24 12:14	10/11/24 14:07	1

Lab Sample ID: LCS 885-13974/3-A

Matrix: Solid

Analysis Batch: 14201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13974

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.970		mg/Kg		97	70 - 130	
Ethylbenzene	1.00	0.966		mg/Kg		97	70 - 130	
Toluene	1.00	0.956		mg/Kg		96	70 - 130	
Xylenes, Total	3.00	2.85		mg/Kg		95	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	107		48 - 145					

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## QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

## Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-13998/1-A

Matrix: Solid

Analysis Batch: 14085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13998

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/09/24 15:03	10/10/24 15:45	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 15:03	10/10/24 15:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/09/24 15:03	10/10/24 15:45	1

Lab Sample ID: LCS 885-13998/2-A

Matrix: Solid

Analysis Batch: 14085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.9		mg/Kg		94	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	92		62 - 134				

Lab Sample ID: MB 885-14026/1-A

Matrix: Solid

Analysis Batch: 14051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14026

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/09/24 17:18	10/10/24 12:16	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/09/24 17:18	10/10/24 12:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			10/09/24 17:18	10/10/24 12:16	1

Lab Sample ID: LCS 885-14026/2-A

Matrix: Solid

Analysis Batch: 14051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	42.1		mg/Kg		84	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	86		62 - 134				

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-14068/1-A

Matrix: Solid

Analysis Batch: 14104

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14068

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/10/24 12:06	10/10/24 18:50	1

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QC Sample Results

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-14068/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 14104				Prep Batch: 14068						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			30.0	28.9		mg/Kg		96	90 - 110	

Lab Sample ID: MB 885-14111/1-A				Client Sample ID: Method Blank						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 14157				Prep Batch: 14111						
Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		3.0		mg/Kg		10/11/24 08:40	10/11/24 09:04	1	

Lab Sample ID: LCS 885-14111/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 14157				Prep Batch: 14111						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			30.0	28.8		mg/Kg		96	90 - 110	

## QC Association Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

## GC VOA

## Prep Batch: 13974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	5030C	
885-13395-2	MW21@10	Total/NA	Solid	5030C	
885-13395-3	MW21@15	Total/NA	Solid	5030C	
885-13395-4	MW22@10	Total/NA	Solid	5030C	
885-13395-5	MW22@15	Total/NA	Solid	5030C	
885-13395-6	MW23@5	Total/NA	Solid	5030C	
885-13395-7	MW23@10	Total/NA	Solid	5030C	
885-13395-8	MW24@10	Total/NA	Solid	5030C	
885-13395-9	MW24@15	Total/NA	Solid	5030C	
MB 885-13974/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13974/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13974/3-A	Lab Control Sample	Total/NA	Solid	5030C	

## Analysis Batch: 14199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	8015M/D	13974
885-13395-2	MW21@10	Total/NA	Solid	8015M/D	13974
885-13395-3	MW21@15	Total/NA	Solid	8015M/D	13974
885-13395-4	MW22@10	Total/NA	Solid	8015M/D	13974
885-13395-5	MW22@15	Total/NA	Solid	8015M/D	13974
885-13395-6	MW23@5	Total/NA	Solid	8015M/D	13974
885-13395-7	MW23@10	Total/NA	Solid	8015M/D	13974
885-13395-9	MW24@15	Total/NA	Solid	8015M/D	13974
MB 885-13974/1-A	Method Blank	Total/NA	Solid	8015M/D	13974
LCS 885-13974/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13974

## Analysis Batch: 14201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	8021B	13974
885-13395-2	MW21@10	Total/NA	Solid	8021B	13974
885-13395-3	MW21@15	Total/NA	Solid	8021B	13974
885-13395-4	MW22@10	Total/NA	Solid	8021B	13974
885-13395-5	MW22@15	Total/NA	Solid	8021B	13974
885-13395-6	MW23@5	Total/NA	Solid	8021B	13974
885-13395-7	MW23@10	Total/NA	Solid	8021B	13974
885-13395-8	MW24@10	Total/NA	Solid	8021B	13974
885-13395-9	MW24@15	Total/NA	Solid	8021B	13974
MB 885-13974/1-A	Method Blank	Total/NA	Solid	8021B	13974
LCS 885-13974/3-A	Lab Control Sample	Total/NA	Solid	8021B	13974

## Analysis Batch: 14292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-8	MW24@10	Total/NA	Solid	8015M/D	13974

## Analysis Batch: 14294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-8	MW24@10	Total/NA	Solid	8021B	13974

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QC Association Summary

Client: Harvest  
Project/Site: Dogle CS

Job ID: 885-13395-1

GC Semi VOA

Prep Batch: 13998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	SHAKE	
885-13395-2	MW21@10	Total/NA	Solid	SHAKE	
885-13395-3	MW21@15	Total/NA	Solid	SHAKE	
885-13395-4	MW22@10	Total/NA	Solid	SHAKE	
885-13395-5	MW22@15	Total/NA	Solid	SHAKE	
MB 885-13998/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13998/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 14026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-6	MW23@5	Total/NA	Solid	SHAKE	
885-13395-7	MW23@10	Total/NA	Solid	SHAKE	
885-13395-8	MW24@10	Total/NA	Solid	SHAKE	
885-13395-9	MW24@15	Total/NA	Solid	SHAKE	
MB 885-14026/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14026/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 14051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-6	MW23@5	Total/NA	Solid	8015M/D	14026
885-13395-7	MW23@10	Total/NA	Solid	8015M/D	14026
885-13395-8	MW24@10	Total/NA	Solid	8015M/D	14026
885-13395-9	MW24@15	Total/NA	Solid	8015M/D	14026
MB 885-14026/1-A	Method Blank	Total/NA	Solid	8015M/D	14026
LCS 885-14026/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14026

Analysis Batch: 14085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	8015M/D	13998
885-13395-2	MW21@10	Total/NA	Solid	8015M/D	13998
885-13395-3	MW21@15	Total/NA	Solid	8015M/D	13998
885-13395-4	MW22@10	Total/NA	Solid	8015M/D	13998
885-13395-5	MW22@15	Total/NA	Solid	8015M/D	13998
MB 885-13998/1-A	Method Blank	Total/NA	Solid	8015M/D	13998
LCS 885-13998/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13998

HPLC/IC

Prep Batch: 14068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	300_Prep	
885-13395-2	MW21@10	Total/NA	Solid	300_Prep	
885-13395-3	MW21@15	Total/NA	Solid	300_Prep	
885-13395-4	MW22@10	Total/NA	Solid	300_Prep	
885-13395-5	MW22@15	Total/NA	Solid	300_Prep	
MB 885-14068/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14068/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 14104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-1	MW21@5	Total/NA	Solid	300.0	14068

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## QC Association Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

## HPLC/IC (Continued)

## Analysis Batch: 14104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-2	MW21@10	Total/NA	Solid	300.0	14068
885-13395-3	MW21@15	Total/NA	Solid	300.0	14068
885-13395-4	MW22@10	Total/NA	Solid	300.0	14068
885-13395-5	MW22@15	Total/NA	Solid	300.0	14068
MB 885-14068/1-A	Method Blank	Total/NA	Solid	300.0	14068
LCS 885-14068/2-A	Lab Control Sample	Total/NA	Solid	300.0	14068

## Prep Batch: 14111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-6	MW23@5	Total/NA	Solid	300_Prep	
885-13395-7	MW23@10	Total/NA	Solid	300_Prep	
885-13395-8	MW24@10	Total/NA	Solid	300_Prep	
885-13395-9	MW24@15	Total/NA	Solid	300_Prep	
MB 885-14111/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14111/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

## Analysis Batch: 14157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13395-6	MW23@5	Total/NA	Solid	300.0	14111
885-13395-7	MW23@10	Total/NA	Solid	300.0	14111
885-13395-8	MW24@10	Total/NA	Solid	300.0	14111
885-13395-9	MW24@15	Total/NA	Solid	300.0	14111
MB 885-14111/1-A	Method Blank	Total/NA	Solid	300.0	14111
LCS 885-14111/2-A	Lab Control Sample	Total/NA	Solid	300.0	14111

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## Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

Client Sample ID: MW21@5

Lab Sample ID: 885-13395-1

Date Collected: 10/02/24 11:50

Matrix: Solid

Date Received: 10/09/24 06:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 18:27
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 18:27
Total/NA	Prep	SHAKE			13998	EM	EET ALB	10/09/24 15:36
Total/NA	Analysis	8015M/D		1	14085	EM	EET ALB	10/10/24 19:49
Total/NA	Prep	300_Prep			14068	EH	EET ALB	10/10/24 12:06
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 23:34

Client Sample ID: MW21@10

Lab Sample ID: 885-13395-2

Date Collected: 10/02/24 11:53

Matrix: Solid

Date Received: 10/09/24 06:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 18:48
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 18:48
Total/NA	Prep	SHAKE			13998	EM	EET ALB	10/09/24 15:36
Total/NA	Analysis	8015M/D		1	14085	EM	EET ALB	10/10/24 20:13
Total/NA	Prep	300_Prep			14068	EH	EET ALB	10/10/24 12:06
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 23:46

Client Sample ID: MW21@15

Lab Sample ID: 885-13395-3

Date Collected: 10/02/24 11:55

Matrix: Solid

Date Received: 10/09/24 06:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 19:10
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 19:10
Total/NA	Prep	SHAKE			13998	EM	EET ALB	10/09/24 15:36
Total/NA	Analysis	8015M/D		1	14085	EM	EET ALB	10/10/24 20:25
Total/NA	Prep	300_Prep			14068	EH	EET ALB	10/10/24 12:06
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/10/24 23:58

Client Sample ID: MW22@10

Lab Sample ID: 885-13395-4

Date Collected: 10/02/24 13:20

Matrix: Solid

Date Received: 10/09/24 06:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 19:53

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Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

**Client Sample ID: MW22@10**  
**Date Collected: 10/02/24 13:20**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-4**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 19:53
Total/NA	Prep	SHAKE			13998	EM	EET ALB	10/09/24 15:36
Total/NA	Analysis	8015M/D		1	14085	EM	EET ALB	10/10/24 20:37
Total/NA	Prep	300_Prep			14068	EH	EET ALB	10/10/24 12:06
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/11/24 00:35

**Client Sample ID: MW22@15**  
**Date Collected: 10/02/24 13:25**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-5**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 20:15
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 20:15
Total/NA	Prep	SHAKE			13998	EM	EET ALB	10/09/24 15:36
Total/NA	Analysis	8015M/D		1	14085	EM	EET ALB	10/10/24 20:49
Total/NA	Prep	300_Prep			14068	EH	EET ALB	10/10/24 12:06
Total/NA	Analysis	300.0		20	14104	MA	EET ALB	10/11/24 00:48

**Client Sample ID: MW23@5**  
**Date Collected: 10/02/24 14:20**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-6**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 20:37
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 20:37
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015M/D		1	14051	KR	EET ALB	10/10/24 12:37
Total/NA	Prep	300_Prep			14111	RC	EET ALB	10/11/24 08:40
Total/NA	Analysis	300.0		20	14157	RC	EET ALB	10/11/24 09:41

**Client Sample ID: MW23@10**  
**Date Collected: 10/02/24 14:23**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-7**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 20:59
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 20:59

Eurofins Albuquerque

Lab Chronicle

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

**Client Sample ID: MW23@10**  
**Date Collected: 10/02/24 14:23**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-7**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015M/D		1	14051	KR	EET ALB	10/10/24 12:48
Total/NA	Prep	300_Prep			14111	RC	EET ALB	10/11/24 08:40
Total/NA	Analysis	300.0		20	14157	RC	EET ALB	10/11/24 10:18

**Client Sample ID: MW24@10**  
**Date Collected: 10/02/24 15:15**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-8**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		10	14292	AT	EET ALB	10/14/24 11:01
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 21:20
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		10	14294	AT	EET ALB	10/14/24 11:01
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015M/D		1	14051	KR	EET ALB	10/10/24 12:58
Total/NA	Prep	300_Prep			14111	RC	EET ALB	10/11/24 08:40
Total/NA	Analysis	300.0		20	14157	RC	EET ALB	10/11/24 10:30

**Client Sample ID: MW24@15**  
**Date Collected: 10/02/24 15:20**  
**Date Received: 10/09/24 06:40**

**Lab Sample ID: 885-13395-9**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8015M/D		1	14199	AT	EET ALB	10/11/24 21:42
Total/NA	Prep	5030C			13974	AT	EET ALB	10/09/24 12:14
Total/NA	Analysis	8021B		1	14201	AT	EET ALB	10/11/24 21:42
Total/NA	Prep	SHAKE			14026	KR	EET ALB	10/09/24 17:18
Total/NA	Analysis	8015M/D		1	14051	KR	EET ALB	10/10/24 13:09
Total/NA	Prep	300_Prep			14111	RC	EET ALB	10/11/24 08:40
Total/NA	Analysis	300.0		20	14157	RC	EET ALB	10/11/24 10:43

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

Accreditation/Certification Summary

Client: Harvest  
Project/Site: Dogie CS

Job ID: 885-13395-1

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
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics [C6 - C10]
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25



Chain-of-Custody Record									
Client: <u>Harvest</u>		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Project Name: <u>Dogir CS</u>		Turn-Around Time:					
Mailing Address:		Project #:		Project Manager: <u>Eric Carroll</u>					
Phone #:		Sampler: <u>Reece Hanson</u>		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>Yes</u>					
email or Fax#: <u>lydeal@harveststandards.com</u>		Accreditation: <input type="checkbox"/> AZ Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other _____ <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		# of Coolers: <u>1</u>					
QA/QC Package:		Cooler Temp (including CF): <u>0.9 ± 0.1 = 1.0</u> (°C)							
		Container Type and #		Preservative Type		HEAL No.			
Date	Time	Matrix	Sample Name						
<u>10/2</u>	<u>11:50</u>	<u>90:1</u>	<u>MW21 e5</u>	<u>1,402</u>	<u>Caol</u>	<u>1</u>			
	<u>11:53</u>		<u>MW21 e10</u>			<u>2</u>			
	<u>11:55</u>		<u>MW21 e15</u>			<u>3</u>			
	<u>13:20</u>		<u>MW22 e10</u>			<u>4</u>			
	<u>13:25</u>		<u>MW22 e15</u>			<u>5</u>			
	<u>14:20</u>		<u>MW23 e5</u>			<u>6</u>			
	<u>14:23</u>		<u>MW23 e10</u>			<u>7</u>			
	<u>15:15</u>		<u>MW24 e10</u>			<u>8</u>			
	<u>15:20</u>	<u>↓</u>	<u>MW24 e15</u>			<u>9</u>			
Date:	Time:	Relinquished by: <u>[Signature]</u>		Received by: <u>[Signature]</u>		Date:		Time	
<u>10/6/24</u>	<u>1200</u>					<u>10/4/24</u>		<u>1200</u>	
Date:	Time:	Relinquished by: <u>[Signature]</u>		Received by: <u>[Signature]</u>		Date:		Time	
<u>10/6/24</u>	<u>1815</u>					<u>10/6/24</u>		<u>1640</u>	

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: 885-13395-1

Login Number: 13395

List Source: Eurofins Albuquerque

List Number: 1


Creator: Casarrubias, Tracy

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



## APPENDIX C

### Drilling Logs

				Client: <u>Harvest</u> Project Name: <u>Federal A2E Dodge</u> Project Location: Project Manager: <u>Stacy Hyatt Eric Lund</u>		BORING LOG NUMBER <u>B14/MW21</u> Project No.:		
Date Sampled: <u>1/3/2/24</u> Drilled By: <u>Enviro-Drill</u> Driller: <u>Rubey Besany</u> Logged By: <u>Reece Hansen</u>				Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:		Borehole Diameter: <u>6"</u> Casing Diameter: <u>2"</u> Well Materials: <u>PVC</u> Surface Completion: <u>Slickup</u> Boring Method: <u>HSA</u>		
DEPTH (FEET)	SAMPLE INTERVAL	RECOVERY (%)	Blow Count	FID/PID READING (PPM)	POTENTIAL METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
0								
1							SILT + CLAY ?	
2							w/ v. fine sand, silt	
3							+ clay - med. plasticity.	
4	X	40	1-1-1	6.2	moist		brown No S/O	
5	X							
6							SANDY SILT:	
7							silt w/ v. fine - fine,	
8							poorly graded sand, some	
9	X	20	1-2-2	1.6	Apex		clays - brown No S/O	
10	X				GW		bottom of interval = SAND	
11							wet sand fine - med	
12							No S/O	
13								10' Apex
14	X	60	1-1		GW		SILTY SAND - grading	
15			Br	4.3			downwards to SILTY	
16			15"				CLAY to CLAY	
17							Top 6" of interval SAA	
18							Silty sand - wet,	
19							transitions to silty	
20							clay brown streaked	
21							w/ gray → fat brown/	
22							gray clay high plasticity	
23							at bottom	
24								
25								

Bentonite  
to surface10' Apex  
GW




ENSOLUM				Client: Harvest Project Name: Federal AE Dose Project Location: Project Manager: Stuart Hyde ECLand		BORING LOG NUMBER BH/MW 22 Project No.:		
Date Sampled: 10/2/24 Drilled By: Envisio-Drill Driller: Rodney Begay Logged By: Renee Hansen				Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:		Borehole Diameter: 6" Casing Diameter: 2" Well Materials: PVC Surface Completion: PVC stick up Boring Method: 1+SA		
DEPTH (FEET)	SAMPLE INTERVAL	RECOVERY (%)	Blow Count	FID/PID READING (PPM)	POTENTIAL METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
0							SAND w/ minor SILT:	
1							mostly well graded v. fine	
2							to med. w/ rare coarse	
3							sand + some silt.	
4	X	60	2-3-2	0.7	Dry		tan to brown N, S/O	
5								
6								
7							Interbedded SAND, SILT	
8							+ CLAY. fines	
9	X	75	2 for 18"	0.9	Approx GW		downward: fine - med	
10							sand, well graded mixed	
11							w/ silt + some clay	
12							grading down to high	
13							plasticity clay w/	
14	X	80	2 for 18"	0.4	GW		some sand grains	
15							brown to - gray	
16							in clay @ GW	
17							CLAY @ top of interval	
18							grading to SAND (wet)	
19							@ bottom	
20							Clay = SAA	
21							sand = gray fine med.	
22							graded poor - med	
23							graded - gray to S/O	
24								
25								

note  
APR

5

23



				Client: <i>Harvest</i> Project Name: <i>Federal A2E Degree CS</i> Project Location: Project Manager: <i>Stuart Hyde Eric Conrad</i>			BORING LOG NUMBER <i>BH RM W23</i> Project No.:	
Date Sampled: <i>10/2/24</i> Drilled By: <i>Erwin - Dr. H</i> Driller: <i>Rodney Beasley</i> Logged By: <i>RH</i>				Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:			Borehole Diameter: <i>6"</i> Casing Diameter: <i>2"</i> Well Materials: <i>PVC</i> Surface Completion: <i>PVC stringer</i> Boring Method: <i>1754</i>	
DEPTH (FEET)	SAMPLE INTERVAL	RECOVERY (%)	Blow Count	FID/PID READING (PPM)	POTENTIAL METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
0							SAND. upper 4"	
1							SAND w/ SILT	
2							Fine to med grained tan	
3							to gray, poorly graded	
4		50	2-23	1.1	mo. st		Some FeO <sub>2</sub> orange	
5							inclusions No S/O	
6								
7								
8								
9		5	2 for 15"	0.1	wet GW		poor recovery, collect	
10							cuttings from auger	
11							SAND: black/gray	
12							stained, appears to be	
13							due to organic/bio	
14							influence, not HC	
15							"organic" smell	
16							fine-med. grained	
17							wet - saturated	
18								
19							TD @ 10'	
20							measure GW w/	
21							probe @ ~ 6.5'	
22							set 5' screen	
23							from 10-5'	
24							sand to 3'	
25								



ENSOLUM				Client: <u>Harvest</u> Project Name: <u>Federal A25</u> Project Location: Project Manager: <u>Stuart Hyde</u> <u>Earle Crowl</u>		BORING LOG NUMBER <u>BH MW 24</u> Project No.:		
Date Sampled: <u>10/2/24</u> Drilled By: <u>Envis-Drill</u> Driller: <u>Rodney Bessy</u> Logged By: <u>RH</u>				Ground Surface Elevation: Top of Casing Elevation: North Coordinate: West Coordinate:		Borehole Diameter: <u>6"</u> Casing Diameter: <u>2"</u> Well Materials: <u>PVC</u> Surface Completion: <u>pressure</u> Boring Method: <u>1 1/2"</u>		
DEPTH (FEET)	SAMPLE INTERVAL	RECOVERY (%)	Blow Count	FID/PID READING (PPM)	POTENTIAL METRIC SURFACE	GEOLOGIC LOG SYMBOL	GEOLOGIC DESCRIPTION	BORING/WELL COMPLETION
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 446537

CONDITIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 446537
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	11/21/2025
amaxwell	Submit 2025 Annual Groundwater Monitoring report to OCD by April 1, 2026.	11/21/2025