505 E. Huntland Dr., Suite 250
Austin, TX 78752
t 512.329.6080

April 1, 2025

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

Re: Site Status Report for 2024
HF Sinclair, North Monument 6-Inch Gathering Line AP# 34,
Monument, New Mexico

Dear Mr. Buchanan:

On behalf of HF Sinclair (HFS), TRC Environmental Corporation (TRC) is pleased to submit the *Site Status Report for 2024* (Report) in reference to the HFS North Monument Release Site near Monument, New Mexico (Site). This Report documents 2024 response actions and groundwater monitoring conducted at the Site. The Report was prepared in general accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012.

If you should have any questions or comments regarding the Report for 2024, please feel free to contact Mike Holder of HFS at (575) 308-1115 or Bryan Gilbert of TRC at (925) 699-6184.

Sincerely,

Bryan Gilbert, P.G.
Austin Office ECW Practice Leader

Attachment:
Site Status Report for 2024

cc: Mike Holder, HF Sinclair, Dallas, Texas
Teal Glass, TRC, Austin, Texas

Site Status Report for 2024

Site Status Report for 2024

April 2025

HF Sinclair Corporation

North Monument Release Site

6-Inch Gathering Line AP #34

Prepared For:

Mr. Mike Holder, Environmental Specialist

HF Sinclair Corporation

2323 Victory Ave., Suite 1400

Dallas, Texas 75219

Site Status Report for 2024

North Monument Release Site
Monument, New Mexico

Prepared for:

HF Sinclair Corporation
Artesia, New Mexico

Prepared by:

TRC Environmental Corporation
Austin, Texas

TRC Project No. 645218

April 2025

Project Manager		**Site Lead**	
Teal Glass		**Bryan Gilbert**	

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ACRONYMS AND ABBREVIATIONS

Notation	Description
AP	Abatement Plan
bbl	barrel
BTEX	benzene, toluene, ethylbenzene, and total xylenes
COC	constituent of concern
DRO	diesel range organics
EFR	enhanced fluid recovery
bgs	below ground surface
GRO	gasoline range organics
HEP	Holly Energy Partners
HFS	HF Sinclair
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
NM	New Mexico
NMAC	New Mexico Administrative Code
NMOCD	New Mexico Oil Conservation Division
PAHs	polycyclic aromatic hydrocarbons
QA/QC	quality assurance/quality control
RLs	reporting limits
ROW	right-of-way
SLO	State Land Office
TPH	total petroleum hydrocarbons
TRC	TRC Environmental Corporation
WQCC	Water Quality Control Commission

1.0 Introduction

On behalf of HF Sinclair Corporation (HFS), TRC Environmental Corporation (TRC) is submitting this *Site Status Report for 2024* to summarize the results of routine groundwater monitoring and light non-aqueous phase liquid (LNAPL) recovery activities conducted from January 1, 2024, to December 31, 2024, at the North Monument Release Site (Site), 6-inch Gathering Line AP #34 located in Lea County, New Mexico. A site location map is provided as Figure 1.

The original release occurred in 2002 due to leaks from a pipeline owned by HFS and operated by Holly Energy Partners (HEP). HFS submitted the C141 report in October 2002. The Stage 1 Abatement Plan (AP) was enacted in April 2004. The Stage 2 AP was tendered in October 2012 with status reports submitted annually from 2012 to 2023. Remedial activities currently consist of enhanced fluid recovery (EFR) and groundwater monitoring. HFS previously retained GHD to perform assessment activities in accordance with 19.15.29 New Mexico Administrative Code (NMAC).

A *Request for Modifications to Stage 2 Abatement Plan* was submitted to the New Mexico Oil Conversation Division (NMOCD) on January 23, 2024, which requested a reduction in the EFR schedule from monthly to quarterly beginning in 2024 and a reduction in the groundwater monitoring from quarterly to semi-annually beginning in 2025. The January 2024 request was approved by NMOCD on January 7, 2025; however, these modification requests were also approved in the July 8, 2024, NMOCD response letter regarding the *Site Status Report for 2023*.

1.1 Site Background

On October 5, 2002, a 2,100 barrel (bbl) inventory discrepancy prompted suspicion of a leak at a 6-inch gathering line. Although the line was newly installed in 2000, acidized crude oil found in the line may have been a factor in the release. In 2002, approximately seven leaks were identified, and 600 feet of damaged pipeline located both east and west of Maddox Road were removed. New pipe was installed approximately 150 feet south of the leak area to allow for remedial activities. An approximate 300 by 700-foot area to a depth of 15 feet was excavated.

1.2 Site Setting

The North Monument 6-inch Gathering Line Release is approximately two miles northwest of Monument, New Mexico. The Site is located at the NW ¼ of the SW ¼ of Section 30, Township 19 South, Range 37 East with coordinates at 32° 37’ 50.2” North, 103° 17’ 52.8” West (see Figure 1). The release occurred at HFS’s right-of-way (ROW) pipeline approximately 0.5 miles north of New Mexico (NM) 322/County Road 42 and adjacent to Maddox Road/County Road 41. Site topography has minimal elevation change and maintains 3,637 feet above mean sea level. Oil and gas production wells and open rangeland surround the Site.

1.3 Summary of Previous Investigations and Remediation

Seven groundwater monitoring wells and 164 temporary borehole wells were installed or advanced between 2002 and 2011 in the assessment area and 102 of the temporary wells were completed as permanent borehole wells. As of 2024, 37 remaining borehole wells are used to measure and recover LNAPL.

Site impacts were limited to the hydrocarbons in soil and groundwater at the pipeline release location. The 2004 excavation depth to approximately 15 feet below ground surface (bgs) on the east side of Maddox Road and adjacent to the north side of the removed pipeline recovered most of the petroleum-stained soil. Hydrocarbon-saturated soils were noted at the bottom of the excavation; however, the excavation was backfilled due to safety concerns. A limited amount of soil was removed from the south side of the pipeline release due to the monitoring and borehole wells in the area. Soil borings near the release area detected constituents of concern (COCs) in soil above action levels stated under 19.15.29 NMAC.

Five monitoring wells were initially installed following the LNAPL release. LNAPL was measured in two of the monitoring wells (MW-2 and MW-4) prompting well abandonment in 2002. In 2008, two additional monitoring wells (MW-6 and MW-7) were installed. MW-3 had benzene detected above the New Mexico Water Quality Control Commission (WQCC) standards from 2004 to 2006. MW-5 had benzene detected above the WQCC standard in 2004 only. MW-6 had benzene detected above the WQCC standard in 2010 and 2014. MW-1, located upgradient of the release, did not have soil staining or elevated COCs in the soil and groundwater. None of the five monitoring wells have detected benzene, toluene, ethylbenzene, or total xylenes (BTEX) above WQCC standards since June 2017. Polycyclic aromatic hydrocarbons (PAHs), when historically analyzed, were not detected above state standards in any of the five monitoring wells according to GHD's *Site Status Report for 2020* submitted on March 22, 2023.

In February 2013, 14 4-inch recovery wells were installed to recover LNAPL in the release area. It is estimated that 1,179 bbls of LNAPL were recovered from Site wells using manually-controlled pumps from 2004 to 2011 and a LNAPL-only skimmer pump recovery system from 2013 to 2015. Use of the recovery system was ended after the pumps were damaged from the acidified crude oil. After March 2015, LNAPL has been recovered using a vacuum truck and oil absorbent socks. Actual LNAPL recovery volumes are estimated to be less than 50 gallons per EFR event. It is estimated that 1,583 bbls of LNAPL have been removed from 2010 to 2023 using manual pumps and/or vacuum trucks (i.e., EFR). In 2015, 52 wells which lacked groundwater or LNAPL were abandoned.

Analytical and fluid level results through 2022 were previously documented with the NMOCD via Site Status Reports submitted by GHD; the Site Status Report for 2023 was submitted to NMCOD by TRC on March 29, 2024, and was approved by the NMOCD on July 8, 2024.

1.4 Site Conceptual Model

The Site is located within the pipeline ROW associated with oil production and on New Mexico State land. No surface water bodies are located within 1,000 feet of the Site. The Site is about two miles northwest of Monument, New Mexico and contains multiple well pads and LNAPL gathering lines. The closest residences are approximately 0.8 miles southeast of the Site and there are six water supply wells located within one-mile of the Site as stated in the October 2012 Stage 2 AP. One windmill used for livestock is located approximately 1,500 feet to the east and downgradient of the Site and was determined not to be impacted by the 2002 release based on the results of historical investigation and groundwater monitoring events and the delineation of the LNAPL and dissolved phase COC plumes in all directions at the Site, including in wells MW-6 and MW-7 located on the eastern periphery of the well network (i.e., in the direction of the windmill).

Soil beneath the Site consists of caliche (i.e., carbonate indurated rock), fine-grained sand, gravelly sand, and sandstone. Site groundwater is present at a depth of 14 to 22 feet bgs and generally flows to the east. LNAPL has not been detected in groundwater monitoring wells downgradient (i.e., east) of the 2002 release location.

LNAPL associated with the 2002 release appears localized to the immediate vicinity of the 6-inch gathering line. Abatement has been conducted since 2004. The total accumulated thickness of LNAPL (i.e., the sum of apparent LNAPL thicknesses in all Site wells) has decreased by approximately 39.8 feet between 2012 and 2024, which has been supported by EFR via vacuum truck since 2021. Since 2017, the dissolved phase COC concentrations in groundwater at Site monitoring wells have been below the WQCC standards for BTEX.

LNAPL and dissolved phase COCs in groundwater do not pose a risk to the environment or drinking water wells in the area because the LNAPL and dissolved phase COC plumes are delineated, stable, and are not migrating as indicated by stable to decreasing LNAPL thicknesses and stable COC concentrations in Site wells. Site closure will be requested when measurable LNAPL is negligible in Site wells. There are no COC detections above WQCC standards in the monitoring wells.

2.0 2024 Site Activities

The 2024 Site activities consisted of quarterly groundwater monitoring and EFR conducted via vacuum truck from January to June (monthly) and in September and November (quarterly). EFR was conducted quarterly after receiving approval from NMOCD in July 2024 of this modification request. The objectives of the Site activities are to monitor the LNAPL and COC plumes in groundwater and evaluate the effectiveness of EFR recovery activities. The 2-day field work notifications submitted to the NM State Land Office (SLO) and NMOCD starting in June are included in Appendix A. The 2024 Site activities are further discussed below.

2.1 Groundwater Monitoring Program

Site groundwater monitoring occurred during February, May, September, and November 2024. Groundwater monitoring activities consisted of (1) gauging all existing monitoring wells, recovery wells, and borehole wells and (2) collecting groundwater samples for laboratory analysis from monitoring wells. The locations of the monitoring wells, recovery wells, and borehole wells are presented on Figure 2.

Depth to LNAPL and depth to water measurements were collected using an oil/water interface probe. Groundwater samples were collected from monitoring wells MW-1, MW-3, MW-5, MW-6, and MW-7 for analysis of select COCs via low-flow sampling methodology. An electric, submersible, variable-rate pump and clean discharge tubing were slowly lowered into each well to prevent turbulence and mixing of any sediment from the bottom of the well. The pump was placed in the approximate center of the saturated screened interval and groundwater was purged at a low rate to minimize groundwater level drawdown in the well. Discharge tubing was connected to a flow-through cell which housed a multi-parameter water quality meter. Groundwater quality parameters were measured approximately every three to five minutes during purging until at least three of the six recorded field parameters (pH, temperature, conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) were stable. Monitoring well depth to groundwater and pump flow rate were also monitored during purging.

The flow-through cell was disconnected, and a groundwater sample was collected from the discharge line of the pump once field parameters were stable. Samples were collected in clean, labeled, laboratory-supplied containers. All samples were handled with new nitrile gloves and labeled with the sample identification, collection date and time, sample analysis, preservatives, and initials of the samplers. The samples were then placed on ice in a laboratory-supplied cooler which remained in the custody of the sampling personnel until shipped under chain of custody to DHL Analytical of Round Rock, Texas. All non-dedicated equipment was decontaminated prior to being used at the Site and after use at each well.

2.2 Groundwater Monitoring Results

2.2.1 Gauging Data

Fluid level measurements were taken at monitoring wells and borehole wells during the quarterly monitoring events to determine the groundwater elevation, flow direction and gradient, the presence or absence of LNAPL, and apparent LNAPL thickness.

Site-wide fluid level gauging was performed during the quarterly groundwater monitoring events on February 12, 2024, May 1, 2024, September 9, 2024, and November 18 and 20, 2024. LNAPL was detected in 30 of the 37 wells gauged at apparent LNAPL thicknesses ranging from 0.01 feet to 1.65 feet (BH-66) during the February 2024 event; 31 of the 37 wells gauged at apparent LNAPL thicknesses ranging from 0.01 feet to 1.73 feet (BH-103) during the May 2024 event, 30 of the 37 wells gauged at apparent LNAPL thickness ranging from 0.04 feet to 1.81 feet (BH-103) during the September 2024 event; and 29 of the 37 wells gauged at apparent LNAPL thicknesses ranging from 0.01 feet to 1.65 feet (BH-111) during the November 2024 event. A summary of fluid level measurement data is presented in Table 1. The February, May, September, and November 2024 LNAPL thickness maps are depicted on Figures 3, 4, 5, and 6, respectively.

Appendix B includes graphs of apparent LNAPL thicknesses and depth to groundwater over time for select borehole and recovery wells with relatively large apparent LNAPL thicknesses compared to other wells at the Site, including wells BH-17, BH-39, BH-66, BH-103, BH-111, and WBH-20. As shown, apparent LNAPL thicknesses at these wells have been overall stable to decreasing with fluctuations since 2012. As shown on Figure 11, the total accumulated thickness of LNAPL decreased by approximately 39.8 feet between 2012 and 2024, and is stable to decreasing (i.e., asymptotic) with fluctuations. Graphs for BH-17, BH-39, BH-66, BH-103, BH-111, and WBH-20 showing LNAPL thicknesses over time are in Appendix B.

Groundwater flow was generally to the east at a hydraulic gradient of 0.005 feet per foot in February, May, September, and November 2024; this is generally consistent with previous monitoring events conducted at the Site. Between the previous monitoring event in October 2023 and February 2024, groundwater elevations in the monitoring wells decreased by an average of 1.09 feet. Between February 2024 and May 2024, groundwater elevations decreased by an average of 0.39 feet. Between May 2024 and September 2024, groundwater elevations decreased by an average of 0.28 feet. Between September 2024 and November 2024, groundwater elevations increased by an average of 0.36 feet. The graph in Appendix C shows decreasing groundwater elevations over time at each monitoring well. The February, May, September, and November 2024 groundwater potentiometric surface maps are depicted on Figures 7, 8, 9, and 10, respectively.

As shown on Figure 11, the total accumulated thickness of LNAPL overall increased during 2024, but this increase is correlated with decreasing water levels over the same timeframe. As discussed above, apparent LNAPL thicknesses at Site wells have been overall stable to decreasing with fluctuations since 2012. Regardless, select borehole wells with short term increases associated with these fluctuations (e.g., BH-17, BH-103, and BH-111) will be watched closely during 2025 and will be targeted during EFR activities.

2.2.2 Groundwater Analytical Results

Groundwater samples were analyzed for BTEX by EPA Method 8260D and total petroleum hydrocarbons (TPH) diesel range organics (DRO) and TPH gasoline range organics (GRO) by Method 8015.

During all four events, BTEX was not detected above the WQCC standards. New Mexico has not established WQCC standards for TPH DRO or TPH GRO. All 2024 BTEX and TPH results were not detected above their reporting limits (RLs) with the exception of TPH GRO in well MW-6 during February (0.336 milligrams per liter [mg/L]), May (0.299 mg/L), September (0.232 mg/L), and November 2024 (0.218 mg/L); and TPH DRO in well MW-6 during February (0.322 mg/L), May (0.253 mg/L), and September (0.207 J mg/L [duplicate sample]). The 2024 detected concentrations of TPH GRO and TPH DRO in MW-6 are consistent with historical results.

A summary of groundwater sample analytical data is presented in Table 2. Copies of the laboratory analytical reports are included in Appendix D. A figure is not provided for 2024 analytical results as no COCs exceeded their respective WQCC Groundwater Standards.

2.2.3 Quality Assurance/Quality Control Results (QA/QC)

Data were reviewed to ensure that reported analytical results met standard data quality objectives and laboratory-specified control limits. Data were reviewed with respect to analytical holding times, sample preservation, blanks (method and trip), laboratory control sample recoveries, matrix spike/matrix spike duplicate recoveries, and surrogate recoveries. The QA/QC evaluation of the analytical results indicates the data are reliable and defensible. The Data Review Checklists are provided in Appendix D.

2.3 Enhanced Fluid Recovery of LNAPL

During quarterly groundwater monitoring events, an oil/water interface probe was used to determine the apparent LNAPL thickness in Site borehole and recovery wells. If the apparent LNAPL thickness was less than 0.25 feet, the well did not undergo EFR during the subsequent monthly/quarterly EFR events. If the apparent LNAPL thickness was greater than 0.25 feet, EFR was performed at the well during subsequent monthly/quarterly EFR events. All borehole and

recovery wells were reevaluated for EFR based on the apparent LNAPL thickness measured during the next monthly/quarterly groundwater monitoring event.

EFR was performed at select borehole and recovery wells using a vacuum truck to remove LNAPL and groundwater. LNAPL and groundwater were recovered until the fluid in the down-well "stinger tube" was colorless or until mostly air was being removed. Between January and December 2024, EFR was performed on 10 to 19 borehole and recovery wells per event. It is estimated that approximately 20 gallons of liquids (LNAPL and groundwater) were recovered per well per EFR event during 2024 for a total liquid recovery of approximately 2,340 gallons. Actual LNAPL recovery volumes are unknown but are estimated to be less than 10 percent of the total liquid recovered. Thus, it is estimated that a total of approximately 234 gallons of LNAPL were recovered from the Site using EFR in 2024. Therefore, it is estimated that 1,817 bbls of LNAPL have been removed from 2010 to 2024 using manual pumps and/or vacuum trucks (i.e., EFR).

2.4 Investigation-Derived Waste Management

The water investigation-derived waste (IDW) generated during the 2024 monitoring activities, including purge and decontamination water, were temporarily contained, and recovered using the vacuum truck after each monthly/quarterly event and properly recycled off-Site by M Mata Trucking. Field supplies (paper towels, gloves, tubing, etc.) used during field activities were stored in trash bags and buckets at the Site for later disposal.

3.0 Remediation Status

LNAPL was recovered using a skimmer pump system from 2013 to 2015 but was discontinued due to acidified oil damage. Oil absorbent socks have been used sporadically in wells with less than 0.25 feet of apparent LNAPL (no absorbent socks were used during 2024). Following deactivation of the skimmer pump system in 2015, EFR was conducted on a monthly basis until June 2024 and then quarterly from July to December 2024, at wells with more than 0.25 feet of apparent LNAPL.

As shown on Figure 11, the total accumulated thickness of LNAPL decreased by approximately 39.8 feet between 2012 and 2024, and is stable to decreasing (i.e., asymptotic) with fluctuations. The maximum thickness during 2024 was in well BH-103 with a maximum thickness of 1.81 feet (September 2024).

As discussed above, it is estimated that a total of approximately 234 gallons of LNAPL was recovered from the Site using EFR in 2024. Since 2010, a total of approximately 1,817 bbls of LNAPL has been recovered using manual pumps and/or vacuum trucks (i.e., EFR).

4.0 Conclusions and Recommendations

The following conclusions are based on groundwater monitoring results and EFR conducted during 2024:

- During the February, May, September, and November quarterly monitoring events, groundwater flow was to the east. This is generally consistent with previous monitoring events conducted at the Site.
- LNAPL was detected in 30 of the 37 wells during the February and September 2024 events, 31 of the 37 wells during the May 2024 event, and 29 of the 37 wells during the November 2024 event. LNAPL thicknesses have overall been declining with fluctuations since 2012. The total accumulated thickness of LNAPL overall increased during 2024, but this increase is correlated with decreasing water levels over the same timeframe. The remaining LNAPL plume is stable to decreasing and delineated.
- Approximately 2,340 gallons of liquid, including 234 gallons of LNAPL, were removed using monthly EFR in 2024. An estimated 1,817 bbls of LNAPL have been removed from 2010 to 2024 using manual pumps and/or vacuum trucks (i.e., EFR).
- Consistent with historical results, BTEX is not present in Site monitoring wells above RLs, and RLs are below WQCC groundwater standards, thus providing delineation of groundwater COCs at the Site. Only TPH GRO and TPH DRO were detected above RLs in well MW-6.
- Overall, the 2024 groundwater monitoring data supports previous conclusions that the remaining LNAPL is confined to the immediate 2002 release area and has not migrated from the Site. Remaining LNAPL and dissolved phase COCs in groundwater do not pose a risk to the environment or drinking water wells in the area.

Semi-annual groundwater monitoring and quarterly EFR will continue at the Site during 2025, due to the approval of the January 2024 *Request for Modifications to Stage 2 Abatement Plan*, which requested a reduction in the EFR schedule from monthly to quarterly beginning in 2024 and a reduction in the groundwater monitoring from quarterly to semi-annually beginning in 2025. Select borehole wells with short term increases in apparent LNAPL thicknesses associated with water level fluctuations (e.g., BH-17, BH-103, and BH-111) during 2024 will be watched closely during 2025 and will be targeted during EFR activities. If warranted based on Site conditions (apparent LNAPL thickness and extent), additional EFR events may be conducted during 2025.

NMOCD requires the Site to have LNAPL removed to a negligible amount to protect groundwater. The next *Site Status Report* summarizing 2025 semi-annual groundwater

monitoring activities and quarterly EFR will be submitted to the NMOCD by April 1, 2026. Additional LNAPL transmissivity testing in will be completed in 2026.

TABLES

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
WBH-11	Unknown	7/26/2012	24.41	25.03	0.62	--	--	30.28
		12/20/2012	24.40	25.69	1.29	0.67	--	--
		6/19/2013	24.29	26.36	2.07	0.78	--	--
		12/12/2013	23.47	25.27	1.80	-0.27	--	--
		6/26/2014	23.32	24.87	1.55	-0.25	--	--
		12/18/2014	23.43	24.35	0.92	-0.63	--	--
		3/18/2015	24.10	25.04	0.94	0.02	--	--
		6/8/2015	23.83	24.50	0.67	-0.27	--	--
		9/15/2015	24.40	24.54	0.14	-0.53	--	--
		12/16/2015	--	24.29	--	-0.14	--	--
		6/6/2016	24.60	24.98	0.38	0.38	--	--
		9/25/2016	22.80	22.84	0.04	-0.34	--	--
		10/28/2016	22.79	22.84	0.05	0.01	--	--
		12/11/2016	--	24.05	--	-0.05	--	--
		1/21/2017	--	24.25	--	0.00	--	--
		2/19/2017	24.38	24.40	0.02	0.02	--	--
		3/14/2017	--	25.40	--	-0.02	--	--
		4/20/2017	24.50	24.60	0.10	0.10	--	--
		6/6/2017	24.55	24.57	0.02	-0.08	--	--
		9/19/2017	23.68	23.72	0.04	0.02	--	--
		12/6/2017	24.32	24.42	0.10	0.06	--	--
		1/24/2018	24.68	24.75	0.07	-0.03	--	--
		2/21/2018	--	24.55	--	-0.07	--	--
		3/15/2018	--	22.58	--	0.00	--	--
		6/6/2018	--	24.70	--	0.00	--	--
		7/17/2018	24.90	24.93	0.03	0.03	--	--
		9/24/2018	Trace	24.18	--	-0.03	--	--
		10/10/2018	Trace	24.35	--	0.00	--	--
		12/11/2018	--	24.20	--	0.00	--	--
		3/13/2019	--	24.68	--	0.00	--	--
		6/26/2019	--	24.95	--	0.00	--	--
		9/21/2019	--	25.04	--	0.00	--	--
		12/3/2019	--	24.70	--	0.00	--	--
		3/12/2020	--	22.23	--	0.00	--	--
		5/20/2020	--	24.80	--	0.00	--	--
		6/18/2020	--	25.06	--	0.00	--	--
		8/13/2020	--	25.78	--	0.00	--	--
		9/15/2020	--	25.40	--	0.00	--	--
		12/2/2020	--	24.93	--	0.00	--	--
		3/24/2021	--	25.70	--	0.00	--	--
		6/8/2021	--	25.82	--	0.00	--	--
		8/5/2021	--	22.98	--	0.00	--	--
		9/21/2021	--	24.45	--	0.00	--	--
		12/2/2021	--	23.23	--	0.00	--	--
		3/23/2022	--	23.76	--	0.00	--	--
		6/1/2022	--	24.01	--	0.00	--	--
		9/28/2022	--	25.91	--	0.00	--	--
		12/7/2022	--	26.03	--	0.00	--	--
		2/23/2023	--	26.03	--	0.00	--	30.39
		8/14/2023	--	26.50	--	0.00	--	30.41
		10/18/2023	--	25.36	--	0.00	--	--
		2/12/2024	26.17	26.19	0.02	0.02	--	--
		5/1/2024	26.48	26.49	0.01	-0.01	--	--
		9/9/2024	26.88	26.94	0.06	0.05	--	--
		11/18/2024	26.54	26.55	0.01	-0.05	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
WBH-13	Unknown	7/26/2012	24.99	25.05	0.06	--	--	30.32
		12/20/2012	25.04	25.12	0.08	0.02	--	--
		6/19/2013	25.16	25.20	0.04	-0.04	--	--
		12/12/2013	24.16	24.36	0.20	0.16	--	--
		6/26/2014	23.95	24.32	0.37	0.17	--	--
		12/18/2014	23.98	24.22	0.24	-0.13	--	--
		3/18/2015	24.67	25.05	0.38	0.14	--	--
		6/8/2015	24.37	24.48	0.11	-0.27	--	--
		9/15/2015	--	24.90	--	-0.11	--	--
		12/6/2015	--	24.75	--	0.00	--	--
		6/6/2016	25.08	25.24	0.16	0.16	--	--
		9/25/2016	23.15	23.38	0.23	0.07	--	--
		12/11/2016	24.45	24.90	0.45	0.22	--	--
		1/21/2017	24.60	25.07	0.47	0.02	--	--
		2/19/2017	24.77	25.37	0.60	0.13	--	--
		3/14/2017	24.80	25.30	0.50	-0.10	--	--
		4/20/2017	24.90	25.75	0.85	0.35	--	--
		6/6/2017	24.80	25.48	0.68	-0.17	--	--
		9/19/2017	24.02	24.30	0.28	-0.40	--	--
		12/6/2017	23.63	24.20	0.57	0.29	--	--
		1/24/2018	24.69	26.29	1.60	1.03	--	--
		2/21/2018	22.75	23.40	0.65	-0.95	--	--
		3/15/2018	24.67	26.55	1.88	1.23	--	--
		6/6/2018	24.68	26.88	2.20	0.32	--	--
		7/17/2018	25.00	27.70	2.70	0.50	--	--
		9/24/2018	24.40	25.78	1.38	-1.32	--	--
		10/10/2018	24.66	25.80	1.14	-0.24	--	--
		12/11/2018	24.55	25.75	1.20	0.06	--	--
		1/23/2019	24.76	26.60	1.84	0.64	--	--
		3/13/2019	24.65	27.35	2.70	0.86	--	--
		6/26/2019	25.08	27.17	2.09	-0.61	--	--
		9/21/2019	25.15	27.22	2.07	-0.02	--	--
		12/3/2019	24.87	26.80	1.93	-0.14	--	--
		3/12/2020	24.50	25.83	1.33	-0.60	--	--
		5/20/2020	24.90	26.93	2.03	0.70	--	--
		6/18/2020	25.10	27.35	2.25	0.22	--	--
		8/13/2020	24.48	25.83	1.35	-0.90	--	--
		9/15/2020	25.48	27.70	2.22	0.87	--	--
		11/12/2020	25.68	27.62	1.94	-0.28	--	--
		12/2/2020	24.63	26.25	1.62	-0.32	--	--
		3/24/2021	25.90	27.70	1.80	0.18	--	--
		6/8/2021	25.90	28.46	2.56	0.76	--	--
		8/5/2021	25.23	26.58	1.35	-1.21	--	--
		9/21/2021	22.85	23.30	0.45	-0.90	--	--
		12/2/2021	25.48	26.52	1.04	0.59	--	--
		3/23/2022	26.05	26.80	0.75	-0.29	--	--
		6/1/2022	26.33	26.85	0.52	-0.23	--	--
		9/28/2022	26.28	27.06	0.78	0.26	--	--
		12/7/2022	26.25	26.95	0.70	-0.08	--	--
		2/23/2023	26.41	27.12	0.71	0.01	--	30.34
		8/14/2023	26.88	27.59	0.71	0.00	--	--
		10/18/2023	25.69	26.06	0.37	-0.34	--	--
		2/12/2024	26.59	27.03	0.44	0.07	--	--
		5/1/2024	26.88	27.42	0.54	0.10	--	--
		9/9/2024	27.24	27.91	0.67	0.13	--	--
		11/18/2024	26.93	27.31	0.38	-0.29	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
WBH-20	Unknown	7/26/2012	23.71	24.79	1.08	--	--	30.31
		12/20/2012	23.81	24.92	1.11	0.03	--	--
		6/19/2013	23.75	25.11	1.36	0.25	--	--
		12/12/2013	22.95	24.10	1.15	-1.00	--	--
		6/26/2014	22.76	23.76	1.00	0.64	--	--
		12/18/2014	22.81	23.80	0.99	-0.01	--	--
		3/18/2015	23.47	24.55	1.08	0.09	--	--
		6/8/2015	23.22	23.95	0.73	-0.35	--	--
		9/15/2015	23.78	24.02	0.24	-0.49	--	--
		12/16/2015	23.65	23.82	0.17	-0.07	--	--
		6/6/2016	23.89	25.04	1.15	0.98	--	--
		9/25/2016	21.98	23.38	1.40	0.25	--	--
		10/28/2016	21.96	23.40	1.44	0.04	--	--
		12/11/2016	23.35	24.10	0.75	-0.69	--	--
		1/21/2017	24.57	25.07	0.50	-0.25	--	--
		2/19/2017	24.70	25.20	0.50	0.00	--	--
		3/14/2017	23.70	24.38	0.68	0.18	--	--
		4/20/2017	23.80	24.65	0.85	0.17	--	--
		6/6/2017	23.95	24.83	0.88	0.03	--	--
		9/19/2017	22.97	23.57	0.60	-0.28	--	--
		12/6/2017	24.60	25.55	0.95	0.35	--	--
		1/24/2018	23.78	24.29	0.51	-0.44	--	--
		2/21/2018	22.85	23.64	0.79	0.28	--	--
		3/15/2018	23.87	24.77	0.90	0.11	--	--
		6/6/2018	23.98	24.98	1.00	0.10	--	--
		7/17/2018	24.07	25.60	1.53	0.53	--	--
		9/24/2018	22.42	23.58	1.16	-0.37	--	--
		10/10/2018	23.66	24.33	0.67	-0.49	--	--
		12/11/2018	23.52	24.20	0.68	0.01	--	--
		1/23/2019	23.82	24.70	0.88	0.20	--	--
		3/13/2019	23.90	25.15	1.25	0.37	--	--
		6/26/2019	24.11	25.52	1.41	0.16	--	--
		9/21/2019	24.20	25.75	1.55	0.14	--	--
		12/3/2019	23.93	25.15	1.22	-0.33	--	--
		3/12/2020	23.53	24.28	0.75	-0.47	--	--
		5/20/2020	24.00	25.33	1.33	0.58	--	--
		6/18/2020	24.20	25.60	1.40	0.07	--	--
		8/13/2020	25.38	27.72	2.34	0.94	--	--
		9/15/2020	22.58	25.90	3.32	0.98	--	--
		11/12/2020	24.80	25.61	0.81	-2.51	--	--
		12/2/2020	24.75	25.70	0.95	0.14	--	--
		3/24/2021	25.00	25.80	0.80	-0.15	--	--
		6/8/2021	25.10	26.08	0.98	0.18	--	--
		8/5/2021	24.28	24.80	0.52	-0.46	--	--
		9/21/2021	23.95	23.97	0.02	-0.50	--	--
		12/2/2021	24.58	24.79	0.21	0.19	--	--
		3/23/2022	25.10	25.22	0.12	-0.09	--	--
		6/1/2022	25.34	25.44	0.10	-0.02	--	--
		9/28/2022	25.31	25.48	0.17	0.07	--	--
		12/7/2022	25.28	25.60	0.32	0.15	--	--
		2/23/2023	25.39	26.00	0.61	0.29	--	30.30
		8/14/2023	25.72	27.21	1.49	0.88	--	--
		10/18/2023	24.73	25.03	0.30	-1.19	--	--
		2/12/2024	25.57	25.93	0.36	0.06	--	
		5/1/2024	25.76	26.81	1.05	0.69	--	--
		9/9/2024	26.13	27.56	1.43	0.38	--	
		11/18/2024	25.92	26.70	0.78	-0.65	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-4-4	Unknown	7/26/2012	18.88	19.05	0.17	--	--	25.36
		12/20/2012	18.90	19.07	0.17	0.00	--	--
		6/19/2013	19.02	19.28	0.26	0.09	--	--
		12/12/2013	18.04	18.43	0.39	0.13	--	--
		6/26/2014	17.91	18.65	0.74	0.35	--	--
		12/18/2014	17.90	18.49	0.59	-0.15	--	--
		3/18/2015	18.66	19.22	0.56	-0.03	--	--
		6/8/2015	18.23	18.77	0.54	-0.02	--	--
		9/15/2015	18.87	18.98	0.11	-0.43	--	--
		12/16/2015	--	18.71	--	-0.11	--	--
		6/6/2016	24.83	24.84	0.01	0.01	--	--
		9/25/2016	--	17.22	--	-0.01	--	--
		10/28/2016	18.02	18.06	0.04	0.04	--	--
		12/11/2016	18.48	18.55	0.07	0.03	--	--
		1/21/2017	--	18.65	--	-0.07	--	--
		2/19/2017	18.78	18.80	0.02	0.02	--	--
		3/14/2017	--	18.83	--	-0.02	--	--
		4/20/2017	18.95	19.05	0.10	0.10	--	--
		6/6/2017	18.97	18.99	0.02	-0.08	--	--
		9/19/2017	18.08	18.11	0.03	0.01	--	--
		12/6/2017	--	18.80	--	-0.03	--	--
		1/24/2018	19.94	20.00	0.06	0.06	--	--
		2/21/2018	--	19.26	--	-0.06	--	--
		3/15/2018	--	19.26	--	0.00	--	--
		6/6/2018	--	19.16	--	0.00	--	--
		7/17/2018	--	19.33	--	0.00	--	--
		9/24/2018	--	19.06	--	0.00	--	--
		10/10/2018	--	19.24	--	0.00	--	--
		12/11/2018	--	18.97	--	0.00	--	--
		1/23/2019	--	19.02	--	0.00	--	--
		3/13/2019	--	19.10	--	0.00	--	--
		6/26/2019	--	19.46	--	0.00	--	--
		9/21/2019	--	19.50	--	0.00	--	--
		12/3/2019	--	19.42	--	0.00	--	--
		3/12/2020	--	18.65	--	0.00	--	--
		5/20/2020	--	18.88	--	0.00	--	--
		6/18/2020	20.42	20.48	0.06	0.06	--	--
		9/15/2020	--	20.18	--	-0.06	--	--
		12/2/2020	--	19.82	--	0.00	--	--
		3/24/2021	--	19.00	--	0.00	--	--
		6/8/2021	--	20.53	--	0.00	--	--
		8/5/2021	--	19.48	--	0.00	--	--
		9/21/2021	--	20.05	--	0.00	--	--
		12/2/2021	--	20.68	--	0.00	--	--
		3/23/2022	--	21.07	--	0.00	--	--
		6/1/2022	--	21.34	--	0.00	--	--
		9/28/2022	--	21.84	--	0.00	--	--
		12/7/2022	--	21.98	--	0.00	--	--
		2/23/2023	20.41	20.51	0.10	0.10	--	25.50
		8/14/2023	20.77	21.72	0.95	0.85	--	--
		10/18/2023	19.59	19.65	0.06	-0.89	--	--
		2/12/2024	20.47	20.65	0.18	0.12	--	--
		5/1/2024	20.73	21.18	0.45	0.27	--	--
		9/9/2024	21.06	21.61	0.55	0.10	--	--
		11/18/2024	20.81	21.11	0.30	-0.25	--	--

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HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-16	Unknown	7/26/2012	22.85	23.20	0.35	--	--	29.50
		12/20/2012	22.83	23.17	0.34	-0.01	--	--
		6/19/2013	22.90	23.32	0.42	0.08	--	--
		12/12/2013	22.08	22.50	0.42	0.00	--	--
		6/26/2014	21.89	22.33	0.44	0.02	--	--
		12/18/2014	21.90	22.31	0.41	-0.03	--	--
		3/18/2015	22.57	23.05	0.48	0.07	--	--
		6/9/2015	22.29	22.63	0.34	-0.14	--	--
		9/15/2015	22.78	22.88	0.10	-0.24	--	--
		12/16/2015	22.65	22.81	0.16	0.06	--	--
		6/6/2016	23.01	23.21	0.20	0.04	--	--
		9/25/2016	21.10	21.40	0.30	0.10	--	--
		10/28/2016	21.98	22.09	0.11	-0.19	--	--
		12/11/2016	22.42	22.58	0.16	0.05	--	--
		1/21/2017	22.62	22.73	0.11	-0.05	--	--
		2/19/2017	22.70	22.86	0.16	0.05	--	--
		3/14/2017	22.76	22.90	0.14	-0.02	--	--
		4/20/2017	22.85	23.10	0.25	0.11	--	--
		6/6/2017	22.92	23.03	0.11	-0.14	--	--
		9/19/2017	--	21.04	--	-0.11	--	--
		12/6/2017	22.84	22.95	0.11	0.11	--	--
		1/24/2018	22.82	23.02	0.20	0.09	--	--
		2/21/2018	22.90	23.04	0.14	-0.06	--	--
		3/15/2018	--	22.97	--	-0.14	--	--
		6/6/2018	23.10	23.20	0.10	0.10	--	--
		7/17/2018	23.22	23.60	0.38	0.28	--	--
		9/24/2018	22.50	22.85	0.35	-0.03	--	--
		10/10/2018	22.70	22.95	0.25	-0.10	--	--
		12/11/2018	22.58	22.70	0.12	-0.13	--	--
		1/23/2019	22.92	23.02	0.10	-0.02	--	--
		3/13/2019	23.00	23.10	0.10	0.00	--	--
		6/26/2019	23.60	23.83	0.23	0.13	--	--
		9/21/2019	23.60	23.75	0.15	-0.08	--	--
		12/3/2019	23.05	23.32	0.27	0.12	--	--
		3/12/2020	22.58	22.98	0.40	0.13	--	--
		5/20/2020	23.11	23.60	0.49	0.09	--	--
		6/18/2020	23.26	23.66	0.40	-0.09	--	--
		9/15/2020	23.77	23.97	0.20	-0.20	--	--
		12/2/2020	--	23.42	--	-0.20	--	--
		3/24/2021	24.05	24.40	0.35	0.35	--	--
		6/8/2021	24.12	25.00	0.88	0.53	--	--
		8/5/2021	23.38	23.82	0.44	-0.44	--	--
		9/21/2021	--	23.63	--	-0.44	--	--
		12/2/2021	23.52	23.78	0.26	0.26	--	--
		3/23/2022	24.08	24.22	0.14	-0.12	--	--
		6/1/2022	24.32	24.48	0.16	0.02	--	--
		9/28/2022	24.26	24.51	0.25	0.09	--	--
		12/7/2022	24.20	24.40	0.20	-0.05	--	--
		2/23/2023	24.36	24.70	0.34	0.14	--	29.64
		8/14/2023	24.83	25.23	0.40	0.06	--	--
		10/18/2023	23.64	23.82	0.18	-0.22	--	--
		2/12/2024	24.51	24.65	0.14	-0.04	--	--
		5/1/2024	24.78	25.06	0.28	0.14	--	--
		9/9/2024	25.17	25.44	0.27	-0.01	--	--
		11/18/2024	24.73	24.81	0.08	-0.19	--	--

TABLE 1
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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-17	Unknown	7/26/2012	21.85	22.45	0.60	--	--	27.60
		12/20/2012	21.77	23.08	1.31	0.71	--	--
		6/19/2013	21.63	23.82	2.19	0.88	--	--
		12/12/2013	20.92	22.66	1.74	-0.45	--	--
		6/26/2014	20.80	22.72	1.92	0.18	--	--
		12/18/2014	20.89	21.98	1.09	-0.83	--	--
		3/18/2015	21.64	22.23	0.59	-0.50	--	--
		6/8/2015	21.30	21.87	0.57	-0.02	--	--
		9/15/2015	21.70	23.31	1.61	1.04	--	--
		12/16/2015	21.43	23.53	2.10	0.49	--	--
		6/6/2016	21.67	24.57	2.90	0.80	--	--
		9/25/2016	20.13	20.31	0.18	-2.72	--	--
		10/28/2016	20.99	21.56	0.57	0.39	--	--
		12/11/2016	21.30	22.60	1.30	0.73	--	--
		1/21/2017	21.55	22.80	1.25	-0.05	--	--
		2/19/2017	21.66	22.97	1.31	0.06	--	--
		3/14/2017	21.72	22.90	1.18	-0.13	--	--
		4/20/2017	21.80	23.15	1.35	0.17	--	--
		6/6/2017	21.87	22.96	1.09	-0.26	--	--
		9/19/2017	21.11	21.40	0.29	-0.80	--	--
		12/6/2017	21.70	22.48	0.78	0.49	--	--
		1/24/2018	21.76	23.25	1.49	0.71	--	--
		2/21/2018	21.84	23.25	1.41	-0.08	--	--
		3/15/2018	21.88	23.10	1.22	-0.19	--	--
		6/6/2018	22.04	23.02	0.98	-0.24	--	--
		7/17/2018	22.72	23.96	1.24	0.26	--	--
		9/24/2018	20.73	22.17	1.44	0.20	--	--
		10/10/2018	21.70	22.72	1.02	-0.42	--	--
		12/11/2018	21.49	22.65	1.16	0.14	--	--
		1/23/2019	21.74	23.20	1.46	0.30	--	--
		3/13/2019	21.90	23.35	1.45	-0.01	--	--
		6/26/2019	22.20	23.34	1.14	-0.31	--	--
		9/21/2019	22.30	23.55	1.25	0.11	--	--
		12/3/2019	22.05	22.95	0.90	-0.35	--	--
		3/12/2020	21.45	23.08	1.63	0.73	--	--
		5/20/2020	22.20	22.85	0.65	-0.98	--	--
		6/18/2020	22.22	23.32	1.10	0.45	--	--
		8/13/2020	22.52	23.98	1.46	0.36	--	--
		9/15/2020	21.48	22.52	1.04	-0.42	--	--
		11/12/2020	22.75	24.38	1.63	0.59	--	--
		12/2/2020	22.63	24.75	2.12	0.49	--	--
		3/24/2021	22.80	25.18	2.38	0.26	--	--
		6/8/2021	22.90	25.45	2.55	0.17	--	--
		8/5/2021	22.20	24.04	1.84	-0.71	--	--
		9/21/2021	21.83	22.65	0.82	-1.02	--	--
		12/2/2021	22.58	23.24	0.66	-0.16	--	--
		3/23/2022	23.00	24.10	1.10	0.44	--	--
		6/1/2022	23.28	24.07	0.79	-0.31	--	--
		9/28/2022	23.11	24.48	1.37	0.58	--	--
		12/7/2022	23.05	24.25	1.20	-0.17	--	--
		2/23/2023	23.08	25.14	2.06	0.86	--	28.20
		8/14/2023	23.58	25.72	2.14	0.08	--	--
		10/18/2023	22.52	23.38	0.86	-1.28	--	--
		2/12/2024	23.39	24.11	0.72	-0.14	--	--
		5/1/2024	23.65	25.02	1.37	0.65	--	--
		9/9/2024	23.91	25.68	1.77	0.40	--	--
		11/18/2024	23.58	25.03	1.45	-0.32	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-18	Unknown	7/26/2012	24.53	25.01	0.48	--	--	30.41
		12/20/2012	24.52	25.12	0.60	0.12	--	--
		6/19/2013	24.25	25.36	1.11	0.51	--	--
		12/12/2013	--	--	--	-1.11	--	--
		6/26/2014	--	--	--	0.00	--	--
		12/18/2014	23.51	24.31	0.80	0.80	--	--
		3/18/2015	24.28	24.95	0.67	-0.13	--	--
		6/9/2015	23.97	24.48	0.51	-0.16	--	--
		9/15/2015	24.50	24.65	0.15	-0.36	--	--
		12/16/2015	24.36	24.41	0.05	-0.10	--	--
		6/6/2016	24.74	24.75	0.01	-0.04	--	--
		9/25/2016	--	22.80	--	-0.01	--	--
		10/28/2016	--	23.78	--	0.00	--	--
		12/11/2016	--	24.14	--	0.00	--	--
		1/21/2017	--	24.35	--	0.00	--	--
		2/19/2017	--	24.47	--	0.00	--	--
		3/14/2017	--	24.15	--	0.00	--	--
		4/20/2017	--	24.60	--	0.00	--	--
		6/6/2017	--	24.66	--	0.00	--	--
		9/19/2017	--	23.88	--	0.00	--	--
		12/6/2017	--	24.40	--	0.00	--	--
		1/24/2018	--	24.60	--	0.00	--	--
		2/21/2018	--	23.90	--	0.00	--	--
		3/15/2018	--	24.84	--	0.00	--	--
		6/6/2018	--	22.98	--	0.00	--	--
		7/17/2018	--	23.02	--	0.00	--	--
		9/24/2018	--	22.25	--	0.00	--	--
		10/10/2018	--	22.64	--	0.00	--	--
		12/11/2018	--	24.30	--	0.00	--	--
		3/13/2019	--	24.70	--	0.00	--	--
		6/26/2019	--	24.35	--	0.00	--	--
		9/21/2019	--	23.04	--	0.00	--	--
		12/3/2019	24.85	24.90	0.05	0.05	--	--
		3/12/2020	24.10	24.15	0.05	0.00	--	--
		5/20/2020	--	24.55	--	-0.05	--	--
		6/18/2020	--	24.60	--	0.00	--	--
		9/15/2020	--	24.07	--	0.00	--	--
		12/2/2020	--	24.85	--	0.00	--	--
		3/24/2021	--	25.92	--	0.00	--	--
		6/8/2021	25.85	26.00	0.15	0.15	--	--
		8/5/2021	25.18	25.20	0.02	-0.13	--	--
		9/21/2021	--	24.63	--	-0.02	--	--
		12/2/2021	Trace	23.52	--	0.00	--	--
		3/23/2022	Trace	23.95	--	0.00	--	--
		6/1/2022	Trace	24.26	--	0.00	--	--
		9/28/2022	25.99	26.13	0.14	0.14	--	--
		12/7/2022	26.03	26.08	0.05	-0.09	--	--
		2/23/2023	26.14	26.38	0.24	0.19	--	30.45
		8/14/2023	26.54	26.83	0.29	0.05	--	--
		10/18/2023	25.40	25.57	0.17	-0.12	--	--
		2/12/2024	26.23	26.56	0.33	0.16	--	--
		5/1/2024	26.54	26.79	0.25	-0.08	--	--
		9/9/2024	26.93	27.19	0.26	0.01	--	--
		11/18/2024	26.50	26.57	0.07	-0.19	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-39	Unknown	7/26/2012	20.10	20.31	0.21	--	--	29.01
		12/20/2012	20.04	20.36	0.32	0.11	--	--
		6/19/2013	20.11	20.62	0.51	0.19	--	--
		12/12/2013	18.45	18.95	0.50	-0.01	--	--
		6/26/2014	18.37	18.85	0.48	-0.02	--	--
		12/18/2014	18.50	19.39	0.89	0.41	--	--
		3/18/2015	18.99	20.00	1.01	0.12	--	--
		6/8/2015	18.64	19.50	0.86	-0.15	--	--
		9/15/2015	19.28	19.64	0.36	-0.50	--	--
		12/16/2015	19.10	19.49	0.39	0.03	--	--
		6/6/2016	19.39	20.10	0.71	0.32	--	--
		9/25/2016	17.58	18.18	0.60	-0.11	--	--
		10/28/2016	18.42	19.09	0.67	0.07	--	--
		12/11/2016	18.75	19.90	1.15	0.48	--	--
		1/21/2017	18.95	20.08	1.13	-0.02	--	--
		2/19/2017	19.08	20.18	1.10	-0.03	--	--
		3/14/2017	19.10	20.15	1.05	-0.05	--	--
		4/20/2017	19.30	20.40	1.10	0.05	--	--
		6/6/2017	19.31	20.42	1.11	0.01	--	--
		9/19/2017	18.50	19.08	0.58	-0.53	--	--
		12/6/2017	19.15	19.70	0.55	-0.03	--	--
		1/24/2018	19.25	19.90	0.65	0.10	--	--
		2/21/2018	19.38	20.32	0.94	0.29	--	--
		3/15/2018	19.38	20.17	0.79	-0.15	--	--
		6/6/2018	19.46	20.28	0.82	0.03	--	--
		7/17/2018	19.45	20.76	1.31	0.49	--	--
		9/24/2018	18.83	20.25	1.42	0.11	--	--
		10/10/2018	19.06	20.24	1.18	-0.24	--	--
		12/11/2018	18.90	19.80	0.90	-0.28	--	--
		1/23/2019	19.82	21.12	1.30	0.40	--	--
		3/13/2019	19.40	20.05	0.65	-0.65	--	--
		6/26/2019	19.68	20.44	0.76	0.11	--	--
		9/21/2019	19.75	20.65	0.90	0.14	--	--
		12/3/2019	19.42	20.55	1.13	0.23	--	--
		3/12/2020	18.87	20.17	1.30	0.17	--	--
		5/20/2020	19.52	20.20	0.68	-0.62	--	--
		6/18/2020	19.75	20.74	0.99	0.31	--	--
		8/13/2020	20.05	20.78	0.73	-0.26	--	--
		9/15/2020	20.20	20.70	0.50	-0.23	--	--
		11/12/2020	20.35	20.95	0.60	0.10	--	--
		12/2/2020	20.44	21.54	1.10	0.50	--	--
		3/24/2021	20.42	21.60	1.18	0.08	--	--
		6/8/2021	20.40	22.18	1.78	0.60	--	--
		8/5/2021	19.68	20.46	0.78	-1.00	--	--
		9/21/2021	19.33	20.43	1.10	0.32	--	--
		12/2/2021	20.05	20.98	0.93	-0.17	--	--
		3/23/2022	20.08	20.35	0.27	-0.66	--	--
		6/1/2022	20.58	21.12	0.54	0.27	--	--
		9/28/2022	20.73	21.95	1.22	0.68	--	--
		12/7/2022	21.50	22.58	1.08	-0.14	--	--
		2/23/2023	20.63	22.26	1.63	0.55	--	29.01
		8/14/2023	21.12	22.53	1.41	-0.22	--	--
		10/18/2023	20.00	20.59	0.59	-0.82	--	--
		2/12/2024	20.78	21.81	1.03	0.44	--	--
		5/1/2024	21.15	21.85	0.70	-0.33	--	--
		9/9/2024	21.53	22.02	0.49	-0.21	--	--
		11/18/2024	21.20	21.42	0.22	-0.27	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-41	Unknown	7/26/2012	18.90	19.46	0.56	--	--	29.50
		12/20/2012	18.94	19.49	0.55	-0.01	--	--
		6/19/2013	19.03	19.73	0.70	0.15	--	--
		12/12/2013	18.09	18.63	0.54	-0.16	--	--
		6/26/2014	18.01	18.65	0.64	0.10	--	--
		12/18/2014	17.98	18.72	0.74	0.10	--	--
		3/18/2015	18.65	19.31	0.66	-0.08	--	--
		6/8/2015	18.32	18.70	0.38	-0.28	--	--
		9/15/2015	18.93	19.30	0.37	-0.01	--	--
		12/16/2015	18.77	18.94	0.17	-0.20	--	--
		6/6/2016	19.33	19.34	0.01	-0.16	--	--
		9/25/2016	--	17.22	--	-0.01	--	--
		10/28/2016	18.15	18.17	0.02	0.02	--	--
		12/11/2016	--	18.53	--	-0.02	--	--
		1/21/2017	--	18.73	--	0.00	--	--
		2/19/2017	18.87	18.92	0.05	0.05	--	--
		3/14/2017	18.90	18.95	0.05	0.00	--	--
		4/20/2017	19.00	19.15	0.15	0.10	--	--
		6/6/2017	19.02	19.40	0.38	0.23	--	--
		9/19/2017	18.20	18.55	0.35	-0.03	--	--
		12/6/2017	18.75	19.55	0.80	0.45	--	--
		1/24/2018	18.90	19.60	0.70	-0.10	--	--
		2/21/2018	19.00	19.62	0.62	-0.08	--	--
		3/15/2018	18.98	19.74	0.76	0.14	--	--
		6/6/2018	19.11	19.90	0.79	0.03	--	--
		7/17/2018	19.27	20.22	0.95	0.16	--	--
		9/24/2018	18.50	19.60	1.10	0.15	--	--
		10/10/2018	18.80	19.15	0.35	-0.75	--	--
		12/11/2018	19.12	20.35	1.23	0.88	--	--
		1/23/2019	18.92	19.60	0.68	-0.55	--	--
		3/13/2019	19.10	19.50	0.40	-0.28	--	--
		6/26/2019	19.40	20.03	0.63	0.23	--	--
		9/21/2019	20.45	21.19	0.74	0.11	--	--
		12/3/2019	19.11	19.90	0.79	0.05	--	--
		3/12/2020	18.60	19.18	0.58	-0.21	--	--
		5/20/2020	19.28	19.77	0.49	-0.09	--	--
		6/18/2020	19.06	19.45	0.39	-0.10	--	--
		8/13/2020	19.68	20.80	1.12	0.73	--	--
		9/15/2020	19.80	20.45	0.65	-0.47	--	--
		11/12/2020	19.93	20.60	0.67	0.02	--	--
		12/2/2020	20.08	21.10	1.02	0.35	--	--
		3/24/2021	20.05	20.95	0.90	-0.12	--	--
		6/8/2021	20.20	21.15	0.95	0.05	--	--
		8/5/2021	19.45	19.85	0.40	-0.55	--	--
		9/21/2021	18.95	19.25	0.30	-0.10	--	--
		12/2/2021	19.65	20.22	0.57	0.27	--	--
		3/23/2022	20.15	20.65	0.50	-0.07	--	--
		6/1/2022	20.42	20.73	0.31	-0.19	--	--
		9/28/2022	20.32	20.97	0.65	0.34	--	--
		12/7/2022	20.20	20.28	0.08	-0.57	--	--
		2/23/2023	20.39	21.21	0.82	0.74	--	30.41
		8/14/2023	20.77	22.23	1.46	0.64	--	--
		10/18/2023	19.69	19.70	0.01	-1.45	--	--
		2/12/2024	20.48	21.12	0.64	0.63	--	--
		5/1/2024	20.80	21.32	0.52	-0.12	--	--
		9/9/2024	21.14	21.66	0.52	0.00	--	--
		11/18/2024	20.80	21.02	0.22	-0.30	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-42	Unknown	7/26/2012	19.52	20.43	0.91	--	--	29.66
		12/20/2012	19.55	20.36	0.81	-0.10	--	--
		6/19/2013	19.65	20.50	0.85	0.04	--	--
		12/12/2013	18.69	19.53	0.84	-0.01	--	--
		6/26/2014	18.66	19.52	0.86	0.02	--	--
		12/18/2014	18.65	19.05	0.40	-0.46	--	--
		3/18/2015	19.31	19.77	0.46	0.06	--	--
		6/8/2015	19.02	19.31	0.29	-0.17	--	--
		9/15/2015	19.58	19.88	0.30	0.01	--	--
		12/16/2015	19.38	19.70	0.32	0.02	--	--
		6/6/2016	19.84	19.94	0.10	-0.22	--	--
		9/25/2016	--	17.80	--	-0.10	--	--
		10/28/2016	--	18.75	--	0.00	--	--
		12/11/2016	--	Dry	--	0.00	--	--
		1/21/2017	--	Dry	--	0.00	--	--
		2/19/2017	--	Dry	--	0.00	--	--
		3/14/2017	--	Dry	--	0.00	--	--
		4/20/2017	19.70	19.80	0.10	0.10	--	--
		6/6/2017	19.73	19.80	0.07	-0.03	--	--
		9/19/2017	18.78	19.10	0.32	0.25	--	--
		12/6/2017	19.43	19.90	0.47	0.15	--	--
		1/24/2018	19.62	19.90	0.28	-0.19	--	--
		2/21/2018	19.70	19.98	0.28	0.00	--	--
		3/15/2018	19.95	20.07	0.12	-0.16	--	--
		6/6/2018	20.08	20.53	0.45	0.33	--	--
		7/17/2018	21.05	21.34	0.29	-0.16	--	--
		9/24/2018	20.18	20.95	0.77	0.48	--	--
		10/10/2018	19.35	20.28	0.93	0.16	--	--
		12/11/2018	19.12	20.35	1.23	0.30	--	--
		1/23/2019	19.45	20.60	1.15	-0.08	--	--
		3/13/2019	19.70	20.45	0.75	-0.40	--	--
		6/26/2019	20.00	20.45	0.45	-0.30	--	--
		9/21/2019	20.14	20.65	0.51	0.06	--	--
		12/3/2019	19.80	20.18	0.38	-0.13	--	--
		3/12/2020	18.28	18.58	0.30	-0.08	--	--
		5/20/2020	19.90	20.28	0.38	0.08	--	--
		6/18/2020	20.38	20.52	0.14	-0.24	--	--
		8/13/2020	20.32	20.83	0.51	0.37	--	--
		9/15/2020	20.48	20.88	0.40	-0.11	--	--
		11/12/2020	20.63	20.92	0.29	-0.11	--	--
		12/2/2020	20.75	21.30	0.55	0.26	--	--
		3/24/2021	21.17	21.34	0.17	-0.38	--	--
		6/8/2021	20.06	20.22	0.16	-0.01	--	--
		8/5/2021	20.08	20.25	0.17	0.01	--	--
		9/21/2021	--	19.60	--	-0.17	--	--
		12/2/2021	20.35	20.42	0.07	0.07	--	--
		3/23/2022	20.80	20.90	0.10	0.03	--	--
		6/1/2022	Trace	21.08	--	-0.10	--	--
		9/28/2022	20.97	21.06	0.09	0.09	--	--
		12/7/2022	20.90	21.04	0.14	0.05	--	--
		2/23/2023	21.02	21.32	0.30	0.16	--	30.20
		8/14/2023	21.55	21.77	0.22	-0.08	--	--
		10/18/2023	--	20.25	--	-0.22	--	--
		2/12/2024	21.12	21.23	0.11	0.11	--	--
		5/1/2024	21.45	21.68	0.23	0.12	--	--
		9/9/2024	21.79	21.94	0.15	-0.08	--	--
		11/18/2024	21.46	21.51	0.05	-0.10	--	--

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Summary of Fluid Levels
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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-45	Unknown	7/26/2012	16.17	17.70	1.53	--	--	26.01
		12/20/2012	16.20	16.72	0.52	-1.01	--	--
		6/19/2013	16.31	17.00	0.69	0.17	--	--
		12/12/2013	15.20	15.48	0.28	-0.41	--	--
		6/26/2014	14.99	15.29	0.30	0.02	--	--
		12/18/2014	15.17	15.20	0.03	-0.27	--	--
		3/18/2015	--	18.92	--	-0.03	--	--
		6/8/2015	--	15.53	--	0.00	--	--
		9/15/2015	16.14	16.15	0.01	0.01	--	--
		12/16/2015	15.94	15.96	0.02	0.01	--	--
		6/6/2016	16.36	16.40	0.04	0.02	--	--
		9/25/2016	--	14.18	--	-0.04	--	--
		12/11/2016	--	15.62	--	0.00	--	--
		1/21/2017	--	15.89	--	0.00	--	--
		2/19/2017	--	16.04	--	0.00	--	--
		3/14/2017	--	14.08	--	0.00	--	--
		4/20/2017	--	16.20	--	0.00	--	--
		6/6/2017	--	16.25	--	0.00	--	--
		9/19/2017	--	15,20	--	0.00	--	--
		12/6/2017	--	15.95	--	0.00	--	--
		1/24/2018	--	16.07	--	0.00	--	--
		2/21/2018	--	16.16	--	0.00	--	--
		3/15/2018	--	16.28	--	0.00	--	--
		6/6/2018	--	16.78	--	0.00	--	--
		7/17/2018	Trace	15.86	--	0.00	--	--
		9/24/2018	--	15.77	--	0.00	--	--
		10/10/2018	--	15.97	--	0.00	--	--
		12/11/2018	--	15.70	--	0.00	--	--
		3/13/2019	--	16.40	--	0.00	--	--
		6/26/2019	--	16.32	--	0.00	--	--
		9/21/2019	--	16.85	--	0.00	--	--
		12/3/2019	--	16.45	--	0.00	--	--
		3/12/2020	--	15.88	--	0.00	--	--
		5/20/2020	--	16.55	--	0.00	--	--
		6/18/2020	--	16.68	--	0.00	--	--
		9/15/2020	--	17.12	--	0.00	--	--
		12/2/2020	--	16.34	--	0.00	--	--
		3/24/2021	--	16.03	--	0.00	--	--
		6/8/2021	--	16.55	--	0.00	--	--
		8/5/2021	--	16.33	--	0.00	--	--
		9/21/2021	--	17.22	--	0.00	--	--
		12/2/2021	--	17.99	--	0.00	--	--
		3/23/2022	--	18.21	--	0.00	--	--
		6/1/2022	--	18.54	--	0.00	--	--
		9/28/2022	--	17.38	--	0.00	--	--
		12/7/2022	--	17.76	--	0.00	--	--
		2/23/2023	--	17.58	--	0.00	--	26.76
		8/14/2023	18.17	18.36	0.19	0.19	--	--
		10/18/2023	16.66	16.79	0.13	-0.06	--	--
		2/12/2024	--	17.64	--	-0.13	--	26.75
		5/1/2024	18.00	18.01	0.01	0.01	--	26.79
		9/9/2024	18.28	18.35	0.07	0.06	--	
		11/18/2024	--	18.00	--	-0.07	--	26.76

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-61	Unknown	7/26/2012	19.46	19.97	0.51	--	--	29.23
		12/20/2012	19.49	20.03	0.54	0.03	--	--
		6/19/2013	19.55	20.10	0.55	0.01	--	--
		12/12/2013	18.61	19.25	0.64	0.09	--	--
		6/26/2014	18.51	19.16	0.65	0.01	--	--
		12/18/2014	18.55	19.28	0.73	0.08	--	--
		3/18/2015	19.19	19.85	0.66	-0.07	--	--
		6/8/2015	18.88	19.00	0.12	-0.54	--	--
		9/15/2015	--	19.48	--	-0.12	--	--
		12/16/2015	--	19.30	--	0.00	--	--
		6/6/2016	19.80	19.81	0.01	0.01	--	--
		9/25/2016	--	17.85	--	-0.01	--	--
		10/28/2016	--	17.82	--	0.00	--	--
		12/11/2016	19.02	19.07	0.05	0.05	--	--
		1/21/2017	19.22	19.30	0.08	0.03	--	--
		2/19/2017	19.35	19.49	0.14	0.06	--	--
		3/14/2017	19.40	19.45	0.05	-0.09	--	--
		4/20/2017	19.50	19.60	0.10	0.05	--	--
		6/6/2017	19.52	19.58	0.06	-0.04	--	--
		9/19/2017	18.66	19.09	0.43	0.37	--	--
		12/6/2017	19.30	19.55	0.25	-0.18	--	--
		1/24/2018	17.48	17.68	0.20	-0.05	--	--
		2/21/2018	19.82	19.90	0.08	-0.12	--	--
		3/15/2018	19.55	20.04	0.49	0.41	--	--
		6/6/2018	19.69	19.83	0.14	-0.35	--	--
		7/17/2018	19.83	20.17	0.34	0.20	--	--
		9/24/2018	19.08	19.42	0.34	0.00	--	--
		10/10/2018	19.30	19.60	0.30	-0.04	--	--
		12/11/2018	19.11	19.35	0.24	-0.06	--	--
		3/13/2019	18.65	18.93	0.28	0.04	--	--
		6/26/2019	--	19.90	--	-0.28	--	--
		9/21/2019	19.98	20.25	0.27	0.27	--	--
		12/3/2019	19.80	19.85	0.05	-0.22	--	--
		3/12/2020	--	19.25	--	-0.05	--	--
		5/20/2020	--	19.90	--	0.00	--	--
		6/18/2020	20.05	20.18	0.13	0.13	--	--
		8/13/2020	--	20.84	--	-0.13	--	--
		9/15/2020	20.55	20.80	0.25	0.25	--	--
		11/12/2020	21.68	21.70	0.02	-0.23	--	--
		12/2/2020	19.76	19.92	0.16	0.14	--	--
		3/24/2021	--	20.95	--	-0.16	--	--
		6/8/2021	20.98	21.02	0.04	0.04	--	--
		8/5/2021	20.34	20.36	0.02	-0.02	--	--
		9/21/2021	--	19.48	--	-0.02	--	--
		12/2/2021	--	19.79	--	0.00	--	--
		3/23/2022	--	21.05	--	0.00	--	--
		6/1/2022	--	21.44	--	0.00	--	--
		9/28/2022	--	21.12	--	0.00	--	--
		12/7/2022	--	20.92	--	0.00	--	--
		2/23/2023	21.00	21.12	0.12	0.12	--	30.22
		8/14/2023	21.51	21.76	0.25	0.13	--	--
		10/18/2023	20.21	20.35	0.14	-0.11	--	--
		2/12/2024	21.12	21.22	0.10	-0.04	--	--
		5/1/2024	21.43	21.56	0.13	0.03	--	--
		9/9/2024	21.78	22.03	0.25	0.12	--	--
		11/18/2024	21.40	21.46	0.06	-0.19	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-62	Unknown	7/26/2012	18.88	19.67	0.79	--	--	27.92
		12/20/2012	18.85	19.82	0.97	0.18	--	--
		6/19/2013	18.90	20.28	1.38	0.41	--	--
		12/12/2013	17.94	19.28	1.34	-0.04	--	--
		6/26/2014	17.83	19.13	1.30	-0.04	--	--
		12/18/2014	17.90	19.30	1.40	0.10	--	--
		3/18/2015	18.51	19.91	1.40	0.00	--	--
		6/8/2015	18.24	18.93	0.69	-0.71	--	--
		9/15/2015	--	18.90	--	-0.69	--	--
		12/16/2015	18.69	18.70	0.01	0.01	--	--
		6/6/2016	19.01	19.08	0.07	0.06	--	--
		9/25/2016	--	17.40	--	-0.07	--	--
		10/28/2016	--	17.58	--	0.00	--	--
		12/11/2016	--	18.45	--	0.00	--	--
		1/21/2017	--	18.66	--	0.00	--	--
		2/19/2017	--	18.82	--	0.00	--	--
		3/14/2017	--	18.85	--	0.00	--	--
		4/20/2017	18.95	19.00	0.05	0.05	--	--
		6/6/2017	18.97	19.00	0.03	-0.02	--	--
		9/19/2017	18.18	18.40	0.22	0.19	--	--
		12/6/2017	--	18.80	--	-0.22	--	--
		1/24/2018	18.95	19.00	0.05	0.05	--	--
		2/21/2018	19.04	19.10	0.06	0.01	--	--
		3/15/2018	19.06	19.11	0.05	-0.01	--	--
		6/6/2018	19.18	19.40	0.22	0.17	--	--
		7/17/2018	20.34	20.74	0.40	0.18	--	--
		9/24/2018	18.60	18.72	0.12	-0.28	--	--
		10/10/2018	18.80	18.83	0.03	-0.09	--	--
		12/11/2018	18.60	18.72	0.12	0.09	--	--
		3/13/2019	19.15	19.25	0.10	-0.02	--	--
		6/26/2019	--	19.45	--	-0.10	--	--
		9/21/2019	19.45	19.80	0.35	0.35	--	--
		12/3/2019	19.18	19.32	0.14	-0.21	--	--
		3/12/2020	18.60	18.70	0.10	-0.04	--	--
		5/20/2020	19.35	19.50	0.15	0.05	--	--
		6/18/2020	19.50	19.68	0.18	0.03	--	--
		8/13/2020	20.82	20.88	0.06	-0.12	--	--
		9/15/2020	19.95	20.05	0.10	0.04	--	--
		11/12/2020	21.00	21.05	0.05	-0.05	--	--
		12/2/2020	20.20	20.30	0.10	0.05	--	--
		3/24/2021	--	20.25	--	-0.10	--	--
		6/8/2021	20.88	21.22	0.34	0.34	--	--
		8/5/2021	--	19.50	--	-0.34	--	--
		9/21/2021	--	18.99	--	0.00	--	--
		12/2/2021	--	19.78	--	0.00	--	--
		3/23/2022	--	21.38	--	0.00	--	--
		6/1/2022	--	21.77	--	0.00	--	--
		9/28/2022	--	20.58	--	0.00	--	--
		12/7/2022	--	21.44	--	0.00	--	--
		2/23/2023	20.50	20.54	0.04	0.04	--	28.04
		8/14/2023	--	20.99	--	-0.04	--	28.30
		10/18/2023	--	19.71	--	0.00	--	28.30
		2/12/2024	20.59	21.05	0.46	0.46	--	--
		5/1/2024	20.93	20.94	0.01	-0.45	--	--
		9/9/2024	21.26	21.42	0.16	0.15	--	--
		11/18/2024	20.84	21.00	0.16	0.00	--	--

TABLE 1
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HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-63	Unknown	7/26/2012	19.71	20.05	0.34	--	--	28.45
		12/20/2012	--	20.06	--	-0.34	--	--
		6/19/2013	19.80	20.31	0.51	0.51	--	--
		12/12/2013	18.83	19.55	0.72	0.21	--	--
		6/26/2014	18.72	19.58	0.86	0.14	--	--
		12/18/2014	18.80	20.05	1.25	0.39	--	--
		3/18/2015	19.37	20.38	1.01	-0.24	--	--
		6/8/2015	19.08	19.36	0.28	-0.73	--	--
		9/15/2015	19.68	19.96	0.28	0.00	--	--
		12/16/2015	--	19.55	--	-0.28	--	--
		6/6/2016	19.81	20.27	0.46	0.46	--	--
		9/25/2016	17.98	18.38	0.40	-0.06	--	--
		10/28/2016	17.95	18.40	0.45	0.05	--	--
		12/11/2016	19.28	19.58	0.30	-0.15	--	--
		1/21/2017	19.45	20.00	0.55	0.25	--	--
		2/19/2017	19.57	20.18	0.61	0.06	--	--
		3/14/2017	19.60	20.06	0.46	-0.15	--	--
		4/20/2017	19.70	20.40	0.70	0.24	--	--
		6/6/2017	19.75	20.15	0.40	-0.30	--	--
		9/19/2017	18.88	19.14	0.26	-0.14	--	--
		12/6/2017	19.46	19.50	0.04	-0.22	--	--
		1/24/2018	19.65	20.43	0.78	0.74	--	--
		2/21/2018	19.75	20.40	0.65	-0.13	--	--
		3/15/2018	19.78	20.33	0.55	-0.10	--	--
		6/6/2018	19.92	20.29	0.37	-0.18	--	--
		7/17/2018	20.34	20.74	0.40	0.03	--	--
		9/24/2018	19.28	20.28	1.00	0.60	--	--
		10/10/2018	18.53	18.87	0.34	-0.66	--	--
		12/11/2018	19.32	20.10	0.78	0.44	--	--
		1/23/2019	19.67	20.40	0.73	-0.05	--	--
		3/13/2019	19.85	20.33	0.48	-0.25	--	--
		6/26/2019	20.10	20.60	0.50	0.02	--	--
		9/21/2019	20.25	20.50	0.25	-0.25	--	--
		12/3/2019	19.90	20.90	1.00	0.75	--	--
		3/12/2020	19.38	19.65	0.27	-0.73	--	--
		5/20/2020	20.02	20.33	0.31	0.04	--	--
		6/18/2020	20.22	20.62	0.40	0.09	--	--
		8/13/2020	20.48	20.93	0.45	0.05	--	--
		9/15/2020	20.65	20.75	0.10	-0.35	--	--
		11/12/2020	20.75	20.85	0.10	0.00	--	--
		12/2/2020	20.95	21.05	0.10	0.00	--	--
		3/24/2021	--	21.00	--	-0.10	--	--
		6/8/2021	21.10	21.15	0.05	0.05	--	--
		8/5/2021	20.09	20.55	0.46	0.41	--	--
		9/21/2021	19.63	19.65	0.02	-0.44	--	--
		12/2/2021	20.42	20.43	0.01	-0.01	--	--
		3/23/2022	--	20.98	--	-0.01	--	--
		6/1/2022	Trace	21,22	--	0.00	--	--
		9/28/2022	21.18	21.22	0.04	0.04	--	--
		12/7/2022	21.00	21.14	0.14	0.10	--	--
		2/23/2023	21.23	21.33	0.10	-0.04	--	29.29
		8/14/2023	21.68	22.08	0.40	0.30	--	--
		10/18/2023	--	20.42	--	-0.40	--	--
		2/12/2024	21.36	21.45	0.09	0.09	--	--
		5/1/2024	21.64	21.85	0.21	0.12	--	--
		9/9/2024	21.99	22.18	0.19	-0.02	--	--
		11/18/2024	21.60	21.61	0.01	-0.18	--	--

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Monument, Lea County, New Mexico

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BH-64	Unknown	7/26/2012	20.00	21.64	1.64	--	--	28.77
		12/20/2012	19.93	22.09	2.16	0.52	--	--
		6/19/2013	20.07	22.40	2.33	0.17	--	--
		12/12/2013	19.01	21.67	2.66	0.33	--	--
		6/26/2014	18.91	21.72	2.81	0.15	--	--
		12/18/2014	19.18	20.28	1.10	-1.71	--	--
		3/18/2015	19.85	21.02	1.17	0.07	--	--
		6/8/2015	19.52	20.40	0.88	-0.29	--	--
		9/15/2015	20.20	20.57	0.37	-0.51	--	--
		12/16/2015	19.98	20.50	0.52	0.15	--	--
		6/6/2016	20.18	21.76	1.58	1.06	--	--
		9/25/2016	18.42	19.58	1.16	-0.42	--	--
		12/11/2016	19.72	20.38	0.66	-0.50	--	--
		1/21/2017	19.94	20.60	0.66	0.00	--	--
		2/19/2017	20.08	20.64	0.56	-0.10	--	--
		3/14/2017	20.15	20.60	0.45	-0.11	--	--
		4/20/2017	20.20	21.00	0.80	0.35	--	--
		6/6/2017	20.34	20.90	0.56	-0.24	--	--
		9/19/2017	--	19.48	--	-0.56	--	--
		12/6/2017	20.00	20.78	0.78	0.78	--	--
		1/24/2018	20.10	21.10	1.00	0.22	--	--
		2/21/2018	20.25	21.05	0.80	-0.20	--	--
		3/15/2018	20.24	21.03	0.79	-0.01	--	--
		6/6/2018	20.45	20.90	0.45	-0.34	--	--
		7/17/2018	20.54	21.92	1.38	0.93	--	--
		9/24/2018	19.74	21.05	1.31	-0.07	--	--
		10/10/2018	20.20	20.80	0.60	-0.71	--	--
		12/11/2018	19.80	20.70	0.90	0.30	--	--
		1/23/2019	20.05	21.25	1.20	0.30	--	--
		3/13/2019	20.25	21.50	1.25	0.05	--	--
		6/26/2019	20.52	21.80	1.28	0.03	--	--
		9/21/2019	20.70	21.60	0.90	-0.38	--	--
		12/3/2019	20.32	21.56	1.24	0.34	--	--
		3/12/2020	19.83	20.75	0.92	-0.32	--	--
		5/20/2020	20.47	21.47	1.00	0.08	--	--
		6/18/2020	20.64	21.74	1.10	0.10	--	--
		8/13/2020	20.92	21.90	0.98	-0.12	--	--
		9/15/2020	21.15	22.08	0.93	-0.05	--	--
		11/12/2020	21.25	21.90	0.65	-0.28	--	--
		12/2/2020	21.45	22.65	1.20	0.55	--	--
		3/24/2021	21.45	22.20	0.75	-0.45	--	--
		6/8/2021	21.70	22.40	0.70	-0.05	--	--
		8/5/2021	20.65	21.70	1.05	0.35	--	--
		9/21/2021	20.18	20.43	0.25	-0.80	--	--
		12/2/2021	20.98	21.44	0.46	0.21	--	--
		3/23/2022	21.24	21.74	0.50	0.04	--	--
		6/1/2022	21.68	21.98	0.30	-0.20	--	--
		9/28/2022	21.63	22.45	0.82	0.52	--	--
		12/7/2022	21.58	22.15	0.57	-0.25	--	--
		2/23/2023	21.62	22.84	1.22	0.65	--	30.19
		8/14/2023	22.06	23.59	1.53	0.31	--	--
		10/18/2023	20.97	21.32	0.35	-1.18	--	--
		2/12/2024	21.75	22.58	0.83	0.48	--	--
		5/1/2024	22.09	23.07	0.98	0.15	--	--
		9/9/2024	22.42	23.32	0.90	-0.08	--	--
		11/18/2024	22.09	22.75	0.66	-0.24	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-66	Unknown	7/26/2012	20.84	21.38	0.54	--	--	30.37
		12/20/2012	20.85	21.37	0.52	-0.02	--	--
		6/19/2013	20.92	21.53	0.61	0.09	--	--
		12/12/2013	19.68	22.44	2.76	2.15	--	--
		6/26/2014	19.56	22.58	3.02	0.26	--	--
		12/18/2014	19.70	21.85	2.15	-0.87	--	--
		3/18/2015	20.34	22.57	2.23	0.08	--	--
		6/8/2015	20.01	21.97	1.96	-0.27	--	--
		9/15/2015	20.82	21.32	0.50	-1.46	--	--
		12/16/2015	20.53	21.83	1.30	0.80	--	--
		6/6/2016	21.01	21.36	0.35	-0.95	--	--
		9/25/2016	19.05	19.30	0.25	-0.10	--	--
		10/28/2016	19.91	21.20	1.29	1.04	--	--
		12/11/2016	20.24	21.92	1.68	0.39	--	--
		1/21/2017	20.60	21.40	0.80	-0.88	--	--
		2/19/2017	20.75	20.99	0.24	-0.56	--	--
		3/14/2017	20.84	21.15	0.31	0.07	--	--
		4/20/2017	20.95	21.25	0.30	-0.01	--	--
		6/6/2017	20.84	21.32	0.48	0.18	--	--
		9/19/2017	20.10	20.32	0.22	-0.26	--	--
		12/6/2017	20.55	22.30	1.75	1.53	--	--
		1/24/2018	20.82	21.62	0.80	-0.95	--	--
		2/21/2018	20.95	21.35	0.40	-0.40	--	--
		3/15/2018	20.98	21.27	0.29	-0.11	--	--
		6/6/2018	21.13	21.73	0.60	0.31	--	--
		7/17/2018	21.34	21.68	0.34	-0.26	--	--
		9/24/2018	20.55	20.66	0.11	-0.23	--	--
		10/10/2018	20.79	20.86	0.07	-0.04	--	--
		12/11/2018	20.40	21.80	1.40	1.33	--	--
		1/23/2019	20.80	21.35	0.55	-0.85	--	--
		3/13/2019	21.00	21.35	0.35	-0.20	--	--
		6/26/2019	21.33	21.83	0.50	0.15	--	--
		9/21/2019	21.48	21.85	0.37	-0.13	--	--
		12/3/2019	21.10	21.55	0.45	0.08	--	--
		3/12/2020	20.60	21.22	0.62	0.17	--	--
		5/20/2020	21.21	21.68	0.47	-0.15	--	--
		6/18/2020	21.42	22.07	0.65	0.18	--	--
		8/13/2020	20.62	21.82	1.20	0.55	--	--
		9/15/2020	21.70	22.80	1.10	-0.10	--	--
		11/12/2020	21.92	22.81	0.89	-0.21	--	--
		12/2/2020	21.98	23.66	1.68	0.79	--	--
		3/24/2021	22.00	23.32	1.32	-0.36	--	--
		6/8/2021	21.98	22.98	1.00	-0.32	--	--
		8/5/2021	21.38	22.10	0.72	-0.28	--	--
		9/21/2021	--	21.02	--	-0.72	--	--
		12/2/2021	21.63	22.07	0.44	0.44	--	--
		3/23/2022	21.03	22.20	1.17	0.73	--	--
		6/1/2022	22.38	22.93	0.55	-0.62	--	--
		9/28/2022	21.83	22.19	0.36	-0.19	--	--
		12/7/2022	22.10	23.40	1.30	0.94	--	--
		2/23/2023	22.22	24.00	1.78	0.48	--	30.70
		8/14/2023	22.70	24.63	1.93	0.15	--	--
		10/18/2023	21.63	22.02	0.39	-1.54	--	--
		2/12/2024	22.33	23.98	1.65	1.26	--	--
		5/1/2024	22.64	24.27	1.63	-0.02	--	--
		9/9/2024	23.02	24.54	1.52	-0.11	--	--
		11/18/2024	22.68	23.90	1.22	-0.30	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-67	Unknown	7/26/2012	20.11	20.85	0.74	--	--	26.50
		12/20/2012	20.07	21.04	0.97	0.23	--	--
		6/19/2013	20.18	21.37	1.19	0.22	--	--
		12/12/2013	19.21	20.08	0.87	-0.32	--	--
		6/26/2014	19.12	20.23	1.11	0.24	--	--
		12/18/2014	19.27	19.97	0.70	-0.41	--	--
		3/18/2015	19.90	20.43	0.53	-0.17	--	--
		6/8/2015	19.57	19.86	0.29	-0.24	--	--
		9/15/2015	20.17	20.30	0.13	-0.16	--	--
		12/16/2015	20.01	20.07	0.06	-0.07	--	--
		6/6/2016	20.39	20.40	0.01	-0.05	--	--
		9/25/2016	--	21.59	--	-0.01	--	--
		10/28/2016	--	21.57	--	0.00	--	--
		12/11/2016	19.78	20.08	0.30	0.30	--	--
		1/21/2017	19.95	20.23	0.28	-0.02	--	--
		2/19/2017	20.07	20.27	0.20	-0.08	--	--
		3/14/2017	20.12	20.30	0.18	-0.02	--	--
		4/20/2017	20.25	20.40	0.15	-0.03	--	--
		6/6/2017	20.28	20.30	0.02	-0.13	--	--
		9/19/2017	19.40	19.52	0.12	0.10	--	--
		12/6/2017	20.02	20.43	0.41	0.29	--	--
		1/24/2018	20.20	20.40	0.20	-0.21	--	--
		2/21/2018	--	20.54	--	-0.20	--	--
		3/15/2018	22.30	22.32	0.02	0.02	--	--
		6/6/2018	--	Dry	--	-0.02	--	--
		7/17/2018	--	Dry	--	0.00	--	--
		9/24/2018	--	Dry	--	0.00	--	--
		10/10/2018	--	Dry	--	0.00	--	--
		12/11/2018	19.85	19.90	0.05	0.05	--	--
		3/13/2019	--	Dry	--	-0.05	--	--
		6/26/2019	20.60	20.88	0.28	0.28	--	--
		9/21/2019	20.62	21.24	0.62	0.34	--	--
		12/3/2019	20.40	20.85	0.45	-0.17	--	--
		3/12/2020	19.83	20.04	0.21	-0.24	--	--
		5/20/2020	20.58	21.00	0.42	0.21	--	--
		6/18/2020	20.67	21.50	0.83	0.41	--	--
		8/13/2020	20.83	22.20	1.37	0.54	--	--
		9/15/2020	20.98	22.94	1.96	0.59	--	--
		11/12/2020	21.15	22.45	1.30	-0.66	--	--
		12/2/2020	21.20	22.95	1.75	0.45	--	--
		3/24/2021	21.34	22.50	1.16	-0.59	--	--
		6/8/2021	21.38	22.80	1.42	0.26	--	--
		8/5/2021	20.80	20.92	0.12	-1.30	--	--
		9/21/2021	20.22	20.24	0.02	-0.10	--	--
		12/2/2021	20.95	21.20	0.25	0.23	--	--
		3/23/2022	21.38	22.04	0.66	0.41	--	--
		6/1/2022	21.64	22.07	0.43	-0.23	--	--
		9/28/2022	21.60	22.40	0.80	0.37	--	--
		12/7/2022	21.48	22.20	0.72	-0.08	--	--
		2/23/2023	21.62	22.68	1.06	0.34	--	26.80
		8/14/2023	22.18	22.75	0.57	-0.49	--	--
		10/18/2023	20.56	21.02	0.46	-0.11	--	--
		2/12/2024	21.81	22.18	0.37	-0.09	--	--
		5/1/2024	22.14	22.47	0.33	-0.04	--	--
		9/9/2024	22.52	22.85	0.33	0.00	--	--
		11/18/2024	22.05	22.16	0.11	-0.22	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-80	Unknown	7/26/2012	18.53	19.27	--	--	--	27.09
		12/20/2012	18.55	19.33	0.78	0.04	--	--
		6/19/2013	18.60	19.63	1.03	0.25	--	--
		12/12/2013	17.68	18.65	0.97	-0.06	--	--
		6/26/2014	17.59	18.60	1.01	0.04	--	--
		12/18/2014	17.45	18.62	1.17	0.16	--	--
		3/18/2015	18.29	19.02	0.73	-0.44	--	--
		6/8/2015	17.95	18.45	0.50	-0.23	--	--
		9/15/2015	18.53	19.00	0.47	-0.03	--	--
		12/16/2015	18.38	18.66	0.28	-0.19	--	--
		6/6/2016	18.81	18.82	0.01	-0.27	--	--
		9/25/2016	--	16.97	--	-0.01	--	--
		10/28/2016	17.95	17.96	0.01	0.01	--	--
		12/11/2016	--	18.18	--	-0.01	--	--
		1/21/2017	--	18.38	--	0.00	--	--
		2/19/2017	--	18.58	--	0.00	--	--
		3/14/2017	18.54	18.62	0.08	0.08	--	--
		4/20/2017	18.65	18.80	0.15	0.07	--	--
		6/6/2017	19.02	19.40	0.38	0.23	--	--
		9/19/2017	17.70	17.88	0.18	-0.20	--	--
		12/6/2017	18.40	18.70	0.30	0.12	--	--
		1/24/2018	18.45	18.88	0.43	0.13	--	--
		2/21/2018	18.65	18.95	0.30	-0.13	--	--
		3/15/2018	18.55	18.96	0.41	0.11	--	--
		6/6/2018	18.70	19.04	0.34	-0.07	--	--
		7/17/2018	18.85	19.33	0.48	0.14	--	--
		9/24/2018	18.30	18.55	0.25	-0.23	--	--
		10/10/2018	18.30	18.70	0.40	0.15	--	--
		12/11/2018	18.10	18.55	0.45	0.05	--	--
		3/13/2019	18.70	19.00	0.30	-0.15	--	--
		6/26/2019	18.90	19.00	0.10	-0.20	--	--
		9/21/2019	19.00	19.10	0.10	0.00	--	--
		12/3/2019	--	18.88	--	-0.10	--	--
		3/12/2020	--	18.25	--	0.00	--	--
		5/20/2020	--	18.88	--	0.00	--	--
		6/18/2020	--	19.05	--	0.00	--	--
		9/15/2020	--	19.50	--	0.00	--	--
		12/2/2020	--	18.97	--	0.00	--	--
		3/24/2021	--	19.80	--	0.00	--	--
		6/8/2021	--	20.00	--	0.00	--	--
		8/5/2021	--	20.01	--	0.00	--	--
		9/21/2021	--	18.62	--	0.00	--	--
		12/2/2021	--	19.02	--	0.00	--	--
		3/23/2022	--	19.80	--	0.00	--	--
		6/1/2022	--	20.12	--	0.00	--	--
		9/28/2022	--	18.86	--	0.00	--	--
		12/7/2022	--	19.02	--	0.00	--	--
		2/23/2023	19.91	20.00	0.09	0.09	--	27.73
		8/14/2023	20.41	20.61	0.20	0.11	--	--
		10/18/2023	--	19.10	--	-0.20	--	--
		2/12/2024	20.01	20.15	0.14	0.14	--	--
		5/1/2024	20.31	20.52	0.21	0.07	--	--
		9/9/2024	20.64	20.81	0.17	-0.04	--	--
		11/18/2024	20.30	20.34	0.04	-0.13	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-88	Unknown	7/26/2012	24.56	24.93	0.37	--	--	31.49
		12/20/2012	24.56	24.90	0.34	-0.03	--	--
		6/19/2013	24.68	25.18	0.50	0.16	--	--
		12/12/2013	23.77	24.29	0.52	0.02	--	--
		6/26/2014	23.57	24.02	0.45	-0.07	--	--
		12/18/2014	23.58	23.98	0.40	-0.05	--	--
		3/18/2015	24.29	24.62	0.33	-0.07	--	--
		6/9/2015	24.04	24.29	0.25	-0.08	--	--
		9/15/2015	24.50	24.60	0.10	-0.15	--	--
		12/16/2015	--	24.38	--	-0.10	--	--
		6/6/2016	--	24.94	--	0.00	--	--
		9/25/2016	--	22.75	--	0.00	--	--
		10/28/2016	--	23.74	--	0.00	--	--
		12/11/2016	--	Dry	--	0.00	--	--
		1/21/2017	--	Dry	--	0.00	--	--
		2/19/2017	--	24.45	--	0.00	--	--
		3/14/2017	--	25.15	--	0.00	--	--
		4/20/2017	--	Dry	--	0.00	--	--
		6/6/2017	--	24.68	--	0.00	--	--
		9/19/2017	--	23.88	--	0.00	--	--
		12/6/2017	--	Dry	--	0.00	--	--
		1/24/2018	--	Dry	--	0.00	--	--
		2/21/2018	--	Dry	--	0.00	--	--
		3/15/2018	--	Dry	--	0.00	--	--
		6/6/2018	--	Dry	--	0.00	--	--
		7/17/2018	--	Dry	--	0.00	--	--
		9/24/2018	--	Dry	--	0.00	--	--
		10/10/2018	--	Dry	--	0.00	--	--
		12/11/2018	--	Dry	--	0.00	--	--
		3/13/2019	--	Dry	--	0.00	--	--
		6/26/2019	--	Dry	--	0.00	--	--
		9/21/2019	--	Dry	--	0.00	--	--
		12/3/2019	--	Dry	--	0.00	--	--
		3/12/2020	--	Dry	--	0.00	--	--
		5/20/2020	--	Dry	--	0.00	--	--
		6/18/2020	--	Dry	--	0.00	--	--
		9/15/2020	--	Dry	--	0.00	--	--
		12/2/2020	--	Dry	--	0.00	--	--
		3/24/2021	--	Dry	--	0.00	--	--
		6/8/2021	--	Dry	--	0.00	--	--
		8/5/2021	--	Dry	--	0.00	--	--
		9/21/2021	--	Dry	--	0.00	--	--
		12/2/2021	--	Dry	--	0.00	--	--
		3/23/2022	--	Dry	--	0.00	--	--
		6/1/2022	--	Dry	--	0.00	--	--
		9/28/2022	--	Dry	--	0.00	--	--
		12/7/2022	--	Dry	--	0.00	--	--
		2/23/2023	--	Dry	--	0.00	--	26.11
		8/14/2023	26.60	--[1]	0.05	0.05	--	26.65
		10/18/2023	25.46	25.50	0.04	-0.01	--	26.65
		2/12/2024	26.27	26.28	0.01	-0.03	--	--
		5/1/2024	26.57	--[1]	0.33	0.32	--	26.90
		9/9/2024	26.98	27.23	0.25	-0.08	--	--
		11/18/2024	26.51	26.52	0.01	-0.24	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-91	Unknown	7/26/2012	24.01	25.01	1.00	--	--	30.28
		12/20/2012	23.92	25.50	1.58	0.58	--	--
		6/19/2013	23.01	26.01	3.00	1.42	--	--
		12/12/2013	23.11	25.19	2.08	-0.92	--	--
		6/26/2014	22.94	24.81	1.87	-0.21	--	--
		12/18/2014	22.97	24.45	1.48	-0.39	--	--
		3/18/2015	23.68	25.08	1.40	-0.08	--	--
		6/9/2015	23.45	24.44	0.99	-0.41	--	--
		9/15/2015	24.00	24.40	0.40	-0.59	--	--
		12/16/2015	23.87	24.26	0.39	-0.01	--	--
		6/6/2016	24.22	24.69	0.47	0.08	--	--
		9/25/2016	--	22.47	--	-0.47	--	--
		10/28/2016	23.28	23.40	0.12	0.12	--	--
		12/11/2016	23.68	23.92	0.24	0.12	--	--
		1/21/2017	21.90	22.04	0.14	-0.10	--	--
		2/19/2017	23.99	24.20	0.21	0.07	--	--
		3/14/2017	24.04	24.18	0.14	-0.07	--	--
		4/20/2017	24.15	24.35	0.20	0.06	--	--
		6/6/2017	24.25	24.35	0.10	-0.10	--	--
		9/19/2017	23.30	23.40	0.10	0.00	--	--
		12/6/2017	23.98	24.40	0.42	0.32	--	--
		1/24/2018	24.10	24.35	0.25	-0.17	--	--
		2/21/2018	20.20	20.32	0.12	-0.13	--	--
		3/15/2018	--	22.95	--	-0.12	--	--
		6/6/2018	--	24.38	--	0.00	--	--
		7/17/2018	24.52	24.70	0.18	0.18	--	--
		9/24/2018	23.50	23.87	0.37	0.19	--	--
		10/10/2018	23.98	24.25	0.27	-0.10	--	--
		12/11/2018	23.85	23.98	0.13	-0.14	--	--
		3/13/2019	24.30	24.38	0.08	-0.05	--	--
		6/26/2019	24.55	24.60	0.05	-0.03	--	--
		9/21/2019	22.64	22.74	0.10	0.05	--	--
		12/3/2019	--	24.40	--	-0.10	--	--
		3/12/2020	--	23.91	--	0.00	--	--
		5/20/2020	--	24.45	--	0.00	--	--
		6/18/2020	--	24.68	--	0.00	--	--
		9/15/2020	--	25.03	--	0.00	--	--
		12/2/2020	--	24.35	--	0.00	--	--
		3/24/2021	--	25.32	--	0.00	--	--
		6/8/2021	--	23.48	--	0.00	--	--
		8/5/2021	--	Dry	--	0.00	--	--
		9/21/2021	--	24.22	--	0.00	--	--
		12/2/2021	--	Dry	--	0.00	--	--
		3/23/2022	--	Dry	--	0.00	--	--
		6/1/2022	--	Dry	--	0.00	--	--
		9/28/2022	--	Dry	--	0.00	--	--
		12/7/2022		Dry	--	0.00	--	--
		2/23/2023	--	Dry	--	0.00	--	25.40
		8/14/2023	--	Dry	--	0.00	--	25.70
		10/18/2023	--	24.75	--	0.00	--	25.70
		2/12/2024	25.62	26.00	0.38	0.38	--	--
		5/1/2024	25.91	--[1]	0.07	-0.31	--	25.98
		9/9/2024	--	Dry	--	-0.07	--	26.22
		11/18/2024	--	Dry	--	0.00	--	26.02

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BH-103	Unknown	7/26/2012	20.48	20.72	0.24	--	--	25.60
		12/20/2012	20.50	20.98	0.48	0.24	--	--
		6/19/2013	20.38	22.35	1.97	1.49	--	--
		12/12/2013	19.03	20.08	1.05	-0.92	--	--
		6/26/2014	18.97	20.94	1.97	0.92	--	--
		12/18/2014	19.18	20.04	0.86	-1.11	--	--
		3/18/2015	19.82	20.44	0.62	-0.24	--	--
		6/8/2015	19.43	20.39	0.96	0.34	--	--
		9/15/2015	20.08	20.12	0.04	-0.92	--	--
		12/16/2015	19.85	20.33	0.48	0.44	--	--
		6/6/2016	20.29	20.44	0.15	-0.33	--	--
		9/25/2016	--	18.32	--	-0.15	--	--
		10/28/2016	19.23	19.55	0.32	0.32	--	--
		12/11/2016	--	NM	--	-0.32	--	--
		1/21/2017	19.80	20.08	0.28	0.28	--	--
		2/19/2017	19.95	20.18	0.23	-0.05	--	--
		3/14/2017	--	20.04	--	-0.23	--	--
		4/20/2017	20.15	20.35	0.20	0.20	--	--
		6/6/2017	20.14	20.21	0.07	-0.13	--	--
		9/19/2017	19.25	19.35	0.10	0.03	--	--
		12/6/2017	19.85	20.58	0.73	0.63	--	--
		1/24/2018	20.02	20.78	0.76	0.03	--	--
		2/21/2018	20.10	20.61	0.51	-0.25	--	--
		3/15/2018	20.35	20.50	0.15	-0.36	--	--
		6/6/2018	20.35	20.85	0.50	0.35	--	--
		7/17/2018	21.30	22.38	1.08	0.58	--	--
		9/24/2018	19.70	20.68	0.98	-0.10	--	--
		10/10/2018	19.92	20.22	0.30	-0.68	--	--
		12/11/2018	19.73	20.30	0.57	0.27	--	--
		1/23/2019	20.03	20.73	0.70	0.13	--	--
		3/13/2019	20.25	20.75	0.50	-0.20	--	--
		6/26/2019	20.40	21.32	0.92	0.42	--	--
		9/21/2019	20.46	22.04	1.58	0.66	--	--
		12/3/2019	20.30	20.75	0.45	-1.13	--	--
		3/12/2020	19.28	19.78	0.50	0.05	--	--
		5/20/2020	20.40	20.62	0.22	-0.28	--	--
		6/18/2020	20.50	21.32	0.82	0.60	--	--
		8/13/2020	20.61	21.60	0.99	0.17	--	--
		9/15/2020	20.72	22.68	1.96	0.97	--	--
		11/12/2020	20.87	22.51	1.64	-0.32	--	--
		12/2/2020	20.94	22.20	1.26	-0.38	--	--
		3/24/2021	21.25	21.80	0.55	-0.71	--	--
		6/8/2021	21.38	21.62	0.24	-0.31	--	--
		8/5/2021	20.48	21.08	0.60	0.36	--	--
		9/21/2021	20.18	20.22	0.04	-0.56	--	--
		12/2/2021	20.82	21.02	0.20	0.16	--	--
		3/23/2022	21.19	21.85	0.66	0.46	--	--
		6/1/2022	21.38	22.10	0.72	0.06	--	--
		9/28/2022	21.19	21.87	0.68	-0.04	--	--
		12/7/2022	21.20	21.63	0.43	-0.25	--	--
		2/23/2023	21.23	23.24	2.01	1.58	--	26.85
		8/14/2023	21.73	23.77	2.04	0.03	--	--
		10/18/2023	20.62	21.59	0.97	-1.07	--	--
		2/12/2024	21.38	22.98	1.60	0.63	--	--
		5/1/2024	21.69	23.42	1.73	0.13	--	--
		9/9/2024	22.02	23.83	1.81	0.08	--	--
		11/18/2024	21.70	23.31	1.61	-0.20	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-104	Unknown	7/26/2012	20.23	21.64	1.41	--	--	24.74
		12/20/2012	20.12	22.45	2.33	0.92	--	--
		6/19/2013	20.21	22.61	2.40	0.07	--	--
		12/12/2013	19.46	20.08	0.62	-1.78	--	--
		6/26/2014	19.38	20.99	1.61	0.99	--	--
		12/18/2014	19.45	19.89	0.44	-1.17	--	--
		3/18/2015	20.21	20.38	0.17	-0.27	--	--
		6/8/2015	19.86	20.07	0.21	0.04	--	--
		9/15/2015	20.37	20.89	0.52	0.31	--	--
		12/16/2015	20.25	20.50	0.25	-0.27	--	--
		6/6/2016	20.23	22.29	2.06	1.81	--	--
		9/25/2016	17.70	17.81	0.11	-1.95	--	--
		10/28/2016	19.65	19.71	0.06	-0.05	--	--
		12/11/2016	19.98	20.03	0.05	-0.01	--	--
		1/21/2017	20.20	20.28	0.08	0.03	--	--
		2/19/2017	20.32	20.42	0.10	0.02	--	--
		3/14/2017	20.40	20.55	0.15	0.05	--	--
		4/20/2017	20.40	21.40	1.00	0.85	--	--
		6/6/2017	20.56	20.97	0.41	-0.59	--	--
		9/19/2017	19.68	19.73	0.05	-0.36	--	--
		12/6/2017	20.38	20.45	0.07	0.02	--	--
		1/24/2018	20.48	20.74	0.26	0.19	--	--
		2/21/2018	20.60	20.78	0.18	-0.08	--	--
		3/15/2018	20.48	21.04	0.56	0.38	--	--
		6/6/2018	20.58	21.08	0.50	-0.06	--	--
		7/17/2018	20.78	22.24	1.46	0.96	--	--
		9/24/2018	20.05	20.45	0.40	-1.06	--	--
		10/10/2018	20.30	20.70	0.40	0.00	--	--
		12/11/2018	20.12	20.50	0.38	-0.02	--	--
		3/13/2019	21.40	23.15	1.75	1.37	--	--
		6/26/2019	20.78	21.12	0.34	-1.41	--	--
		9/21/2019	21.05	21.18	0.13	-0.21	--	--
		12/3/2019	20.65	21.06	0.41	0.28	--	--
		3/12/2020	20.22	20.65	0.43	0.02	--	--
		5/20/2020	20.78	21.24	0.46	0.03	--	--
		6/18/2020	20.98	21.45	0.47	0.01	--	--
		8/13/2020	21.20	21.84	0.64	0.17	--	--
		9/15/2020	21.35	21.68	0.33	-0.31	--	--
		11/12/2020	21.53	21.68	0.15	-0.18	--	--
		12/2/2020	21.70	22.02	0.32	0.17	--	--
		3/24/2021	21.72	22.05	0.33	0.01	--	--
		6/8/2021	21.80	22.00	0.20	-0.13	--	--
		8/5/2021	20.95	21.43	0.48	0.28	--	--
		9/21/2021	--	20.58	--	-0.48	--	--
		12/2/2021	21.25	21.30	0.05	0.05	--	--
		3/23/2022	21.69	21.75	0.06	0.01	--	--
		6/1/2022	Trace	21.94	--	-0.06	--	--
		9/28/2022	21.86	21.87	0.01	0.01	--	--
		12/7/2022	21.75	22.11	0.36	0.35	--	--
		2/23/2023	21.88	22.37	0.49	0.13	--	26.26
		8/14/2023	22.33	23.04	0.71	0.22	--	--
		10/18/2023	--	21.50	--	-0.71	--	--
		2/12/2024	22.02	22.15	0.13	0.13	--	--
		5/1/2024	22.34	22.61	0.27	0.14	--	--
		9/9/2024	22.61	23.42	0.81	0.54	--	--
		11/18/2024	22.26	22.88	0.62	-0.19	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-107	Unknown	7/26/2012	21.21	21.50	0.29	--	--	26.77
		12/20/2012	21.23	21.81	0.58	0.29	--	--
		6/19/2013	20.28	21.35	1.07	0.49	--	--
		12/12/2013	20.45	20.82	0.37	-0.70	--	--
		6/26/2014	20.28	21.23	0.95	0.58	--	--
		12/18/2014	20.21	20.31	0.10	-0.85	--	--
		3/18/2015	21.43	22.05	0.62	0.52	--	--
		6/8/2015	20.67	20.95	0.28	-0.34	--	--
		9/15/2015	21.10	22.25	1.15	0.87	--	--
		12/16/2015	20.89	22.18	1.29	0.14	--	--
		6/6/2016	21.28	22.34	1.06	-0.23	--	--
		9/25/2016	19.40	20.30	0.90	-0.16	--	--
		10/28/2016	20.40	20.44	0.04	-0.86	--	--
		12/11/2016	20.84	20.95	0.11	0.07	--	--
		1/21/2017	21.02	21.27	0.25	0.14	--	--
		2/19/2017	21.14	21.37	0.23	-0.02	--	--
		3/14/2017	21.15	21.62	0.47	0.24	--	--
		4/20/2017	21.22	21.98	0.76	0.29	--	--
		6/6/2017	21.30	21.70	0.40	-0.36	--	--
		9/19/2017	--	20.45	--	-0.40	--	--
		12/6/2017	--	21.10	--	0.00	--	--
		1/24/2018	21.25	21.78	0.53	0.53	--	--
		2/21/2018	21.30	21.77	0.47	-0.06	--	--
		3/15/2018	21.34	21.68	0.34	-0.13	--	--
		6/6/2018	21.51	21.55	0.04	-0.30	--	--
		7/17/2018	21.70	21.92	0.22	0.18	--	--
		9/24/2018	20.93	20.99	0.06	-0.16	--	--
		10/10/2018	21.15	21.17	0.02	-0.04	--	--
		12/11/2018	20.98	20.99	0.01	-0.01	--	--
		3/13/2019	21.40	21.95	0.55	0.54	--	--
		6/26/2019	--	21.70	--	-0.55	--	--
		9/21/2019	21.80	22.00	0.20	0.20	--	--
		12/3/2019	21.50	21.85	0.35	0.15	--	--
		3/12/2020	--	21.38	--	-0.35	--	--
		5/20/2020	22.20	22.28	0.08	0.08	--	--
		6/18/2020	22.38	22.60	0.22	0.14	--	--
		9/15/2020	22.58	23.47	0.89	0.67	--	--
		11/12/2020	22.22	22.65	0.43	-0.46	--	--
		12/2/2020	22.08	23.28	1.20	0.77	--	--
		3/24/2021	22.40	23.18	0.78	-0.42	--	--
		6/8/2021	22.40	23.58	1.18	0.40	--	--
		8/5/2021	21.60	22.40	0.80	-0.38	--	--
		9/21/2021	--	21.32	--	-0.80	--	--
		12/2/2021	21.97	22.05	0.08	0.08	--	--
		3/23/2022	22.42	22.62	0.20	0.12	--	--
		6/1/2022	22.89	23.10	0.21	0.01	--	--
		9/28/2022	22.49	23.08	0.59	0.38	--	--
		12/7/2022	23.10	23.52	0.42	-0.17	--	--
		2/23/2023	22.46	23.77	1.31	0.89	--	26.88
		8/14/2023	23.00	24.18	1.18	-0.13	--	--
		10/18/2023	22.20	22.72	0.52	-0.66	--	--
		2/12/2024	22.67	23.27	0.60	0.08	--	--
		5/1/2024	23.01	23.69	0.68	0.08	--	--
		9/9/2024	23.27	24.37	1.10	0.42	--	--
		11/18/2024	22.93	23.81	0.88	-0.22	--	--

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Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-111	Unknown	7/26/2012	21.36	22.90	1.54	--	--	27.14
		12/20/2012	21.38	23.19	1.81	0.27	--	--
		6/19/2013	21.48	23.52	2.04	0.23	--	--
		12/12/2013	20.73	21.63	0.90	-1.14	--	--
		6/26/2014	20.65	21.42	0.77	-0.13	--	--
		12/18/2014	20.61	20.96	0.35	-0.42	--	--
		3/18/2015	21.21	22.30	1.09	0.74	--	--
		6/8/2015	20.94	21.71	0.77	-0.32	--	--
		9/15/2015	21.36	23.00	1.64	0.87	--	--
		12/16/2015	21.26	22.30	1.04	-0.60	--	--
		6/6/2016	21.48	23.53	2.05	1.01	--	--
		9/25/2016	19.78	20.02	0.24	-1.81	--	--
		10/28/2016	20.67	21.24	0.57	0.33	--	--
		12/11/2016	21.10	21.80	0.70	0.13	--	--
		1/21/2017	21.25	22.37	1.12	0.42	--	--
		2/19/2017	21.35	22.60	1.25	0.13	--	--
		3/14/2017	21.38	22.62	1.24	-0.01	--	--
		4/20/2017	21.47	22.93	1.46	0.22	--	--
		6/6/2017	21.48	23.00	1.52	0.06	--	--
		9/19/2017	20.78	21.05	0.27	-1.25	--	--
		12/6/2017	21.38	22.28	0.90	0.63	--	--
		1/24/2018	21.48	22.88	1.40	0.50	--	--
		2/21/2018	21.50	22.92	1.42	0.02	--	--
		3/15/2018	21.53	22.95	1.42	0.00	--	--
		6/6/2018	21.64	22.58	0.94	-0.48	--	--
		7/17/2018	21.80	23.48	1.68	0.74	--	--
		9/24/2018	21.18	22.02	0.84	-0.84	--	--
		10/10/2018	21.30	22.23	0.93	0.09	--	--
		12/11/2018	21.11	22.20	1.09	0.16	--	--
		1/23/2019	21.48	21.74	0.26	-0.83	--	--
		3/13/2019	21.60	22.90	1.30	1.04	--	--
		6/26/2019	21.90	23.08	1.18	-0.12	--	--
		9/21/2019	22.04	23.00	0.96	-0.22	--	--
		12/3/2019	21.72	23.07	1.35	0.39	--	--
		3/12/2020	21.30	21.82	0.52	-0.83	--	--
		5/20/2020	21.80	22.80	1.00	0.48	--	--
		6/18/2020	22.08	22.80	0.72	-0.28	--	--
		8/13/2020	22.32	23.21	0.89	0.17	--	--
		9/15/2020	22.38	23.47	1.09	0.20	--	--
		11/12/2020	22.58	23.37	0.79	-0.30	--	--
		12/2/2020	22.02	23.62	1.60	0.81	--	--
		3/24/2021	22.80	23.37	0.57	-1.03	--	--
		6/8/2021	22.84	23.90	1.06	0.49	--	--
		8/5/2021	22.03	22.44	0.41	-0.65	--	--
		9/21/2021	--	21.62	--	-0.41	--	--
		12/2/2021	22.30	22.48	0.18	0.18	--	--
		3/23/2022	22.75	22.95	0.20	0.02	--	--
		6/1/2022	23.00	23.15	0.15	-0.05	--	--
		9/28/2022	22.91	23.17	0.26	0.11	--	--
		12/7/2022	22.90	23.24	0.34	0.08	--	--
		2/23/2023	22.92	23.68	0.76	0.42	--	27.22
		8/14/2023	23.37	24.59	1.22	0.46	--	--
		10/18/2023	21.75	21.81	0.06	-1.16	--	--
		2/12/2024	23.07	23.18	0.11	0.05	--	--
		5/1/2024	23.34	24.13	0.79	0.68	--	--
		9/9/2024	23.67	24.65	0.98	0.19	--	--
		11/18/2024	22.35	24.00	1.65	0.67	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
BH-114	Unknown	7/26/2012	20.85	21.29	0.44	--	--	27.44
		12/20/2012	20.66	22.55	1.89	1.45	--	--
		6/19/2013	20.73	23.05	2.32	0.43	--	--
		12/12/2013	20.10	20.50	0.40	-1.92	--	--
		6/26/2014	20.00	20.40	0.40	0.00	--	--
		12/18/2014	19.91	19.98	0.07	-0.33	--	--
		3/18/2015	21.00	21.01	0.01	-0.06	--	--
		6/8/2015	20.27	20.65	0.38	0.37	--	--
		9/15/2015	20.78	21.42	0.64	0.26	--	--
		12/16/2015	20.63	21.10	0.47	-0.17	--	--
		6/6/2016	20.84	22.39	1.55	1.08	--	--
		9/25/2016	18.93	19.18	0.25	-1.30	--	--
		10/28/2016	19.98	20.23	0.25	0.00	--	--
		12/11/2016	20.48	20.60	0.12	-0.13	--	--
		1/21/2017	20.65	20.85	0.20	0.08	--	--
		2/19/2017	20.80	21.08	0.28	0.08	--	--
		3/14/2017	21.84	22.08	0.24	-0.04	--	--
		4/20/2017	20.92	21.38	0.46	0.22	--	--
		6/6/2017	21.02	21.38	0.36	-0.10	--	--
		9/19/2017	17.03	17.24	0.21	-0.15	--	--
		12/6/2017	--	20.78	--	-0.21	--	--
		1/24/2018	20.90	21.40	0.50	0.50	--	--
		2/21/2018	20.95	21.55	0.60	0.10	--	--
		3/15/2018	21.49	21.68	0.19	-0.41	--	--
		6/6/2018	21.28	21.48	0.20	0.01	--	--
		7/17/2018	21.20	22.28	1.08	0.88	--	--
		9/24/2018	20.54	21.03	0.49	-0.59	--	--
		10/10/2018	20.77	21.03	0.26	-0.23	--	--
		12/11/2018	20.60	20.74	0.14	-0.12	--	--
		3/13/2019	21.05	21.75	0.70	0.56	--	--
		6/26/2019	21.30	21.98	0.68	-0.02	--	--
		9/21/2019	21.41	21.92	0.51	-0.17	--	--
		12/3/2019	21.15	21.30	0.15	-0.36	--	--
		3/12/2020	20.80	21.09	0.29	0.14	--	--
		5/20/2020	20.98	21.25	0.27	-0.02	--	--
		6/18/2020	21.38	21.72	0.34	0.07	--	--
		8/13/2020	21.63	21.84	0.21	-0.13	--	--
		9/15/2020	21.75	22.14	0.39	0.18	--	--
		11/12/2020	21.90	22.09	0.19	-0.20	--	--
		12/2/2020	21.90	22.02	0.12	-0.07	--	--
		3/24/2021	22.10	22.17	0.07	-0.05	--	--
		6/8/2021	22.18	22.44	0.26	0.19	--	--
		8/5/2021	--	21.38	--	-0.26	--	--
		9/21/2021	--	20.78	--	0.00	--	--
		12/2/2021	--	21.65	--	0.00	--	--
		3/23/2022	--	22.05	--	0.00	--	--
		6/1/2022	Trace	22.38	--	0.00	--	--
		9/28/2022	22.18	22.22	0.04	0.04	--	--
		12/7/2022	--	22.20	--	-0.04	--	--
		2/23/2023	--	22.25	--	0.00	--	27.55
		8/14/2023	22.77	22.81	0.04	0.04	--	--
		10/18/2023	--	21.39	--	-0.04	--	--
		2/12/2024	--	22.31	--	0.00	--	27.55
		5/1/2024	--	22.66	--	0.00	--	27.55
		9/9/2024	--	22.98	--	0.00	--	27.54
		11/18/2024	--	22.63	--	0.00	--	27.57

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-2	Unknown	6/19/2013	19.42	19.62	0.20	--	--	35.20
		12/12/2013	17.64	18.50	0.86	0.66	--	--
		6/26/2014	17.63	17.76	0.13	-0.73	--	--
		12/18/2014	17.60	17.80	0.20	0.07	--	--
		3/18/2015	18.25	18.60	0.35	0.15	--	--
		6/8/2015	17.94	18.42	0.48	0.13	--	--
		9/15/2015	18.40	18.99	0.59	0.11	--	--
		12/16/2015	18.25	18.87	0.62	0.03	--	--
		6/6/2016	18.65	19.44	0.79	0.17	--	--
		9/25/2016	16.70	16.95	0.25	-0.54	--	--
		10/28/2016	17.61	17.80	0.19	-0.06	--	--
		12/11/2016	18.10	18.19	0.09	-0.10	--	--
		1/21/2017	18.30	18.38	0.08	-0.01	--	--
		2/19/2017	18.40	18.50	0.10	0.02	--	--
		3/14/2017	18.48	18.52	0.04	-0.06	--	--
		4/20/2017	18.55	18.68	0.13	0.09	--	--
		6/6/2017	18.57	18.67	0.10	-0.03	--	--
		9/19/2017	--	17.70	--	-0.10	--	--
		12/6/2017	--	18.40	--	0.00	--	--
		1/24/2018	18.58	18.70	0.12	0.12	--	--
		2/21/2018	--	18.75	--	-0.12	--	--
		3/15/2018	--	18.60	--	0.00	--	--
		6/6/2018	--	20.46	--	0.00	--	--
		7/17/2018	19.01	19.02	0.01	0.01	--	--
		9/24/2018	18.20	18.28	0.08	0.07	--	--
		10/10/2018	18.41	18.42	0.01	-0.07	--	--
		12/11/2018	18.20	18.28	0.08	0.07	--	--
		3/13/2019	--	18.70	--	-0.08	--	--
		6/26/2019	18.95	19.00	0.05	0.05	--	--
		9/21/2019	--	19.08	--	-0.05	--	--
		12/3/2019	--	18.75	--	0.00	--	--
		3/12/2020	--	18.72	--	0.00	--	--
		5/20/2020	--	18.80	--	0.00	--	--
		6/18/2020	18.04	18.84	0.80	0.80	--	--
		9/15/2020	19.20	19.28	0.08	-0.72	--	--
		11/12/2020	--	19.65	--	-0.08	--	--
		12/2/2020	--	18.75	--	0.00	--	--
		3/24/2021	--	19.04	--	0.00	--	--
		6/8/2021	--	19.80	--	0.00	--	--
		8/5/2021	--	19.69	--	0.00	--	--
		9/21/2021	--	18.28	--	0.00	--	--
		12/2/2021	--	19.22	--	0.00	--	--
		3/23/2022	--	19.65	--	0.00	--	--
		6/1/2022	--	19.92	--	0.00	--	--
		9/28/2022	--	19.84	--	0.00	--	--
		12/7/2022	--	19.97	--	0.00	--	--
		2/23/2023	19.92	20.17	0.25	0.25	--	33.75
		8/14/2023	20.43	20.55	0.12	-0.13	--	--
		10/18/2023	19.15	19.36	0.21	0.09	--	--
		2/12/2024	20.02	20.05	0.03	-0.18	--	--
		5/1/2024	20.33	20.52	0.19	0.16		--
		9/9/2024	20.65	21.01	0.36	0.17	--	--
		11/18/2024	20.32	20.48	0.16	-0.20		--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-3	Unknown	6/19/2013	19.10	20.02	0.92	--	--	34.98
		12/12/2013	17.44	18.26	0.82	-0.10	--	--
		6/26/2014	17.92	17.99	0.07	-0.75	--	--
		12/18/2014	17.39	17.45	0.06	-0.01	--	--
		3/18/2015	18.03	18.30	0.27	0.21	--	--
		6/8/2015	17.64	18.06	0.42	0.15	--	--
		9/15/2015	18.15	19.06	0.91	0.49	--	--
		12/16/2015	18.01	18.80	0.79	-0.12	--	--
		6/6/2016	18.33	19.43	1.10	0.31	--	--
		9/25/2016	16.42	17.00	0.58	-0.52	--	--
		10/28/2016	17.54	17.74	0.20	-0.38	--	--
		12/11/2016	17.90	18.02	0.12	-0.08	--	--
		1/21/2017	18.08	18.15	0.07	-0.05	--	--
		2/19/2017	18.22	18.32	0.10	0.03	--	--
		3/14/2017	18.24	18.38	0.14	0.04	--	--
		4/20/2017	18.35	18.50	0.15	0.01	--	--
		6/6/2017	18.39	18.50	0.11	-0.04	--	--
		9/19/2017	--	17.48	--	-0.11	--	--
		12/6/2017	--	18.18	--	0.00	--	--
		1/24/2018	18.32	18.50	0.18	0.18	--	--
		2/21/2018	--	18.72	--	-0.18	--	--
		3/15/2018	18.38	18.61	0.23	0.23	--	--
		6/6/2018	--	20.42	--	-0.23	--	--
		7/17/2018	17.63	17.64	0.01	0.01	--	--
		9/24/2018	17.87	18.18	0.31	0.30	--	--
		10/10/2018	18.18	18.23	0.05	-0.26	--	--
		12/11/2018	17.60	17.70	0.10	0.05	--	--
		3/13/2019	18.45	18.90	0.45	0.35	--	--
		6/26/2019	18.70	18.95	0.25	-0.20	--	--
		9/21/2019	18.85	18.98	0.13	-0.12	--	--
		12/3/2019	18.50	18.62	0.12	-0.01	--	--
		3/12/2020	--	18.02	--	-0.12	--	--
		5/20/2020	--	18.63	--	0.00	--	--
		6/18/2020	18.80	18.92	0.12	0.12	--	--
		9/15/2020	--	19.20	--	-0.12	--	--
		12/2/2020	--	18.54	--	0.00	--	--
		3/24/2021	--	19.64	--	0.00	--	--
		6/8/2021	--	19.70	--	0.00	--	--
		8/5/2021	--	19.45	--	0.00	--	--
		9/21/2021	--	18.33	--	0.00	--	--
		12/2/2021	--	19.54	--	0.00	--	--
		3/23/2022	--	19.92	--	0.00	--	--
		6/1/2022	--	20.19	--	0.00	--	--
		9/28/2022	19.63	19.65	0.02	0.02	--	--
		12/7/2022	--	20.02	--	-0.02	--	--
		2/23/2023	19.71	19.90	0.19	0.19	--	34.78
		8/14/2023	20.22	20.29	0.07	-0.12	--	--
		10/18/2023	18.95	19.10	0.15	0.08	--	--
		2/12/2024	19.82	19.83	0.01	-0.14	--	--
		5/1/2024	20.14	20.18	0.04	0.03		--
		9/9/2024	20.46	20.55	0.09	0.05	--	--
		11/18/2024	20.11	20.17	0.06	-0.03		--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-4	Unknown	6/19/2013	18.68	20.63	1.95	--	--	34.72
		12/12/2013	16.94	18.35	1.41	-0.54	--	--
		6/26/2014	16.69	18.22	1.53	0.12	--	--
		12/18/2014	16.92	17.72	0.80	-0.73	--	--
		3/18/2015	17.52	18.57	1.05	0.25	--	--
		6/8/2015	17.17	18.11	0.94	-0.11	--	--
		9/15/2015	17.85	18.20	0.35	-0.59	--	--
		12/16/2015	17.70	17.98	0.28	-0.07	--	--
		6/6/2016	17.91	19.05	1.14	0.86	--	--
		9/25/2016	16.04	16.64	0.60	-0.54	--	--
		10/28/2016	17.09	17.32	0.23	-0.37	--	--
		12/11/2016	17.45	17.65	0.20	-0.03	--	--
		1/21/2017	17.70	17.80	0.10	-0.10	--	--
		2/19/2017	17.72	17.86	0.14	0.04	--	--
		3/14/2017	17.20	17.55	0.35	0.21	--	--
		4/20/2017	17.95	18.10	0.15	-0.20	--	--
		6/6/2017	17.99	18.03	0.04	-0.11	--	--
		9/19/2017	--	17.10	--	-0.04	--	--
		12/6/2017	17.78	17.98	0.20	0.20	--	--
		1/24/2018	17.92	18.15	0.23	0.03	--	--
		2/21/2018	18.00	18.12	0.12	-0.11	--	--
		3/15/2018	18.00	18.09	0.09	-0.03	--	--
		6/6/2018	--	18.14	--	-0.09	--	--
		7/17/2018	18.07	19.20	1.13	1.13	--	--
		9/24/2018	17.58	17.93	0.35	-0.78	--	--
		10/10/2018	17.80	17.88	0.08	-0.27	--	--
		12/11/2018	17.60	17.70	0.10	0.02	--	--
		3/13/2019	18.10	18.30	0.20	0.10	--	--
		6/26/2019	18.35	18.40	0.05	-0.15	--	--
		9/21/2019	18.40	18.90	0.50	0.45	--	--
		12/3/2019	18.15	18.38	0.23	-0.27	--	--
		3/12/2020	17.60	17.82	0.22	-0.01	--	--
		5/20/2020	18.15	18.18	0.03	-0.19	--	--
		6/18/2020	18.41	18.62	0.21	0.18	--	--
		9/15/2020	18.78	19.18	0.40	0.19	--	--
		11/12/2020	19.05	19.25	0.20	-0.20	--	--
		12/2/2020	19.05	20.01	0.96	0.76	--	--
		3/24/2021	19.00	20.05	1.05	0.09	--	--
		6/8/2021	19.12	19.82	0.70	-0.35	--	--
		8/5/2021	18.40	18.62	0.22	-0.48	--	--
		9/21/2021	17.97	17.98	0.01	-0.21	--	--
		12/2/2021	20.15	20.42	0.27	0.26	--	--
		3/23/2022	--	19.18	--	-0.27	--	--
		6/1/2022	19.34	19.48	0.14	0.14	--	--
		9/28/2022	19.29	19.33	0.04	-0.10	--	--
		12/7/2022	--	19.20	--	-0.04	--	--
		2/23/2023	19.30	19.70	0.40	0.40	--	34.52
		8/14/2023	19.83	20.26	0.43	0.03	--	--
		10/18/2023	--	18.57	--	-0.43	--	--
		2/12/2024	19.41	19.64	0.23	0.23	--	--
		5/1/2024	19.74	20.05	0.31	0.08	--	--
		9/9/2024	20.08	20.30	0.22	-0.09	--	--
		11/18/2024	19.73	19.89	0.16	-0.06	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-5	Unknown	6/19/2013	17.80	20.80	3.00	--	--	35.40
		12/12/2013	16.29	18.98	2.69	-0.31	--	--
		6/26/2014	16.59	16.73	0.14	-2.55	--	--
		12/18/2014	16.60	16.68	0.08	-0.06	--	--
		3/18/2015	17.20	17.50	0.30	0.22	--	--
		6/8/2015	16.80	17.40	0.60	0.30	--	--
		9/15/2015	17.37	18.15	0.78	0.18	--	--
		12/16/2015	17.17	18.13	0.96	0.18	--	--
		6/6/2016	17.46	19.08	1.62	0.66	--	--
		9/25/2016	13.15	17.50	4.35	2.73	--	--
		10/28/2016	16.63	17.16	0.53	-3.82	--	--
		12/11/2016	17.03	17.35	0.32	-0.21	--	--
		1/21/2017	17.28	17.50	0.22	-0.10	--	--
		2/19/2017	17.72	17.86	0.14	-0.08	--	--
		3/14/2017	17.87	17.92	0.05	-0.09	--	--
		4/20/2017	17.50	17.75	0.25	0.20	--	--
		6/6/2017	17.54	17.71	0.17	-0.08	--	--
		9/19/2017	16.70	16.80	0.10	-0.07	--	--
		12/6/2017	17.35	17.55	0.20	0.10	--	--
		1/24/2018	17.47	17.88	0.41	0.21	--	--
		2/21/2018	17.55	17.88	0.33	-0.08	--	--
		3/15/2018	17.58	17.88	0.30	-0.03	--	--
		6/6/2018	17.72	17.84	0.12	-0.18	--	--
		7/17/2018	17.80	18.80	1.00	0.88	--	--
		9/24/2018	17.02	18.02	1.00	0.00	--	--
		10/10/2018	17.31	17.70	0.39	-0.61	--	--
		12/11/2018	17.15	17.40	0.25	-0.14	--	--
		3/13/2019	17.40	18.35	0.95	0.70	--	--
		6/26/2019	17.85	18.60	0.75	-0.20	--	--
		9/21/2019	18.08	18.60	0.52	-0.23	--	--
		12/3/2019	17.70	18.20	0.50	-0.02	--	--
		3/12/2020	17.02	18.62	1.60	1.10	--	--
		5/20/2020	17.60	18.04	0.44	-1.16	--	--
		6/18/2020	17.95	18.47	0.52	0.08	--	--
		8/13/2020	18.18	19.23	1.05	0.53	--	--
		9/15/2020	18.28	19.10	0.82	-0.23	--	--
		11/12/2020	18.42	19.12	0.70	-0.12	--	--
		12/2/2020	18.45	20.44	1.99	1.29	--	--
		3/24/2021	18.66	19.29	0.63	-1.36	--	--
		6/8/2021	19.80	20.03	0.23	-0.40	--	--
		8/5/2021	17.90	18.92	1.02	0.79	--	--
		9/21/2021	17.46	17.48	0.02	-1.00	--	--
		12/2/2021	19.96	20.02	0.06	0.04	--	--
		3/23/2022	18.68	18.92	0.24	0.18	--	--
		6/1/2022	18.97	19.05	0.08	-0.16	--	--
		9/28/2022	18.81	19.27	0.46	0.38	--	--
		12/7/2022	18.74	19.15	0.41	-0.05	--	--
		2/23/2023	18.76	20.18	1.42	1.01	--	34.90
		8/14/2023	19.28	20.62	1.34	-0.08	--	--
		10/18/2023	18.13	18.40	0.27	-1.07	--	--
		2/12/2024	18.89	20.15	1.26	0.99	--	--
		5/1/2024	19.34	19.64	0.30	-0.96	--	--
		9/9/2024	19.56	20.84	1.28	0.98	--	--
		11/18/2024	19.18	20.25	1.07	-0.21	--	--

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-6	Unknown	6/19/2013	20.08	20.30	0.22	--	--	33.43
		12/12/2013	16.59	16.82	0.23	0.01	--	--
		6/26/2014	16.49	16.58	0.09	-0.14	--	--
		12/18/2014	16.51	16.61	0.10	0.01	--	--
		3/18/2015	17.14	17.20	0.06	-0.04	--	--
		6/8/2015	16.77	16.90	0.13	0.07	--	--
		9/15/2015	--	17.35	--	-0.13	--	--
		12/16/2015	--	17.20	--	0.00	--	--
		6/6/2016	17.54	17.55	0.01	0.01	--	--
		9/25/2016	--	15.64	--	-0.01	--	--
		10/28/2016	--	16.62	--	0.00	--	--
		12/11/2016	--	16.95	--	0.00	--	--
		1/21/2017	--	17.18	--	0.00	--	--
		2/19/2017	17.30	17.32	0.02	0.02	--	--
		3/14/2017	--	17.33	--	-0.02	--	--
		4/20/2017	18.44	18.45	0.01	0.01	--	--
		6/6/2017	18.17	18.18	0.01	0.00	--	--
		9/19/2017	--	16.60	--	-0.01	--	--
		12/6/2017	17.18	17.20	0.02	0.02	--	--
		1/24/2018	16.90	17.02	0.12	0.10	--	--
		2/21/2018	--	18.67	--	-0.12	--	--
		3/15/2018	--	17.52	--	0.00	--	--
		6/6/2018	--	17.68	--	0.00	--	--
		7/17/2018	17.80	18.09	0.29	0.29	--	--
		9/24/2018	--	17.05	--	-0.29	--	--
		10/10/2018	17.75	17.76	0.01	0.01	--	--
		12/11/2018	17.09	17.10	0.01	0.00	--	--
		3/13/2019	--	17.60	--	-0.01	--	--
		6/26/2019	--	17.85	--	0.00	--	--
		9/21/2019	--	17.97	--	0.00	--	--
		12/3/2019	--	17.65	--	0.00	--	--
		3/12/2020	--	17.08	--	0.00	--	--
		5/20/2020	--	17.49	--	0.00	--	--
		6/18/2020	--	17.91	--	0.00	--	--
		9/15/2020	--	18.30	--	0.00	--	--
		12/2/2020	--	17.76	--	0.00	--	--
		3/24/2021	--	18.68	--	0.00	--	--
		6/8/2021	--	18.78	--	0.00	--	--
		8/5/2021	--	18.45	--	0.00	--	--
		9/21/2021	--	17.88	--	0.00	--	--
		12/2/2021	--	19.10	--	0.00	--	--
		3/23/2022	--	19.54	--	0.00	--	--
		6/1/2022	--	19.88	--	0.00	--	--
		9/28/2022	--	19.56	--	0.00	--	--
		12/7/2022	--	19.88	--	0.00	--	--
		2/23/2023	18.82	19.10	0.28	0.28	--	32.99
		8/14/2023	19.33	19.82	0.49	0.21	--	--
		10/18/2023	18.08	18.25	0.17	-0.32	--	--
		2/12/2024	18.95	19.10	0.15	-0.02	--	--
		5/1/2024	19.25	19.51	0.26	0.11	--	--
		9/9/2024	19.60	19.81	0.21	-0.05	--	--
		11/18/2024	19.23	19.44	0.21	0.00	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-7	Unknown	6/19/2013	19.40	19.41	0.01	--	--	33.20
		12/12/2013	16.10	16.12	0.02	0.01	--	--
		6/26/2014	15.92	16.35	0.43	0.41	--	--
		12/18/2014	16.04	16.14	0.10	-0.33	--	--
		3/18/2015	16.60	17.09	0.49	0.39	--	--
		6/8/2015	16.23	16.62	0.39	-0.10	--	--
		9/15/2015	16.78	17.08	0.30	-0.09	--	--
		12/16/2015	16.60	17.21	0.61	0.31	--	--
		6/6/2016	16.95	17.45	0.50	-0.11	--	--
		9/25/2016	15.29	15.61	0.32	-0.18	--	--
		10/28/2016	16.13	16.26	0.13	-0.19	--	--
		12/11/2016	16.45	16.62	0.17	0.04	--	--
		1/21/2017	16.64	16.70	0.06	-0.11	--	--
		2/19/2017	16.80	16.87	0.07	0.01	--	--
		3/14/2017	16.81	16.84	0.03	-0.04	--	--
		4/20/2017	16.95	17.00	0.05	0.02	--	--
		6/6/2017	16.98	17.00	0.02	-0.03	--	--
		9/19/2017	16.10	16.14	0.04	0.02	--	--
		12/6/2017	16.75	16.82	0.07	0.03	--	--
		1/24/2018	16.90	17.02	0.12	0.05	--	--
		2/21/2018	--	15.25	--	-0.12	--	--
		3/15/2018	--	17.25	--	0.00	--	--
		6/6/2018	--	17.15	--	0.00	--	--
		7/17/2018	--	17.20	--	0.00	--	--
		9/24/2018	--	16.52	--	0.00	--	--
		10/10/2018	16.69	16.70	0.01	0.01	--	--
		12/11/2018	16.70	16.90	0.20	0.19	--	--
		3/13/2019	--	17.05	--	-0.20	--	--
		6/26/2019	--	16.34	--	0.00	--	--
		9/21/2019	--	16.65	--	0.00	--	--
		12/3/2019	--	17.08	--	0.00	--	--
		3/12/2020	--	16.57	--	0.00	--	--
		5/20/2020	--	17.11	--	0.00	--	--
		6/18/2020	--	17.43	--	0.00	--	--
		9/15/2020	17.88	18.15	0.27	0.27	--	--
		12/2/2020	--	17.18	--	-0.27	--	--
		3/24/2021	--	18.18	--	0.00	--	--
		6/8/2021	--	18.28	--	0.00	--	--
		8/5/2021	--	18.11	--	0.00	--	--
		9/21/2021	--	17.67	--	0.00	--	--
		12/2/2021	--	18.34	--	0.00	--	--
		3/23/2022	--	18.63	--	0.00	--	--
		6/1/2022	--	18.90	--	0.00	--	--
		9/28/2022	--	18.43	--	0.00	--	--
		12/7/2022	--	18.78	--	0.00	--	--
		2/23/2023	18.40	18.45	0.05	0.05	--	33.08
		8/14/2023	18.91	18.98	0.07	0.02	--	--
		10/18/2023	--	19.64	--	-0.07	--	--
		2/12/2024	18.51	18.53	0.02	0.02	--	--
		5/1/2024	18.84	18.86	0.02	0.00	--	--
		9/9/2024	19.18	19.22	0.04	0.02	--	--
		11/18/2024	18.80	18.81	0.01	-0.03	--	33.17

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MRW-14	Unknown	6/19/2013	25.25	25.35	0.10	--	--	38.50
		12/12/2013	21.90	22.12	0.22	0.12	--	--
		6/26/2014	21.69	21.89	0.20	-0.02	--	--
		12/18/2014	21.73	21.81	0.08	-0.12	--	--
		3/18/2015	22.39	22.56	0.17	0.09	--	--
		6/8/2015	22.10	22.29	0.19	0.02	--	--
		9/15/2015	22.55	22.80	0.25	0.06	--	--
		12/16/2015	--	22.44	--	-0.25	--	--
		6/6/2016	22.81	22.93	0.12	0.12	--	--
		9/25/2016	--	19.88	--	-0.12	--	--
		10/28/2016	--	21.29	--	0.00	--	--
		12/11/2016	--	22.24	--	0.00	--	--
		1/21/2017	--	23.45	--	0.00	--	--
		2/19/2017	--	22.62	--	0.00	--	--
		3/14/2017	--	22.60	--	0.00	--	--
		4/20/2017	--	22.70	--	0.00	--	--
		6/6/2017	--	22.70	--	0.00	--	--
		9/19/2017	--	22.08	--	0.00	--	--
		12/6/2017	--	22.62	--	0.00	--	--
		1/24/2018	--	22.80	--	0.00	--	--
		2/21/2018	--	23.03	--	0.00	--	--
		3/15/2018	--	22.79	--	0.00	--	--
		6/6/2018	23.90	23.93	0.03	0.03	--	--
		7/17/2018	23.06	23.07	0.01	-0.02	--	--
		9/24/2018	Trace	22.32	--	-0.01	--	--
		10/10/2018	--	22.70	--	0.00	--	--
		12/11/2018	--	22.38	--	0.00	--	--
		3/13/2019	--	22.66	--	0.00	--	--
		6/26/2019	--	22.34	--	0.00	--	--
		9/21/2019	--	23.30	--	0.00	--	--
		12/3/2019	--	22.90	--	0.00	--	--
		3/12/2020	--	22.19	--	0.00	--	--
		5/20/2020	--	22.58	--	0.00	--	--
		6/18/2020	--	23.16	--	0.00	--	--
		9/15/2020	--	23.58	--	0.00	--	--
		12/2/2020	--	22.85	--	0.00	--	--
		3/24/2021	--	23.95	--	0.00	--	--
		6/8/2021	--	24.08	--	0.00	--	--
		8/5/2021	--	23.18	--	0.00	--	--
		9/21/2021	--	22.88	--	0.00	--	--
		12/2/2021	--	23.87	--	0.00	--	--
		3/23/2022	--	24.12	--	0.00	--	--
		6/1/2022	--	24.39	--	0.00	--	--
		9/28/2022	--	24.21	--	0.00	--	--
		12/7/2022	--	24.56	--	0.00	--	--
		2/23/2023	24.24	24.30	0.06	0.06	--	37.50
		8/14/2023	24.64	24.74	0.10	0.04	--	--
		10/18/2023	--	24.19	--	-0.10	--	--
		2/12/2024	24.33	24.42	0.09	0.09	--	--
		5/1/2024	24.62	24.72	0.10	0.01	--	--
		9/9/2024	25.03	25.12	0.09	-0.01	--	--
		11/18/2024	24.57	24.61	0.04	-0.05	--	--

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MW-1	3,670.05	7/26/2012	--	22.02	--	--	3,648.03	38.77
		12/20/2012	--	22.27	--	0.00	3,647.78	--
		6/23/2013	--	22.32	--	0.00	3,647.73	--
		12/12/2013	--	21.30	--	0.00	3,648.75	--
		6/26/2014	--	21.10	--	0.00	3,648.95	--
		12/18/2014	--	21.50	--	0.00	3,648.55	--
		3/18/2015	--	22.08	--	0.00	3,647.97	--
		6/9/2015	--	21.67	--	0.00	3,648.38	--
		12/16/2015	--	22.01	--	0.00	3,648.04	--
		6/6/2016	--	22.46	--	0.00	3,647.59	--
		12/13/2016	--	21.82	--	0.00	3,648.23	--
		6/7/2017	--	22.40	--	0.00	3,647.65	--
		12/6/2017	--	22.20	--	0.00	3,647.85	--
		3/15/2018	--	20.35	--	0.00	3,649.70	--
		6/6/2018	--	22.48	--	0.00	3,647.57	--
		9/24/2018	--	21.92	--	0.00	3,648.13	--
		12/11/2018	--	21.95	--	0.00	3,648.10	--
		3/13/2019	--	22.53	--	0.00	3,647.52	--
		6/26/2019	--	22.68	--	0.00	3,647.37	--
		9/21/2019	--	22.84	--	0.00	3,647.21	--
		12/3/2019	--	22.55	--	0.00	3,647.50	--
		3/14/2020	--	21.80	--	0.00	3,648.25	--
		6/18/2020	--	22.87	--	0.00	3,647.18	--
		9/15/2020	--	23.24	--	0.00	3,646.81	--
		12/2/2020	--	23.41	--	0.00	3,646.64	--
		3/24/2021	--	23.58	--	0.00	3,646.47	--
		6/8/2021	--	23.82	--	0.00	3,646.23	--
		9/21/2021	--	22.12	--	0.00	3,647.93	--
		12/2/2021	--	23.04	--	0.00	3,647.01	--
		3/23/2022	--	23.64	--	0.00	3,646.41	--
		6/1/2022	--	23.80	--	0.00	3,646.25	--
		9/28/2022	--	23.83	--	0.00	3,646.22	--
		12/7/2022	--	23.80	--	0.00	3,646.25	--
		2/23/2023	--	23.95	--	0.00	3,646.10	37.72
		8/14/2023	--	24.49	--	0.00	3,645.56	37.50
		10/19/2023	--	23.22	--	0.00	3,646.83	37.50
		2/12/2024	--	24.15	--	0.00	3,645.90	37.61
		5/1/2024	--	24.49	--	0.00	3,645.56	37.66
		9/9/2024	--	24.95	--	0.00	3,645.10	37.66
		11/20/2024	--	24.30	--	0.00	3,645.75	37.52

TABLE 1
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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MW-3	3,666.41	7/26/2012	--	21.72	--	--	3,644.69	37.52
		12/20/2012	--	21.75	--	0.00	3,644.66	--
		6/23/2013	--	21.10	--	0.00	3,645.31	--
		12/12/2013	--	21.10	--	0.00	3,645.31	--
		6/26/2014	--	20.97	--	0.00	3,645.44	--
		12/18/2014	--	20.55	--	0.00	3,645.86	--
		3/18/2015	--	21.42	--	0.00	3,644.99	--
		6/9/2015	--	21.14	--	0.00	3,645.27	--
		12/16/2015	--	21.48	--	0.00	3,644.93	--
		6/6/2016	--	21.86	--	0.00	3,644.55	--
		12/13/2016	--	21.27	--	0.00	3,645.14	--
		6/7/2017	--	21.83	--	0.00	3,644.58	--
		12/6/2017	--	21.58	--	0.00	3,644.83	--
		3/15/2018	--	21.17	--	0.00	3,645.24	--
		6/6/2018	--	21.98	--	0.00	3,644.43	--
		9/24/2018	--	21.43	--	0.00	3,644.98	--
		12/11/2018	--	21.54	--	0.00	3,644.87	--
		3/13/2019	--	21.90	--	0.00	3,644.51	--
		6/26/2019	--	22.11	--	0.00	3,644.30	--
		9/21/2019	--	22.25	--	0.00	3,644.16	--
		12/3/2019	--	24.95	--	0.00	3,641.46	--
		3/14/2020	--	21.33	--	0.00	3,645.08	--
		6/18/2020	--	22.14	--	0.00	3,644.27	--
		9/15/2020	--	22.82	--	0.00	3,643.59	--
		12/2/2020	--	22.85	--	0.00	3,643.56	--
		3/24/2021	--	22.77	--	0.00	3,643.64	--
		6/8/2021	--	22.97	--	0.00	3,643.44	--
		9/21/2021	--	21.65	--	0.00	3,644.76	--
		12/2/2021	--	22.33	--	0.00	3,644.08	--
		3/23/2022	--	22.80	--	0.00	3,643.61	--
		6/1/2022	--	23.00	--	0.00	3,643.41	--
		9/28/2022	--	22.89	--	0.00	3,643.52	--
		12/7/2022	--	22.81	--	0.00	3,643.60	--
		2/23/2023	--	22.95	--	0.00	3,643.46	37.80
		8/14/2023	--	23.48	--	0.00	3,642.93	37.27
		10/19/2023	--	21.10	--	0.00	3,645.31	37.27
		2/12/2024	--	22.95	--	0.00	3,643.46	37.11
		5/1/2024	--	23.34	--	0.00	3,643.07	37.14
		9/9/2024	--	23.60	--	0.00	3,642.81	37.12
		11/20/2024	--	23.29	--	0.00	3,643.12	37.09

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Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MW-5	3,670.43	7/26/2012	--	24.00	--	--	3,646.43	39.36
		12/20/2012	--	23.99	--	0.00	3,646.44	--
		6/23/2013	--	21.36	--	0.00	3,649.07	--
		12/12/2013	--	23.33	--	0.00	3,647.10	--
		6/26/2014	--	23.13	--	0.00	3,647.30	--
		12/18/2014	--	23.05	--	0.00	3,647.38	--
		3/18/2015	--	23.69	--	0.00	3,646.74	--
		6/9/2015	--	23.44	--	0.00	3,646.99	--
		12/16/2015	--	23.68	--	0.00	3,646.75	--
		6/6/2016	--	24.11	--	0.00	3,646.32	--
		12/13/2016	--	23.50	--	0.00	3,646.93	--
		6/7/2017	--	24.07	--	0.00	3,646.36	--
		12/6/2017	--	23.87	--	0.00	3,646.56	--
		3/15/2018	--	23.95	--	0.00	3,646.48	--
		6/6/2018	--	24.19	--	0.00	3,646.24	--
		9/24/2018	--	23.69	--	0.00	3,646.74	--
		12/11/2018	--	23.67	--	0.00	3,646.76	--
		3/13/2019	--	24.10	--	0.00	3,646.33	--
		6/26/2019	--	24.32	--	0.00	3,646.11	--
		9/21/2019	--	24.49	--	0.00	3,645.94	--
		12/3/2019	--	24.14	--	0.00	3,646.29	--
		3/14/2020	--	23.73	--	0.00	3,646.70	--
		6/18/2020	--	24.40	--	0.00	3,646.03	--
		9/15/2020	--	24.51	--	0.00	3,645.92	--
		12/2/2020	--	24.66	--	0.00	3,645.77	--
		3/24/2021	--	25.08	--	0.00	3,645.35	--
		6/8/2021	--	25.30	--	0.00	3,645.13	--
		9/21/2021	--	23.93	--	0.00	3,646.50	--
		12/2/2021	--	24.63	--	0.00	3,645.80	--
		3/23/2022	--	25.12	--	0.00	3,645.31	--
		6/1/2022	--	25.33	--	0.00	3,645.10	--
		9/28/2022	--	25.34	--	0.00	3,645.09	--
		12/7/2022	--	25.30	--	0.00	3,645.13	--
		2/23/2023	--	25.41	--	0.00	3,645.02	39.34
		8/14/2023	--	25.92	--	0.00	3,644.51	39.40
		10/19/2023	--	24.84	--	0.00	3,645.59	39.40
		2/12/2024	--	25.56	--	0.00	3,644.87	39.39
		5/1/2024	--	25.87		0.00	3,644.56	39.27
		9/9/2024	--	26.25	--	0.00	3,644.18	39.35
		11/18/2024	--	25.98		0.00	3,644.45	39.34

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Monument, Lea County, New Mexico

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MW-6	3,660.50	7/26/2012	--	16.42	--	--	3,644.08	32.62
		12/20/2012	--	17.50	--	0.00	3,643.00	--
		6/23/2013	--	19.78	--	0.00	3,640.72	--
		12/12/2013	--	16.80	--	0.00	3,643.70	--
		6/26/2014	--	16.63	--	0.00	3,643.87	--
		12/18/2014	--	16.10	--	0.00	3,644.40	--
		3/18/2015	--	17.11	--	0.00	3,643.39	--
		6/8/2015	--	16.76	--	0.00	3,643.74	--
		12/16/2015	--	17.18	--	0.00	3,643.32	--
		6/6/2016	--	17.58	--	0.00	3,642.92	--
		1/21/2017	--	16.92	--	0.00	3,643.58	--
		6/7/2017	--	17.54	--	0.00	3,642.96	--
		12/6/2017	--	17.21	--	0.00	3,643.29	--
		3/15/2018	--	17.50	--	0.00	3,643.00	--
		6/6/2018	--	17.72	--	0.00	3,642.78	--
		9/24/2018	--	17.12	--	0.00	3,643.38	--
		12/11/2018	--	17.12	--	0.00	3,643.38	--
		3/13/2019	--	17.63	--	0.00	3,642.87	--
		6/26/2019	--	17.81	--	0.00	3,642.69	--
		9/21/2019	--	18.01	--	0.00	3,642.49	--
		12/3/2019	--	17.68	--	0.00	3,642.82	--
		3/14/2020	--	17.16	--	0.00	3,643.34	--
		6/18/2020	--	17.88	--	0.00	3,642.62	--
		9/15/2020	--	18.24	--	0.00	3,642.26	--
		12/2/2020	--	18.39	--	0.00	3,642.11	--
		3/24/2021	--	18.51	--	0.00	3,641.99	--
		6/8/2021	--	18.79	--	0.00	3,641.71	--
		9/21/2021	--	17.38	--	0.00	3,643.12	--
		12/2/2021	--	18.03	--	0.00	3,642.47	--
		3/23/2022	--	18.48	--	0.00	3,642.02	--
		6/1/2022	--	18.74	--	0.00	3,641.76	--
		9/28/2022	--	18.51	--	0.00	3,641.99	--
		12/7/2022	--	18.40	--	0.00	3,642.10	--
		2/23/2023	--	18.51	--	0.00	3,641.99	32.21
		8/14/2023	--	19.21	--	0.00	3,641.29	32.15
		10/19/2023	--	17.43	--	0.00	3,643.07	32.15
		2/12/2024	--	18.45	--	0.00	3,642.05	32.02
		5/1/2024	--	18.93	--	0.00	3,641.57	32.11
		9/9/2024	--	19.04	--	0.00	3,641.46	32.06
		11/18/2024	--	18.77	--	0.00	3,641.73	32.08

TABLE 1
Summary of Fluid Levels
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well ID	TOC Elevation (feet)	Date Measured	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	LNAPL Thickness Change Since Previous GW Mon Event (feet)	Groundwater Level Elevation (feet)	Total Depth (feet btoc)
MW-7	3,662.47	7/26/2012	--	18.84	--	--	3,643.63	32.27
		12/20/2012	--	18.93	--	0.00	3,643.54	--
		6/23/2013	--	19.08	--	0.00	3,643.39	--
		12/12/2013	--	18.16	--	0.00	3,644.31	--
		6/26/2014	--	17.93	--	0.00	3,644.54	--
		12/18/2014	--	17.70	--	0.00	3,644.77	--
		3/18/2015	--	18.59	--	0.00	3,643.88	--
		6/9/2015	--	18.25	--	0.00	3,644.22	--
		12/16/2015	--	18.62	--	0.00	3,643.85	--
		6/6/2016	--	18.59	--	0.00	3,643.88	--
		12/13/2016	--	18.35	--	0.00	3,644.12	--
		6/7/2017	--	18.95	--	0.00	3,643.52	--
		12/6/2017	--	18.67	--	0.00	3,643.80	--
		3/15/2018	--	18.92	--	0.00	3,643.55	--
		6/6/2018	--	19.16	--	0.00	3,643.31	--
		9/24/2018	--	18.67	--	0.00	3,643.80	--
		12/11/2018	--	18.55	--	0.00	3,643.92	--
		3/13/2019	--	19.03	--	0.00	3,643.44	--
		6/26/2019	--	19.24	--	0.00	3,643.23	--
		9/21/2019	--	19.39	--	0.00	3,643.08	--
		12/3/2019	--	19.04	--	0.00	3,643.43	--
		3/14/2020	--	18.58	--	0.00	3,643.89	--
		6/18/2020	--	19.24	--	0.00	3,643.23	--
		9/15/2020	--	19.65	--	0.00	3,642.82	--
		12/2/2020	--	19.80	--	0.00	3,642.67	--
		3/24/2021	--	19.89	--	0.00	3,642.58	--
		6/8/2021	--	20.12	--	0.00	3,642.35	--
		9/21/2021	--	18.78	--	0.00	3,643.69	--
		12/2/2021	--	19.42	--	0.00	3,643.05	--
		3/23/2022	--	19.85	--	0.00	3,642.62	--
		6/1/2022	--	20.10	--	0.00	3,642.37	--
		9/28/2022	--	19.92	--	0.00	3,642.55	--
		12/7/2022	--	19.82	--	0.00	3,642.65	--
		2/23/2023	--	19.95	--	0.00	3,642.52	32.65
		8/14/2023	--	20.60	--	0.00	3,641.87	32.40
		10/19/2023	--	18.98	--	0.00	3,643.49	32.40
		2/12/2024	--	19.92	--	0.00	3,642.55	32.21
		5/1/2024	--	20.34	--	0.00	3,642.13	32.18
		9/9/2024	--	20.52	--	0.00	3,641.95	32.12
		11/20/2024	--	20.24	--	0.00	3,642.23	32.14

Notes:

2023 Q2 fluid level measurements were not collected due to oilfield atmospheric safety conditions.
(1) Only LNAPL present in well
-- = not applicable
btoc = below top of casing
GW Mon = Groundwater Monitoring
LNAPL = light non-aqueous phase liquid
TOC = top of casing

TABLE 2
Summary of Groundwater Analytical Results
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well	Sample Date	Duplicate	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
NM WQCC Groundwater Standards (mg/L)			**0.005**	**0.7**	**1**	**0.62**	**N/A**	**N/A**
MW-1	10/21/2002		<0.002	<0.002	<0.002	<0.006	--	--
	12/27/2002		<0.002	<0.002	<0.002	<0.006	--	--
	5/21/2003		<0.002	<0.002	<0.002	<0.006	--	--
	10/15/2003		<0.002	<0.002	<0.002	<0.006	--	--
	3/15/2004		<0.002	<0.002	<0.002	<0.006	--	--
	10/8/2004		<0.002	<0.002	<0.002	<0.006	--	--
	1/12/2005		<0.002	<0.002	<0.002	<0.006	--	--
	10/24/2005		<0.002	<0.002	<0.002	<0.006	--	--
	3/7/2006		<0.002	<0.002	<0.002	<0.006	--	--
	6/27/2006		<0.002	<0.002	<0.002	<0.006	--	--
	9/7/2006		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/19/2006		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/13/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/21/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	9/21/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/6/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/4/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/3/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	9/23/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/22/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/12/2009		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/23/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	9/8/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/17/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/9/2010		<0.0010	<0.0010	<0.0010	<0.0015	--	--
	6/16/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	8/30/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/6/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/18/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	6/23/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	10/7/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/8/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/18/2012		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/23/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/23/2013	FD	<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/12/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/26/2014		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/26/2014	FD	<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/11/2014		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	0.098
	6/11/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.10
	12/15/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.10
	6/7/2016		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	0.157
	12/13/2016		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.125
	6/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.104
	6/6/2017	FD	<0.0010	<0.0020	<0.0010	<0.0020	NA	NA
	12/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.202
	3/15/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0763
	3/15/2018	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0761
	6/5/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.075	<0.0751
	9/24/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.088
	12/11/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0757
	3/12/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.104
	6/26/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.094
	9/22/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.186
	12/3/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.096
	3/14/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.156
	6/18/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.147
	9/15/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.147
	12/2/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.153
	3/24/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.160
	6/8/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	9/21/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.554
	12/2/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.154
	3/23/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.154
	6/1/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.156
	9/28/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.214
	12/7/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.153
	2/23/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.164 C
	8/15/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.154
	10/19/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.152
	2/13/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.147
	5/2/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.156
	9/10/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.194
	11/20/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.186
MW-2	10/21/2002		<0.002	<0.002	<0.002	<0.006	--	--
	12/27/2002		Hydrocarbon product detected - Plugged and Abandoned 01/23/03					

TABLE 2
Summary of Groundwater Analytical Results
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well	Sample Date	Duplicate	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
NM WQCC Groundwater Standards (mg/L)			0.005	0.7	1	0.62	N/A	N/A
MW-3	10/21/2002		<0.002	<0.002	<0.002	<0.006	--	--
	12/27/2002		<0.002	<0.002	<0.002	<0.006	--	--
	5/21/2003		<0.002	<0.002	<0.002	<0.006	--	--
	10/15/2003		<0.002	<0.002	<0.002	<0.006	--	--
	3/15/2004		**0.010**	<0.002	<0.002	<0.006	--	--
	10/8/2004		**0.019**	<0.002	<0.002	<0.006	--	--
	1/12/2005		**0.043**	<0.002	<0.002	<0.006	--	--
	10/24/2005		**0.080**	<0.002	<0.002	<0.006	--	--
	3/7/2006		**0.0257**	<0.00200	<0.00200	0.0071	--	--
	6/27/2006		<0.00200	<0.00200	<0.00200	<0.00600	--	--
	9/7/2006		**0.0082**	<0.0005	<0.0005	<0.0010	--	--
	12/19/2006		**0.023**	<0.0005	<0.0005	<0.0010	--	--
	3/13/2007		**0.035**	<0.0005	<0.0005	<0.0010	--	--
	6/21/2007		0.0016	<0.0005	<0.0005	<0.0010	--	--
	9/21/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/6/2007		0.0006	<0.0005	<0.0005	<0.0010	--	--
	3/4/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/3/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	9/23/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/22/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/12/2009		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/23/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	9/8/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/17/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/9/2010		<0.0010	<0.0010	<0.0010	<0.0015	--	--
	6/16/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	8/30/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/6/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/18/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	6/23/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	10/7/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/8/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/18/2012		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/23/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/12/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/26/2014		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/11/2014		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.09
	12/11/2014	FD	<0.0010	<0.0020	<0.0010	<0.0010	0.069	<0.09
	6/11/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.09
	12/15/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.104
	6/7/2016		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.09
	12/13/2016		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.108
	6/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.092
	12/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.164
	3/15/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0758
	6/5/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0752
	6/5/2018	FD	<0.0010	<0.0020	<0.0010	<0.0020	0.070	<0.0765
	9/24/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0754
	9/24/2018	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0766
	12/11/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0758
	3/12/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0754
	6/26/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0796
	9/22/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0741
	12/3/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0744
	3/14/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.151
	6/18/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	9/15/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	12/2/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	3/24/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	6/8/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	9/21/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.554
	12/2/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.153
	3/23/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.156
	6/1/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.156
	9/28/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.180
	12/7/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.147
	2/23/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.177 C
	8/15/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.148
	10/19/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.160
	2/13/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.149
	5/2/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.155
	9/10/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.198
	11/20/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.196

TABLE 2
Summary of Groundwater Analytical Results
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well	Sample Date	Duplicate	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
NM WQCC Groundwater Standards (mg/L)			0.005	0.7	1	0.62	N/A	N/A
MW-5	12/30/2002		<0.002	<0.002	<0.002	<0.006	--	--
	5/21/2003		<0.002	<0.002	<0.002	<0.006	--	--
	10/15/2003		0.045	<0.002	<0.002	<0.006	--	--
	11/6/2003		0.070	<0.002	<0.002	<0.006	--	--
	3/16/2004		0.056	<0.002	<0.002	<0.006	--	--
	10/8/2004		0.055	<0.002	<0.002	<0.006	--	--
	1/12/2005		<0.002	<0.002	<0.002	<0.006	--	--
	10/24/2005		<0.002	<0.002	<0.002	<0.006	--	--
	3/7/2006		<0.00200	<0.00200	<0.00200	<0.00600	--	--
	6/27/2006		<0.00200	<0.00200	<0.00200	<0.00600	--	--
	9/7/2006		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/19/2006		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/13/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/21/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	9/21/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/6/2007		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/4/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/3/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	9/23/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	12/22/2008		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	3/12/2009		<0.0005	<0.0005	<0.0005	<0.0010	--	--
	6/23/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	9/8/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/17/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/9/2010		<0.0010	<0.0010	<0.0010	<0.0015	--	--
	6/16/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	8/30/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/6/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/18/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	6/23/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	10/7/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/8/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/18/2012		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/18/2012	FD	<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/23/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/12/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	6/26/2014		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/11/2014		<0.0010	<0.0020	<0.0010	<0.0010	0.0622	<0.10
	6/11/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.09
	6/11/2015	FD	<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.09
	12/15/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.104
	6/7/2016		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.106
	12/13/2016		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.105
	12/13/2016	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.08
	6/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.114
	12/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0757
	12/6/2017	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.112
	3/15/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0754
	6/5/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.070	<0.0753
	9/24/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0752
	12/11/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0755
	3/12/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0751
	3/12/2019	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0753
	6/26/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0791
	6/26/2019	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0783
	9/22/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0747
	9/22/2019	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0736
	12/3/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0790
	12/3/2019	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0794
	3/14/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.150
	3/14/2020	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	6/18/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.150
	6/18/2020	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.147
	9/15/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.262
	9/15/2020	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.308
	12/2/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	12/2/2020	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.151
	3/24/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.150
	3/24/2021	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	6/8/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	6/8/2021	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	9/21/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.554
	9/21/2021	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.555
	12/2/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.153
	12/2/2021	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.150

TABLE 2
Summary of Groundwater Analytical Results
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

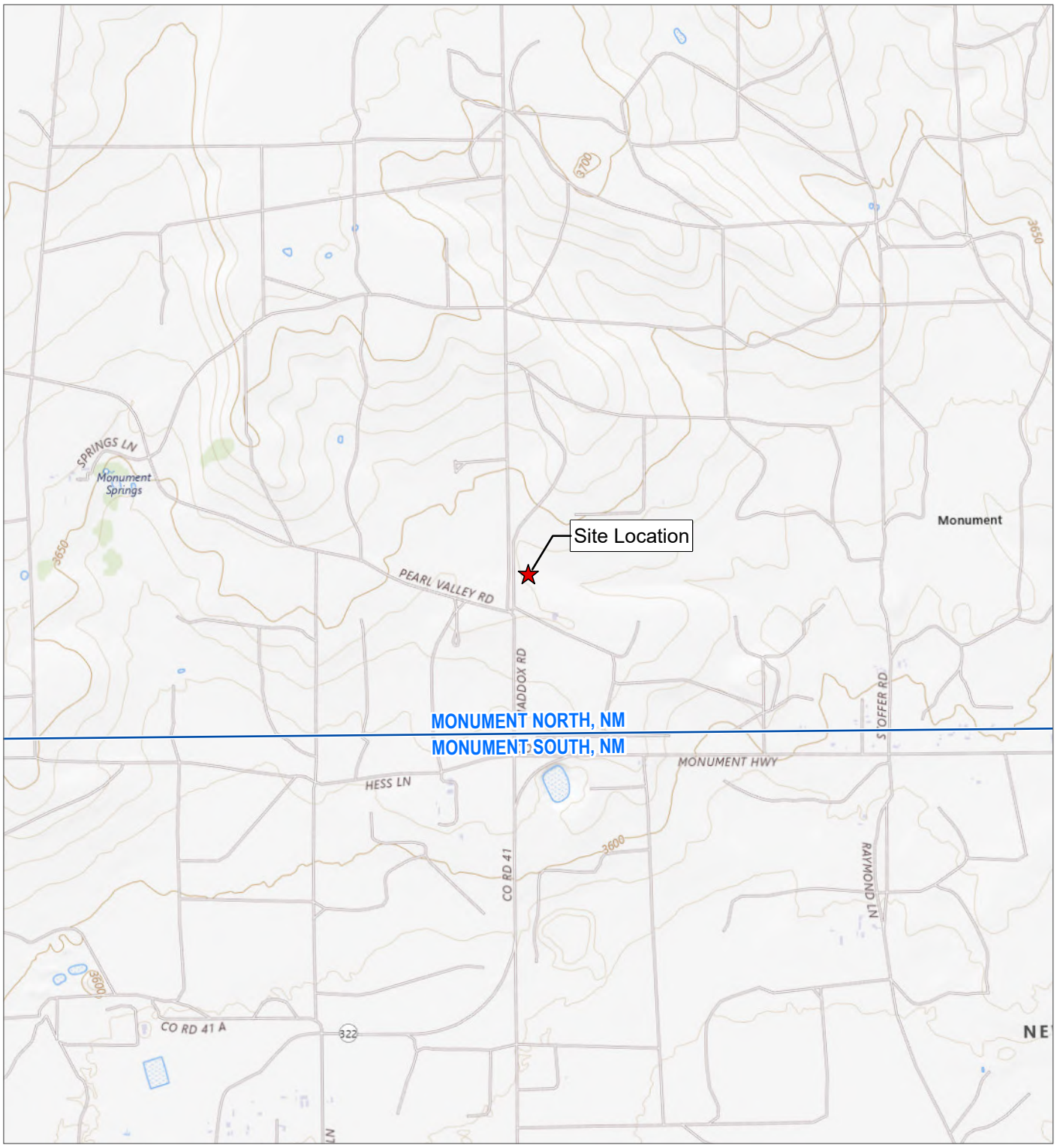
Monitoring Well	Sample Date	Duplicate	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
NM WQCC Groundwater Standards (mg/L)			0.005	0.7	1	0.62	N/A	N/A
MW-5 (continued)	3/23/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.152
	3/23/2022	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.159
	6/1/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.159
	6/1/2022	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.154
	9/28/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.163
	9/28/2022	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.154
	12/7/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	12/7/2022	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	2/23/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.154 C
	2/23/2023	FD	<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.157 C
	8/15/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.147
	10/19/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.159
	10/19/2023	FD	<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.152
	2/13/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.148
	5/2/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.167
	9/10/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.194
	11/20/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.190
MW-6	6/3/2008		0.0027	0.0013	0.049	0.053	--	--
	9/23/2008		0.0020	0.0009	0.047	0.0096	--	--
	12/22/2008		0.0020	0.0006	0.028	0.0031	--	--
	3/12/2009		0.0014	<0.0005	0.018	0.0022	--	--
	6/23/2009		0.0014	<0.0010	0.019	<0.0020	--	--
	9/8/2009		0.0022	<0.0010	0.018	<0.0020	--	--
	12/17/2009		0.0011	<0.0010	0.012	<0.0020	--	--
	3/9/2010		<0.0010	<0.0010	0.017	<0.0015	--	--
	6/16/2010		0.0010	<0.0010	0.016	<0.0020	--	--
	8/30/2010		0.020	<0.0010	0.031	<0.0020	--	--
	12/6/2010		0.0073	<0.0010	0.020	<0.0020	--	--
	3/18/2011		0.0032	<0.0010	0.016	0.0025	--	--
	6/23/2011		0.0027	<0.0010	0.025	<0.0020	--	--
	10/7/2011		0.0017	<0.0010	0.020	<0.0020	--	--
	12/8/2011		0.0022	<0.0010	0.027	<0.0020	--	--
	12/18/2012		0.00256	<0.0020	0.0844	<0.0020	--	--
	6/23/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/12/2013		0.00474	<0.0020	<0.0010	<0.0020	--	--
	6/26/2014		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/11/2014		0.0115	<0.0020	0.00035	<0.0010	1.15	0.499
	6/11/2015		0.00228	<0.0020	<0.0010	<0.0010	<0.10	0.368
	12/15/2015		0.00116	<0.0020	<0.0010	<0.0010	1.66	0.655
	6/7/2016		0.000610	<0.0020	<0.0010	<0.0010	0.779	0.714
	1/24/2017		0.00825	<0.0020	<0.0010	<0.0020	1.31	1.41
	6/6/2017		0.00261	<0.0020	<0.0010	<0.0020	1.71	0.951
	12/6/2017		0.00369	<0.0020	<0.0010	<0.0020	0.856	5.27
	3/15/2018		0.00184	<0.0020	<0.0010	<0.0020	1.03	1.18
	6/5/2018		0.000980	<0.0020	<0.0010	<0.0020	1.07	1.30
	9/24/2018		0.000372	<0.0020	<0.0010	<0.0020	1.04	3.09
	12/11/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.883	1.66
	3/12/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.562	0.939
	6/26/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.977	0.567
	9/22/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.862	1.27
	12/3/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.837	1.29
	3/14/2020		<0.0010	<0.0020	<0.0010	<0.0020	0.775	1.08
	6/18/2020		<0.0010	<0.0020	<0.0010	<0.0020	0.444	0.706
	9/15/2020		<0.0010	<0.0020	<0.0010	<0.0020	1.02	1.01
	12/2/2020		<0.0010	<0.0020	<0.0010	<0.0020	0.901	0.785
	3/24/2021		<0.0010	<0.0020	<0.0010	<0.0020	0.950	0.714
	6/8/2021		<0.0010	<0.0020	<0.0010	<0.0020	0.983	0.523
	9/21/2021		<0.0010	<0.0020	<0.0010	<0.0020	0.539	0.822
	12/2/2021		<0.0010	<0.0020	<0.0010	<0.0020	0.550	0.407
	3/23/2022		<0.0010	<0.0020	<0.0010	<0.0020	0.527	0.475
	6/1/2022		<0.0010	<0.0020	<0.0010	<0.0020	0.560	0.855
	9/28/2022		<0.0010	<0.0020	<0.0010	<0.0020	0.456	2.01
	12/7/2022		<0.0010	<0.0020	<0.0010	<0.0020	0.441	0.567
	2/23/2023		<0.00300	<0.00600	<0.00300	<0.00300	0.531	<0.155 C
	8/15/2023		<0.00300	<0.00600	<0.00300	<0.00300	0.203	<0.150
	8/15/2023	FD	<0.00300	<0.00600	<0.00300	<0.00300	0.235	<0.164
	10/19/2023		<0.00300	<0.00600	<0.00300	<0.00300	0.292	0.464
	2/13/2024		<0.000300	<0.000600	<0.000300	<0.000300	0.336	0.322
	2/13/2024	FD	<0.000300	<0.000600	<0.000300	<0.000300	0.317	0.244
	5/2/2024		<0.000300	<0.000600	<0.000300	<0.000300	0.299	0.253
	5/2/2024	FD	<0.000300	<0.000600	<0.000300	<0.000300	0.261	<0.154
	9/10/2024		<0.000300	<0.000600	<0.000300	<0.000300	0.232	0.206 J
	9/10/2024	FD	<0.000300	<0.000600	<0.000300	<0.000300	0.188	0.207 J
	11/20/2024		<0.000300	<0.000600	<0.000300	<0.000300	0.218	<0.199
	11/20/2024	FD	<0.000300	<0.000600	<0.000300	<0.000300	0.190	<0.200

TABLE 2
Summary of Groundwater Analytical Results
HF Sinclair North Monument 6-Inch Gathering Line, AP# 34
Monument, Lea County, New Mexico

Monitoring Well	Sample Date	Duplicate	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
NM WQCC Groundwater Standards (mg/L)			**0.005**	**0.7**	**1**	**0.62**	**N/A**	**N/A**
MW-7	6/3/2008		0.0009	0.0006	0.0015	0.0017	--	--
	9/23/2008		0.0005	<0.0005	0.0008	0.0019	--	--
	12/22/2008		<0.0005	<0.0005	0.0008	0.001	--	--
	3/12/2009		<0.0005	<0.0005	0.0009	0.0016	--	--
	6/23/2009		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	9/8/2009		<0.0010	<0.0010	0.0014	<0.0020	--	--
	12/17/2009		<0.0010	<0.0010	0.001	<0.0020	--	--
	3/9/2010		<0.0010	<0.0010	<0.0010	<0.0015	--	--
	6/16/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	8/30/2010		0.0017	<0.0010	0.0018	<0.0020	--	--
	12/6/2010		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	3/18/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	6/23/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	10/7/2011		<0.0010	<0.0010	<0.0010	<0.0020	--	--
	12/8/2011		<0.0010	<0.0010	0.0017	<0.0020	--	--
	12/18/2012		0.00024	<0.0020	<0.0010	<0.0020	--	--
	6/23/2013		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/12/2013		0.00032	<0.0020	0.00037	<0.0020	--	--
	12/12/2013	FD	0.00031	<0.0020	0.00039	<0.0020	--	--
	6/26/2014		<0.0010	<0.0020	<0.0010	<0.0020	--	--
	12/11/2014		0.000400	<0.0020	<0.0010	<0.0010	0.115	<0.10
	12/11/2014	FD	0.000380	<0.0020	<0.0010	<0.0010	0.073	<0.09
	6/11/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.10
	12/15/2015		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.10
	6/7/2016		<0.0010	<0.0020	<0.0010	<0.0010	<0.10	<0.10
	12/13/2016		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.127
	6/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.159
	12/6/2017		<0.0010	<0.0020	<0.0010	<0.0020	0.089	0.456
	3/15/2018		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0756
	6/5/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.070	<0.0761
	9/24/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.070	0.101
	12/11/2018		<0.0010	<0.0020	<0.0010	<0.0020	0.077	<0.0753
	12/11/2018	FD	<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.0757
	3/12/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.124	<0.0757
	6/26/2019		<0.0010	<0.0020	<0.0010	<0.0020	0.095	<0.0794
	9/22/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.154
	12/3/2019		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.155
	3/14/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	6/18/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	9/15/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	12/2/2020		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.149
	3/24/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.152
	6/8/2021		<0.0010	<0.0020	<0.0010	<0.0020	0.101	<0.148
	9/21/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.555
	12/2/2021		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.155
	3/23/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.201
	6/1/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.156
	9/28/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	0.473
	12/7/2022		<0.0010	<0.0020	<0.0010	<0.0020	<0.06	<0.148
	2/23/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.156 C
	8/15/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.149
	10/19/2023		<0.00300	<0.00600	<0.00300	<0.00300	<0.0600	<0.159
	2/13/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.147
	5/2/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.154
	9/10/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.197
	11/20/2024		<0.000300	<0.000600	<0.000300	<0.000300	<0.0600	<0.198

NOTES:
BOLD = Exceeds New Mexico Water Quality Control Commission (NM WQCC) Groundwater Standard for human health exposure, 20.6.2.3103
N/A = Not Applicable; no NM WQCC Groundwater Standard established for constituent.
mg/L = milligrams/Liter
FD = Field Duplicate
< = Not reported above laboratory reporting limit (or after 2023, the laboratory method detection limit).
-- = Not Analyzed
C = Sample extracted five days outside of hold time due to laboratory error (results considered estimated, biased low).
TPH-GRO = total petroleum hydrocarbons - gasoline range organics (Method 8015V)
TPH-DRO = total petroleum hydrocarbons - diesel gasoline range organics (Method 8015D)
Benzene, ethylbenzene, toluene, and total xylenes analyzed by Method 8260C or 8260D.
Analytical data from 2002 to 2022 were provided by a previous consultant and could not be confirmed against the original data packages. Benzene, ethylbenzene, toluene, and total xylenes originally reported in micrograms per liter.

FIGURES



SITE LOCATION

USGS 7.5' QUADRANGLE

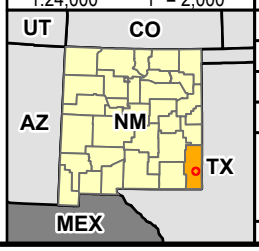
BASE MAP: ESRI "USGS TOPO" ONLINE SERVICE LAYER
USGS 7.5' QUADRANGLE: MONUMENT NORTH, NM (2023)
DATA SOURCES: TRC, ESRI, USGS

N

0 1,000 2,000

FEET

1:24,000 1" = 2,000'



PROJECT: HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

TITLE: SITE LOCATION MAP

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		
APPROVED BY:	T. GLASS		FIGURE 1
DATE:	JANUARY 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: NORTH MONUMENT 2025

APPROXIMATE LOCATION OF UNDERGROUND LINE

FENCE LINE

BOREHOLE WELL LOCATION

MONITORING WELL LOCATION

RECOVERY/BOREHOLE WELL LOCATION

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

TITLE:
SITE MAP

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		**FIGURE 2**
APPROVED BY:	T. GLASS		
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/6/2025, 10:20:37 AM; File Path: T:\1-PROJECTS\FSinclair\645218.0...North_Monument_2025\2-APRX\North Monument 2025.aprx; Layout Name: Fig02 - Site Map

- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (1.26) LNAPL THICKNESS IN FEET
- LNAPL EXTENT

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.
2. WELLS WITH NO LNAPL THICKNESS SHOWN CONTAINED ONLY MEASUREABLE GROUNDWATER.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:	HF SINCLAIR CORPORATION MONUMENT, LEA COUNTY, NEW MEXICO NORTH MONUMENT 6-INCH GATHERING LINE, AP #34
TITLE:	LNAPL THICKNESS MAP - FEBRUARY 2024
DRAWN BY: J. WEST	PROJ. NO.: 645218.0000.0000
CHECKED BY: A. ELJURI	FIGURE 3
APPROVED BY: T. GLASS	
DATE: MARCH 2025	

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:29:37 AM; File Path: T:\PROJECTS\Sinclair\645218_North_Monument_2025\2-APEX\North Monument 2025.aprx; Layout Name: Fig03 - LNAPL Thickness Feb 2024

- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (1.73) LNAPL THICKNESS IN FEET
- LNAPL EXTENT

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.
2. WELLS WITH NO LNAPL THICKNESS SHOWN CONTAINED ONLY MEASUREABLE GROUNDWATER.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

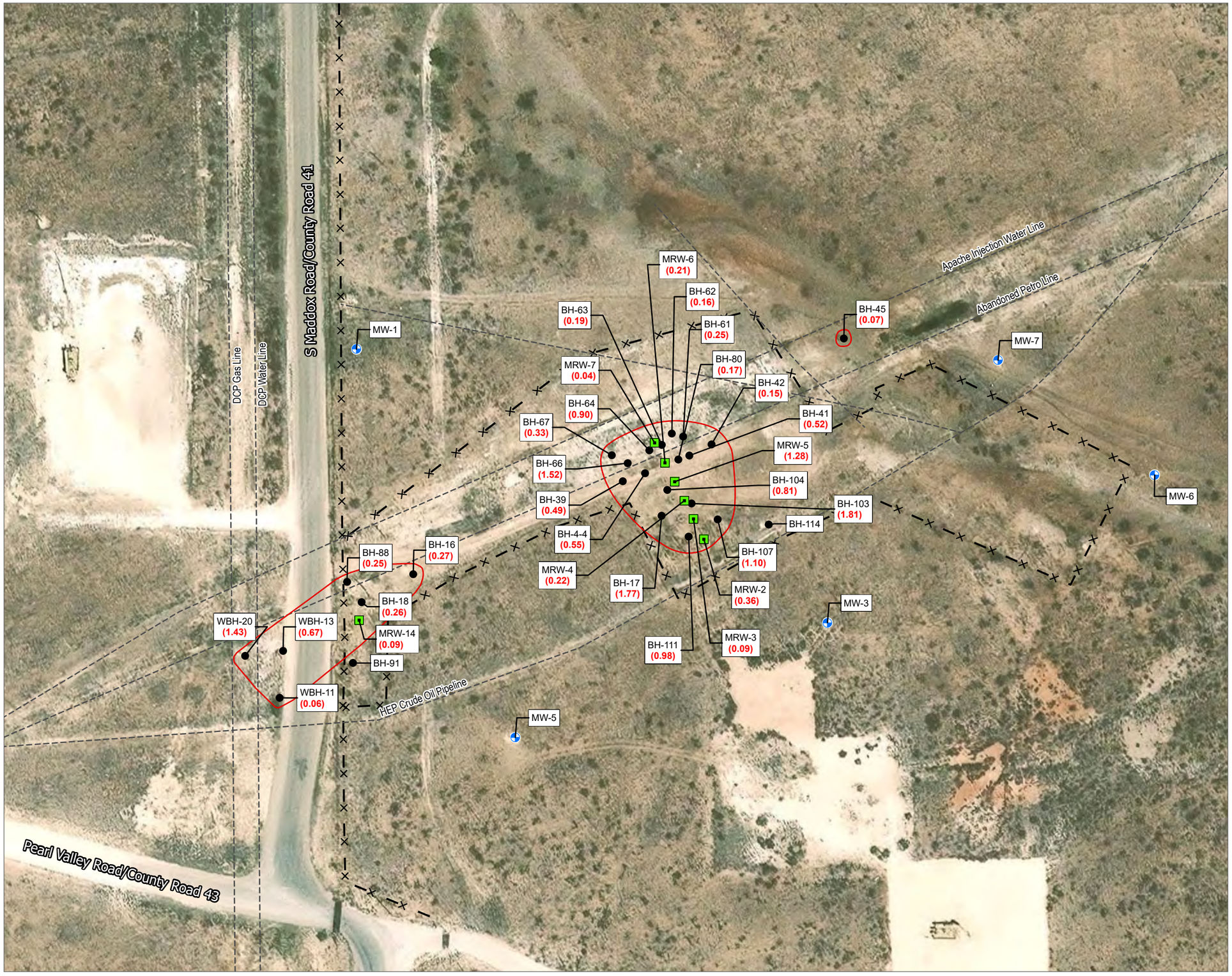
TITLE:
LNAPL THICKNESS MAP - MAY 2024

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		
APPROVED BY:	T. GLASS		**FIGURE 4**
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:29:07 AM; File Path: T:\PROJECTS\FSC\local\645218_North Monument 2025\2-APRX\North Monument 2025.aprx; Layout Name: Fig04 - LNAPL Thickness May 2024



- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (1.81) LNAPL THICKNESS IN FEET
- LNAPL EXTENT

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.
2. WELLS WITH NO LNAPL THICKNESS SHOWN CONTAINED ONLY MEASUREABLE GROUNDWATER.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

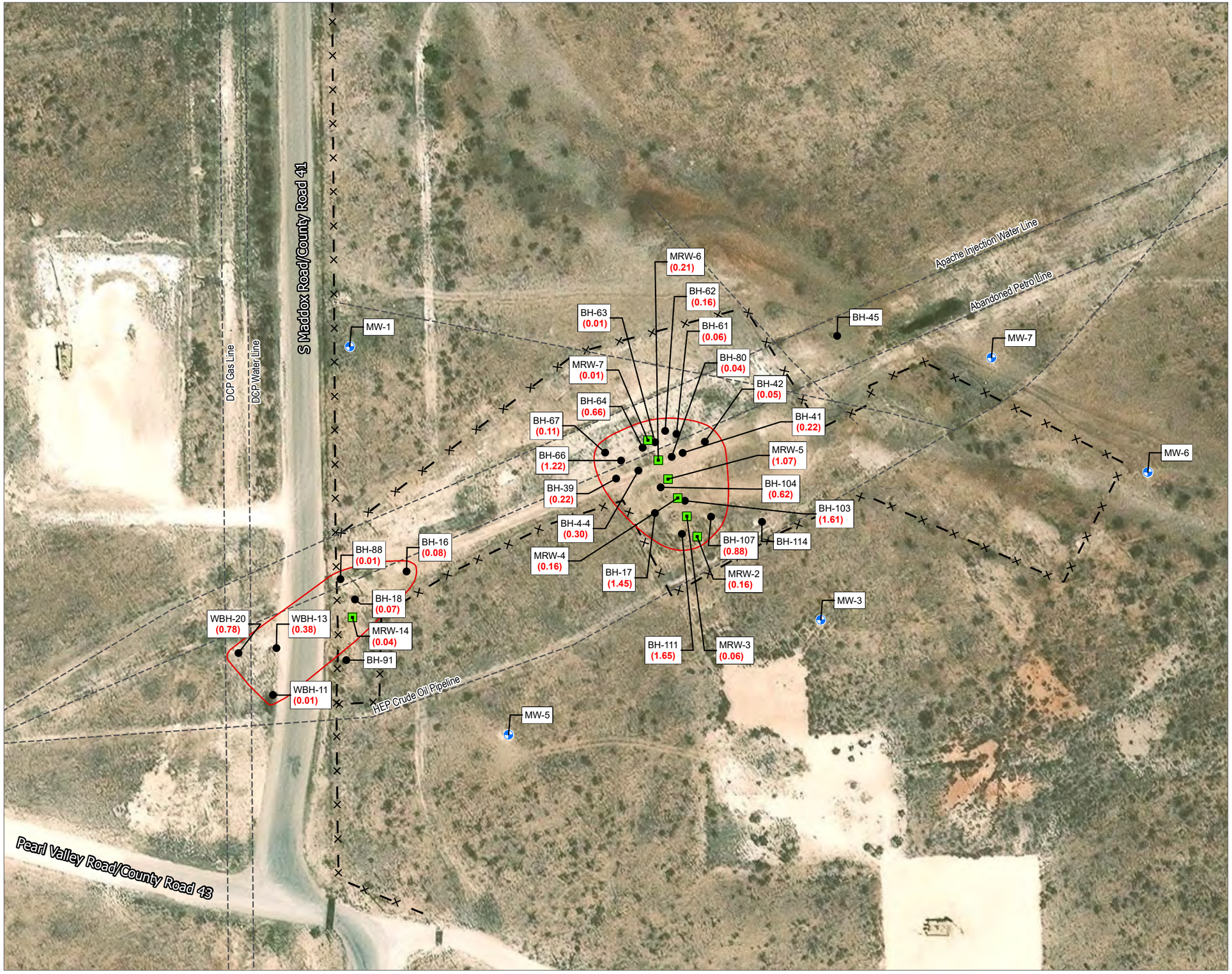
TITLE:
LNAPL THICKNESS MAP - SEPTEMBER 2024

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		**FIGURE 5**
APPROVED BY:	T. GLASS		
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:26:37 AM - File Path: T:\PROJECTS\HFSinclair\645218 North Monument 2025\2-APRX\North Monument 2025.aprx - Layout Name: Fig05 - LNAPL Thickness Sep 2024



- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (1.61) LNAPL THICKNESS IN FEET
- LNAPL EXTENT

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.
2. WELLS WITH NO LNAPL THICKNESS SHOWN CONTAINED ONLY MEASUREABLE GROUNDWATER.

1:1,200
1" = 100'

0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

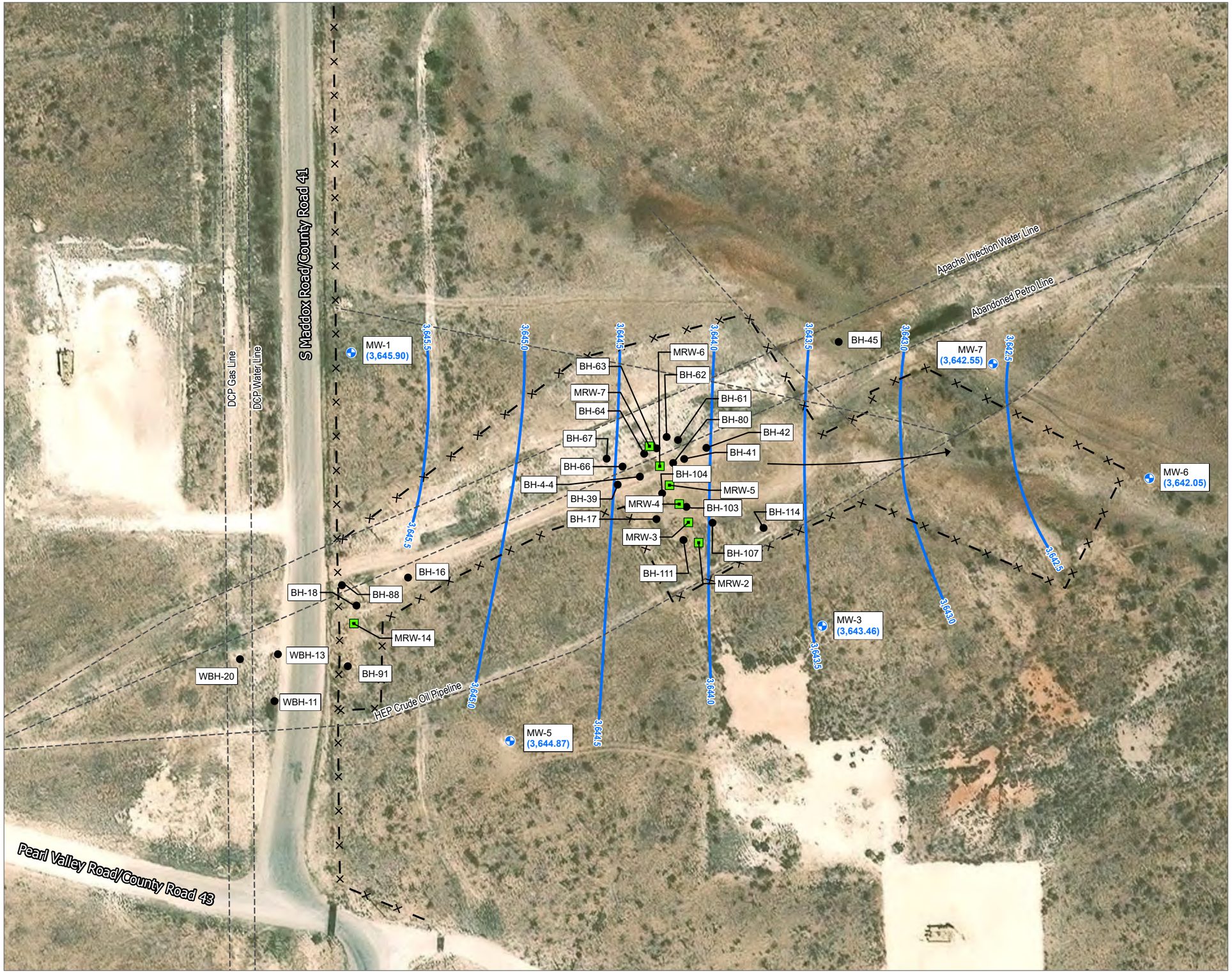
TITLE:
LNAPL THICKNESS MAP - NOVEMBER 2024

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		
APPROVED BY:	T. GLASS		**FIGURE 6**
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet - Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:53:50 AM - File Path: T:\1-PROJECTS\F\Sinclair\645218.0000 North Monument 2025\2-APRX\North Monument 2025.aprx - Layout Name: Fig06 - LNAPL Thickness Nov 2024



- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER POTENTIOMETRIC CONTOUR
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (3,643.46) GROUNDWATER ELEVATION, FEET ABOVE MEAN SEA LEVEL

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT: HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP - FEBRUARY 2024

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		FIGURE 7
APPROVED BY:	T. GLASS		
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:41:54 AM; File Path: T:\1 PROJECTS\Sinclair\645218_North Monument_2025\2-4 RPX\North Monument 2025.aprx; Layout Name: Fig07 - GW Contours Feb 2024

- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER POTENTIOMETRIC CONTOUR
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (3,642.13) GROUNDWATER ELEVATION, FEET ABOVE MEAN SEA LEVEL

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.

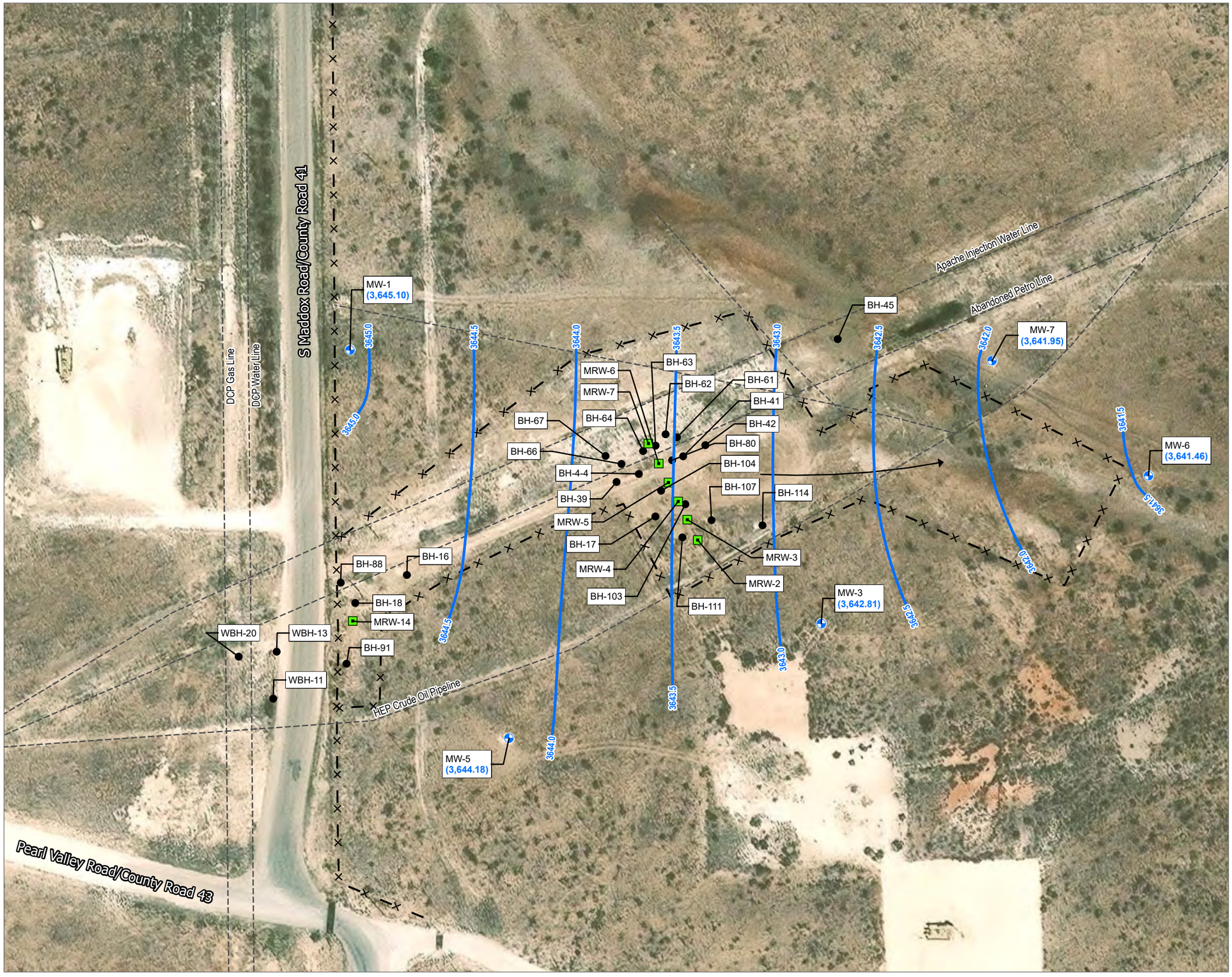
1:1,200
1" = 100'
0 50 100 FEET

PROJECT:	HF SINCLAIR CORPORATION MONUMENT, LEA COUNTY, NEW MEXICO NORTH MONUMENT 6-INCH GATHERING LINE, AP #34
TITLE:	GROUNDWATER POTENTIOMETRIC SURFACE MAP - MAY 2024
DRAWN BY: J. WEST	PROJ. NO.: 645218.0000.0000
CHECKED BY: A. ELJURI	FIGURE 8
APPROVED BY: T. GLASS	
DATE: MARCH 2025	

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By JWEST on 3/19/2025, 10:53:50 AM; File Path: T:\PROJECTS\HFSinclair\645218_North_Monument_2025\2-4\PRX\North Monument 2025.aprx; Layout Name: Fig08 - GW Contours May 2024



- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER POTENTIOMETRIC CONTOUR
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (3,641.46) GROUNDWATER ELEVATION, FEET ABOVE MEAN SEA LEVEL

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

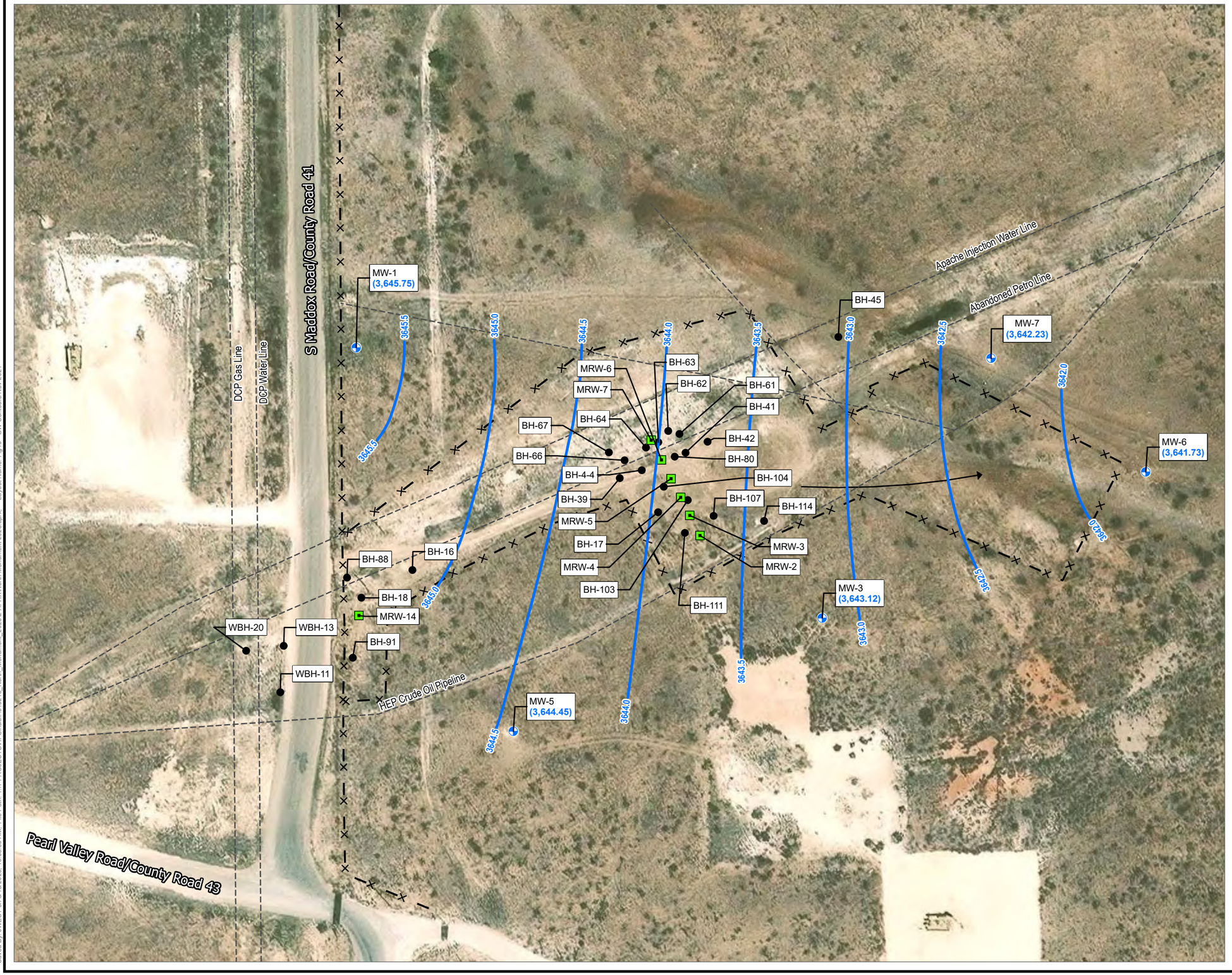
TITLE:
GROUNDWATER POTENTIOMETRIC SURFACE MAP - SEPTEMBER 2024

DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		FIGURE 9
APPROVED BY:	T. GLASS		
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/19/2025, 10:45:13 AM; File Path: T:\PROJECTS\Sinclair\645218_North Monument 2025\0-APRX\North Monument 2025.aprx; Layout Name: Fig09 - GW Contours Sep 2024



- APPROXIMATE LOCATION OF UNDERGROUND LINE
- FENCE LINE
- GROUNDWATER FLOW DIRECTION
- GROUNDWATER POTENTIOMETRIC CONTOUR
- BOREHOLE WELL LOCATION
- MONITORING WELL LOCATION
- RECOVERY/BOREHOLE WELL LOCATION
- (3,641.73) GROUNDWATER ELEVATION, FEET ABOVE MEAN SEA LEVEL

NOTES:
1. BASE MAP IMAGERY FROM ESRI WORLD IMAGERY, APRIL 2024.

1:1,200
1" = 100'
0 50 100 FEET

PROJECT:
HF SINCLAIR CORPORATION
MONUMENT, LEA COUNTY, NEW MEXICO
NORTH MONUMENT 6-INCH GATHERING LINE, AP #34

TITLE:
GROUNDWATER POTENTIOMETRIC SURFACE MAP - NOVEMBER 2024

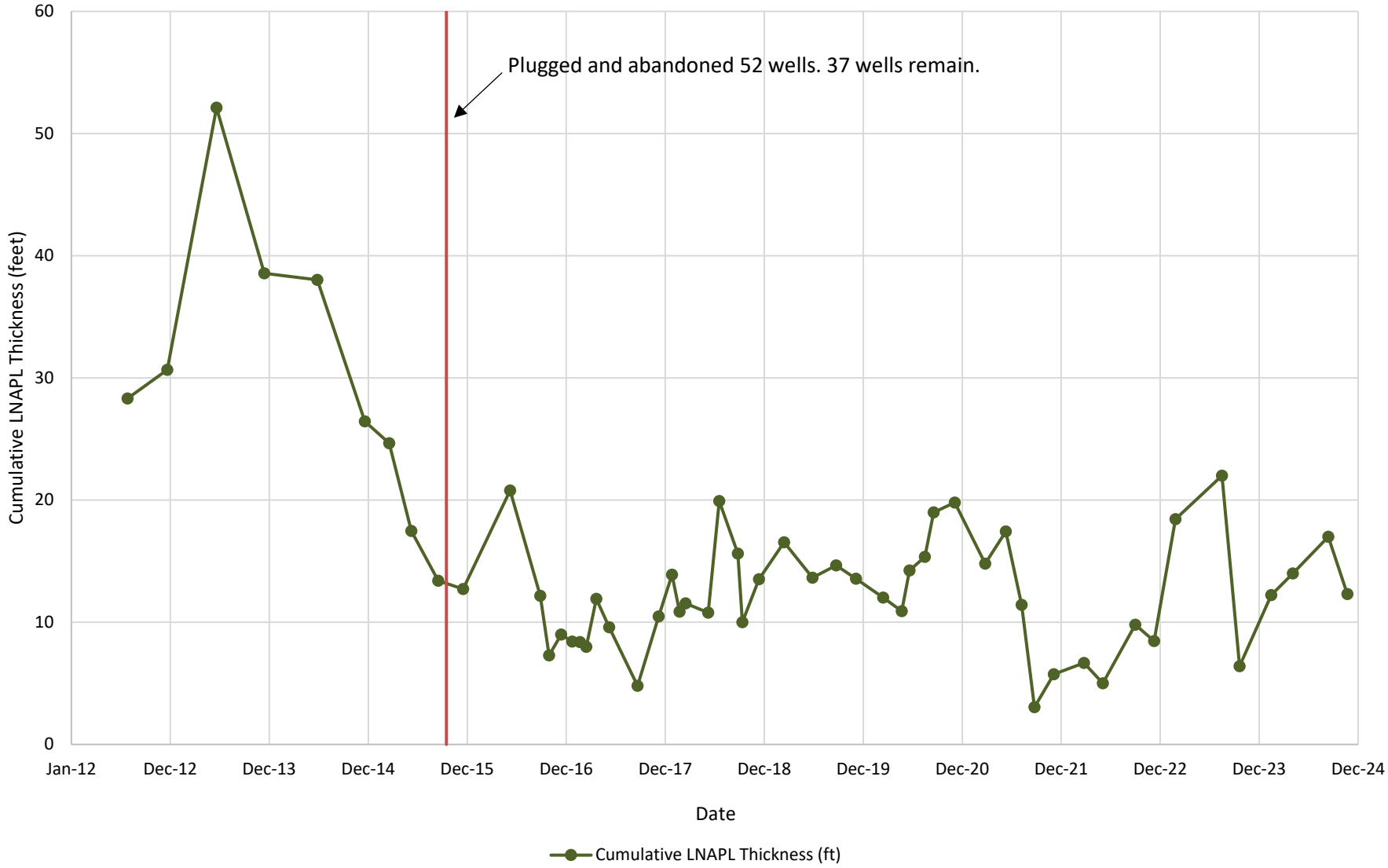
DRAWN BY:	J. WEST	PROJ. NO.:	645218.0000.0000
CHECKED BY:	A. ELJURI		**FIGURE 10**
APPROVED BY:	T. GLASS		
DATE:	MARCH 2025		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: North Monument 2025.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
Saved By: JWEST on 3/19/2025 10:55:50 AM; File Path: T:\Projects\HFSinclair\645218_North Monument_2025\2-APRX\North Monument 2025.aprx; Layout Name: Fig10 - GW Contours Nov 2024

Figure 11
Cumulative LNAPL Thickness Over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico



APPENDIX A

2-DAY FIELD WORK NOTIFICATIONS

Outlook

[EXTERNAL] FW: Subject: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

From Holder, Mike <Michael.Holder@HFSinclair.com>
Date Mon 11/11/2024 12:20 PM
To Helbert, Dana <DHelbert@trccompanies.com>; Mike Holder <michael.holder@HFSinclair.com>

From: Holder, Mike <Michael.Holder@HFSinclair.com>
Sent: Thursday, June 6, 2024 2:21 PM
To: eco@slo.state.nm.us
Cc: Holder, Mike <Michael.Holder@HFSinclair.com>
Subject: Subject: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

To Whom It May Concern,

The June 2024 Enhanced Fluid Recovery (EFR) Event is scheduled to commence at HF Sinclair's North Monument Site the week of June 17, 2024. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This EFR event is planned to be completed in one (1) field day. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico.

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115.

Thank you,
Mike Holder

Mike Holder
Environmental Specialist | Corporate Environmental

M 575-308-1115

michael.holder@hfsinclair.com
www.HFSinclair.com

2828 N. Harwood, Ste 1300, Dallas, TX 75201

Outlook

[EXTERNAL] FW: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

From Holder, Mike <Michael.Holder@HFSinclair.com>
Date Mon 11/11/2024 12:20 PM
To Helbert, Dana <DHelbert@trccompanies.com>; Mike Holder <michael.holder@HFSinclair.com>

From: Holder, Mike <Michael.Holder@HFSinclair.com>
Sent: Thursday, June 6, 2024 2:25 PM
To: Michael Buchanan (Michael.Buchanan@emnrd.nm.gov) <Michael.Buchanan@emnrd.nm.gov>
Cc: Holder, Mike <Michael.Holder@HFSinclair.com>
Subject: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

Mike,

I don't think we have notified you of filed activities in the past but wanted to check if you wanted to be so notified. I sent the below to the SLO in accordance w/their new guidance. Let me know and I can make sure we notify you on our other sites if you want to be. Thanks, Mike

The June 2024 Enhanced Fluid Recovery (EFR) Event is scheduled to commence at HF Sinclair's North Monument Site the week of June 17, 2024. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This EFR event is planned to be completed in one (1) field day. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico.

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115.

Thank you,
Mike Holder

Mike Holder
Environmental Specialist | Corporate Environmental

M 575-308-1115

michael.holder@hfsinclair.com
www.HFSinclair.com

2828 N. Harwood, Ste 1300, Dallas, TX 75201

Outlook

(2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

From Holder, Mike <Michael.Holder@HFSinclair.com>
Date Wed 9/4/2024 2:37 PM
To Tami Knight (tknight@slo.state.nm.us) <tknight@slo.state.nm.us>; SLO Spills <spills@slo.state.nm.us>
Cc Mike Holder <michael.holder@HFSinclair.com>

Tami,

The Third Quarter 2024 Groundwater Monitoring and Enhanced Fluid Recovery (EFR) Event is scheduled to commence at HF Sinclair's North Monument Site the week of September 9-11, 2024. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring and EFR event is planned to be completed in three (3) field days. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field staff and their contact information is below should you need to coordinate schedules if a site visit is planned:

Robert Niehay (TRC Companies) – 915-222-1322
Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115. I would also appreciate heads up if you plan to have staff on site.

Thanks,
Mike Holder

Mike Holder
Environmental Specialist | Corporate Environmental

M 575-308-1115

michael.holder@hfsinclair.com
www.HFSinclair.com

2828 N. Harwood, Ste 1300, Dallas, TX 75201

HF Sinclair

Outlook

HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

From Holder, Mike <Michael.Holder@HFSinclair.com>
Date Wed 9/4/2024 2:39 PM
To Michael Buchanan (Michael.Buchanan@emnrd.nm.gov) <Michael.Buchanan@emnrd.nm.gov>
Cc Mike Holder <michael.holder@HFSinclair.com>

Mike,

The Third Quarter 2024 Groundwater Monitoring and Enhanced Fluid Recovery (EFR) Event is scheduled to commence at HF Sinclair's North Monument Site the week of September 9-11, 2024. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring and EFR event is planned to be completed in three (3) field days. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field staff and their contact information is below should you need to coordinate schedules if a site visit is planned:

Robert Niehay (TRC Companies) – 915-222-1322
Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115. I would also appreciate a heads up if you plan to be on site.

Thanks,
Mike Holder

Mike Holder
Environmental Specialist | Corporate Environmental

M 575-308-1115

michael.holder@hfsinclair.com
www.HFSinclair.com

2828 N. Harwood, Ste 1300, Dallas, TX 75201

Outlook

[EXTERNAL] RE: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

From SLO Spills <spills@nmslo.gov>
Date Mon 11/18/2024 10:58 AM
To Mike Holder <michael.holder@HFSinclair.com>
Cc Helbert, Dana <DHelbert@trccompanies.com>; Honea, Tammy <thonea@nmslo.gov>

Thank you Mike for the update

Tami C. Knight, CHMM
Environmental Specialist
NMSLO Environmental Compliance Office
505.670-1638

tknight@nmslo.gov

NMSLO is closed Nov 27-29
OUT OF OFFICE NOTICE: Nov 25-29, 2024

From: Holder, Mike <Michael.Holder@HFSinclair.com>
Sent: Monday, November 18, 2024 10:53 AM
To: SLO Spills <spills@nmslo.gov>; Knight, Tami C. <tknight@nmslo.gov>
Cc: Dana Helbert (DHelbert@trccompanies.com) <DHelbert@trccompanies.com>; Holder, Mike <Michael.Holder@HFSinclair.com>
Subject: [EXTERNAL] RE: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

Tami,

Notification was provided to you on November 11, 2024 that the Fourth Quarter 2024 Groundwater Monitoring and Enhanced Fluid Recovery (EFR) Event was scheduled to commence at HF Sinclair's North Monument Site on November 20-22, 2024. Our field schedule has changed due to limited access to a nearby site (i.e., the access road is flooded). We are now planning to begin work (gauging wells) at the HF Sinclair's North Monument Site today, November 18, 2024. All site will be finished by the end of this week, November 22, 2024. The scope of work for the Fourth Quarter 2024 Groundwater Monitoring and EFR Event remains the same.

All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring and EFR event is planned to be completed in three (3) field days. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field lead and her contact information is below:

Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115.

Thanks,
Mike Holder

From: Holder, Mike <Michael.Holder@HFSinclair.com>
Sent: Monday, November 11, 2024 5:28 PM
To: SLO Spills <spills@slo.state.nm.us>; Tami Knight (tknight@slo.state.nm.us) <tknight@slo.state.nm.us>
Cc: Holder, Mike <Michael.Holder@HFSinclair.com>; Dana Helbert (DHelbert@trccompanies.com) <DHelbert@trccompanies.com>
Subject: (2-Day Field Work Notification) HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002

Tami,

The Fourth Quarter 2024 Groundwater Monitoring and Enhanced Fluid Recovery (EFR) Event is scheduled to commence at HF Sinclair's North Monument Site On November 20-22, 2024. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring and EFR event is planned to be completed in three (3) field days. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field lead and her contact information is below:

Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115. I would also appreciate heads up if you plan to have staff on site.

Thank you,
Mike Holder

Mike Holder
Environmental Specialist | Corporate Environmental

M 575-308-1115

michael.holder@hfsinclair.com
www.HFSinclair.com

2828 N. Harwood, Ste 1300, Dallas, TX 75201

Outlook

[EXTERNAL] RE: HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002 - Upcoming Groundwater Monitoring

From Holder, Mike <Michael.Holder@HFSinclair.com>
Date Mon 11/18/2024 10:54 AM
To Michael Buchanan (Michael.Buchanan@emnrd.nm.gov) <Michael.Buchanan@emnrd.nm.gov>
Cc Helbert, Dana <DHelbert@trccompanies.com>; Mike Holder <michael.holder@HFSinclair.com>

Mike,

Notification was provided to you on November 11, 2024 that the Fourth Quarter 2024 Groundwater Monitoring Event was scheduled to commence at HF Sinclair's North Monument Site On November 20-22, 2024. Our field schedule has changed due to limited access to a nearby site (i.e., the access road is flooded). We are now planning to begin work (gauging wells) at the HF Sinclair's North Monument Site today, November 18, 2024. All site will be finished by the end of this week, November 22, 2024. The scope of work for the Fourth Quarter 2024 Groundwater Monitoring Event remains the same.

All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring event is planned to be completed in two (2) field days and EFR event is planned to be completed in one (1) field day. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field lead and her contact information is below:

Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115.

Thanks,
Mike

From: Holder, Mike <Michael.Holder@HFSinclair.com>
Sent: Monday, November 11, 2024 5:30 PM
To: Michael Buchanan (Michael.Buchanan@emnrd.nm.gov) <Michael.Buchanan@emnrd.nm.gov>
Cc: Holder, Mike <Michael.Holder@HFSinclair.com>; Dana Helbert (DHelbert@trccompanies.com) <DHelbert@trccompanies.com>
Subject: HF Sinclair North Monument Release Site 6-Inch Gathering Line (AP #34)-10-5-2002 - Upcoming Groundwater Monitoring

Mike,

The Fourth Quarter 2024 Groundwater Monitoring Event is scheduled to commence at HF Sinclair's North Monument Site On November 20-21, 2024. Additionally, staff will be onsite on Friday, November

22, 2024, to conduct the and Enhanced Fluid Recovery (EFR) event. All field work will be conducted in accordance with the Stage 1 Abatement Plan (AP) Proposal approved by the NMOCD in October 2004 and the initial Stage 2 AP submitted in October 2012. This groundwater monitoring event is planned to be completed in two (2) field days and EFR event is planned to be completed in one (1) field day. The site location is 32.631327, -103.298407, east of Maddox Road in Monument, New Mexico. The field lead and her contact information is below:

Nikki Donegan (TRC Companies) – 512-962-8621

If you have any questions regarding the groundwater monitoring schedule, please do not hesitate to contact me at (575) 308-1115.

Thanks,
Mike

Mike Holder
Environmental Specialist | Corporate Environmental

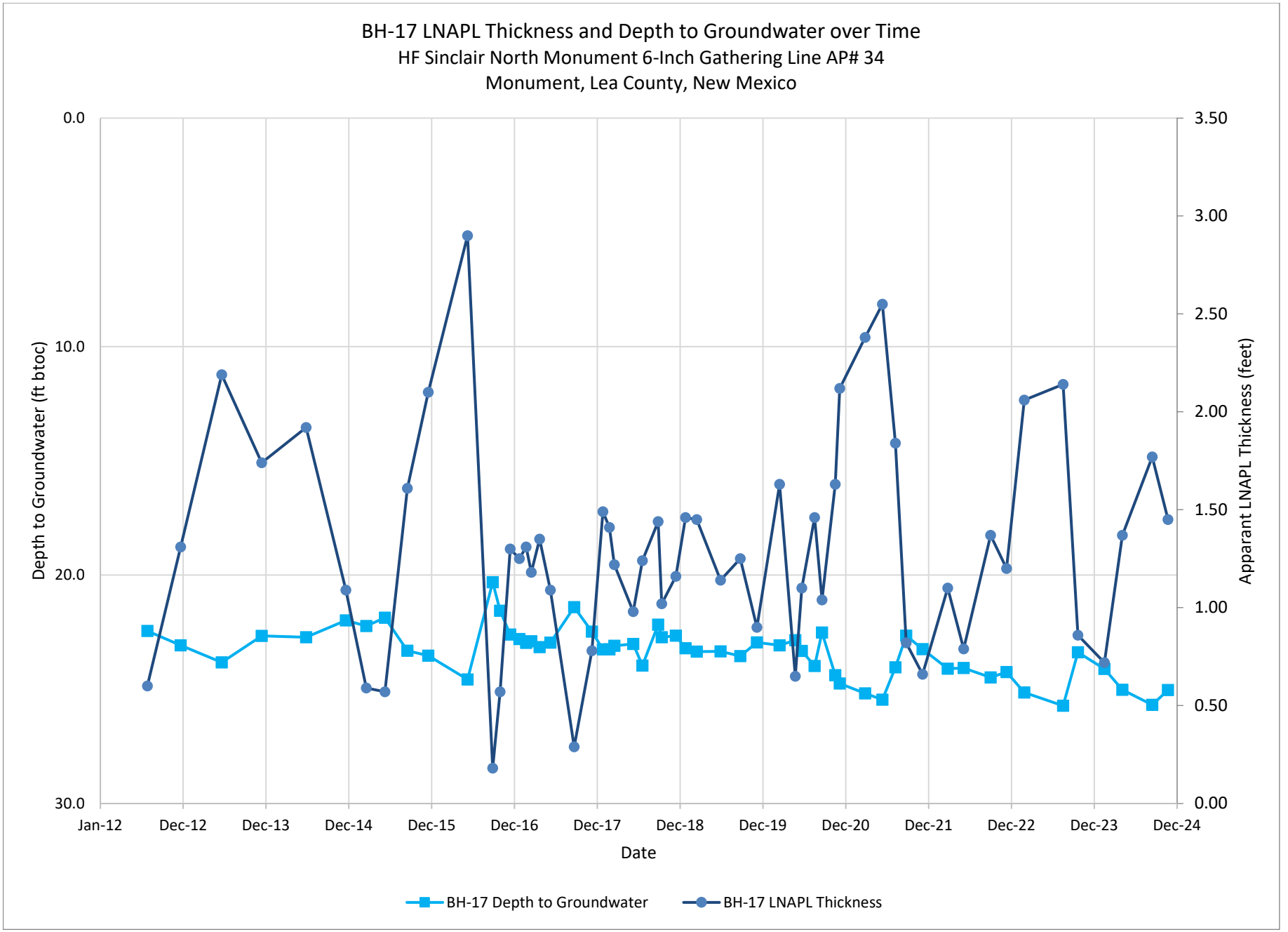
M 575-308-1115

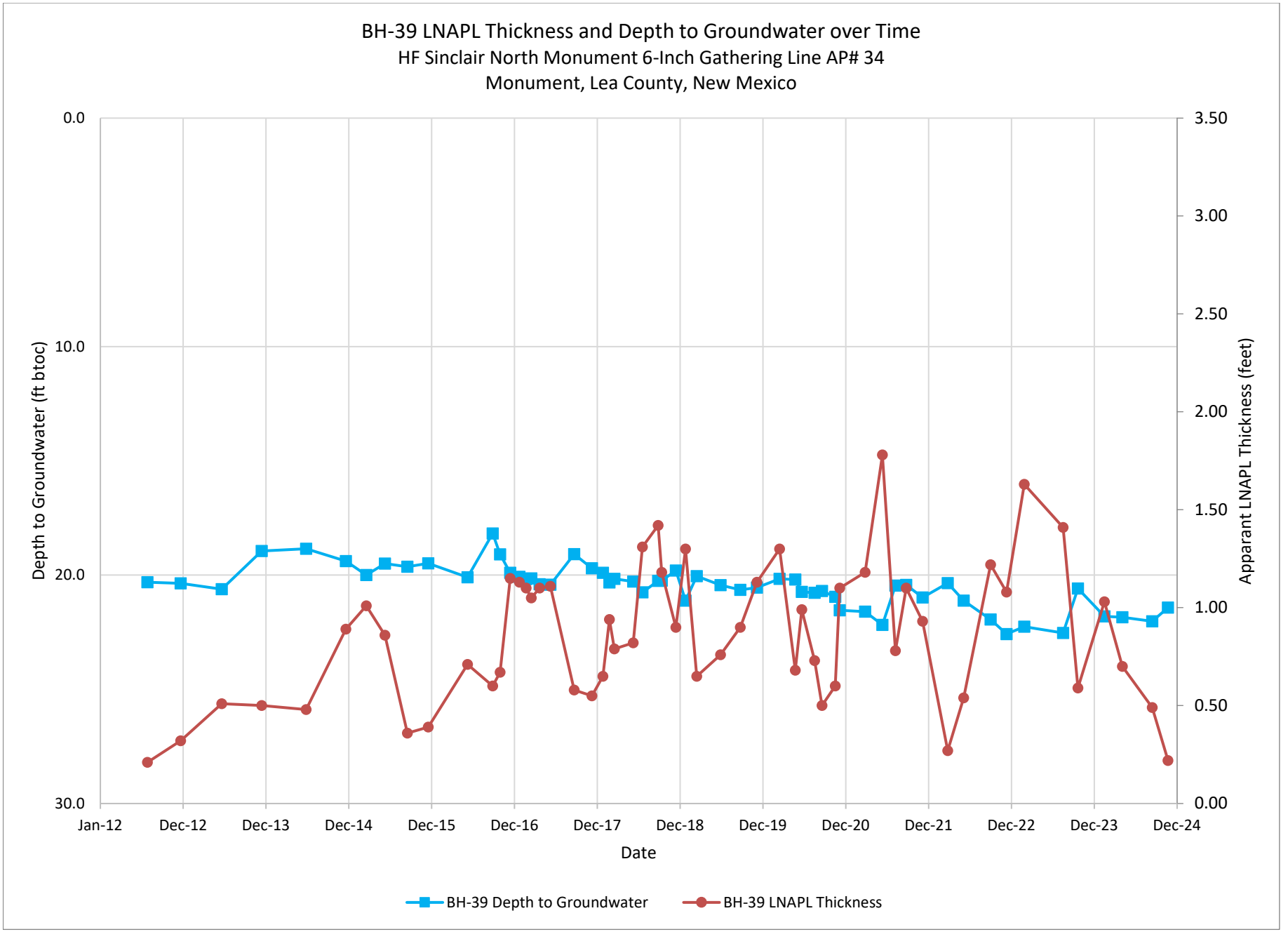
michael.holder@hfsinclair.com
www.HFSinclair.com

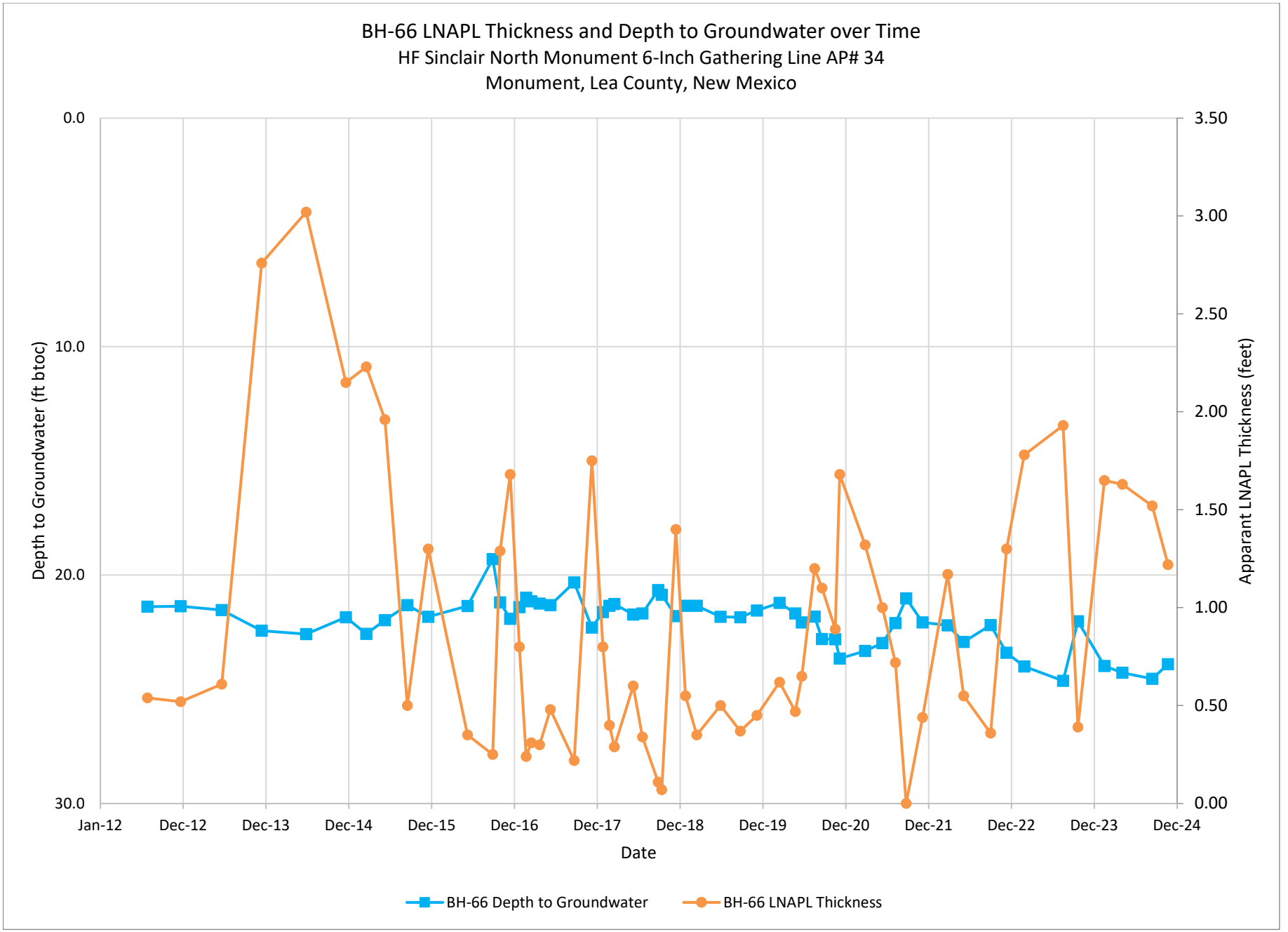
2828 N. Harwood, Ste 1300, Dallas, TX 75201

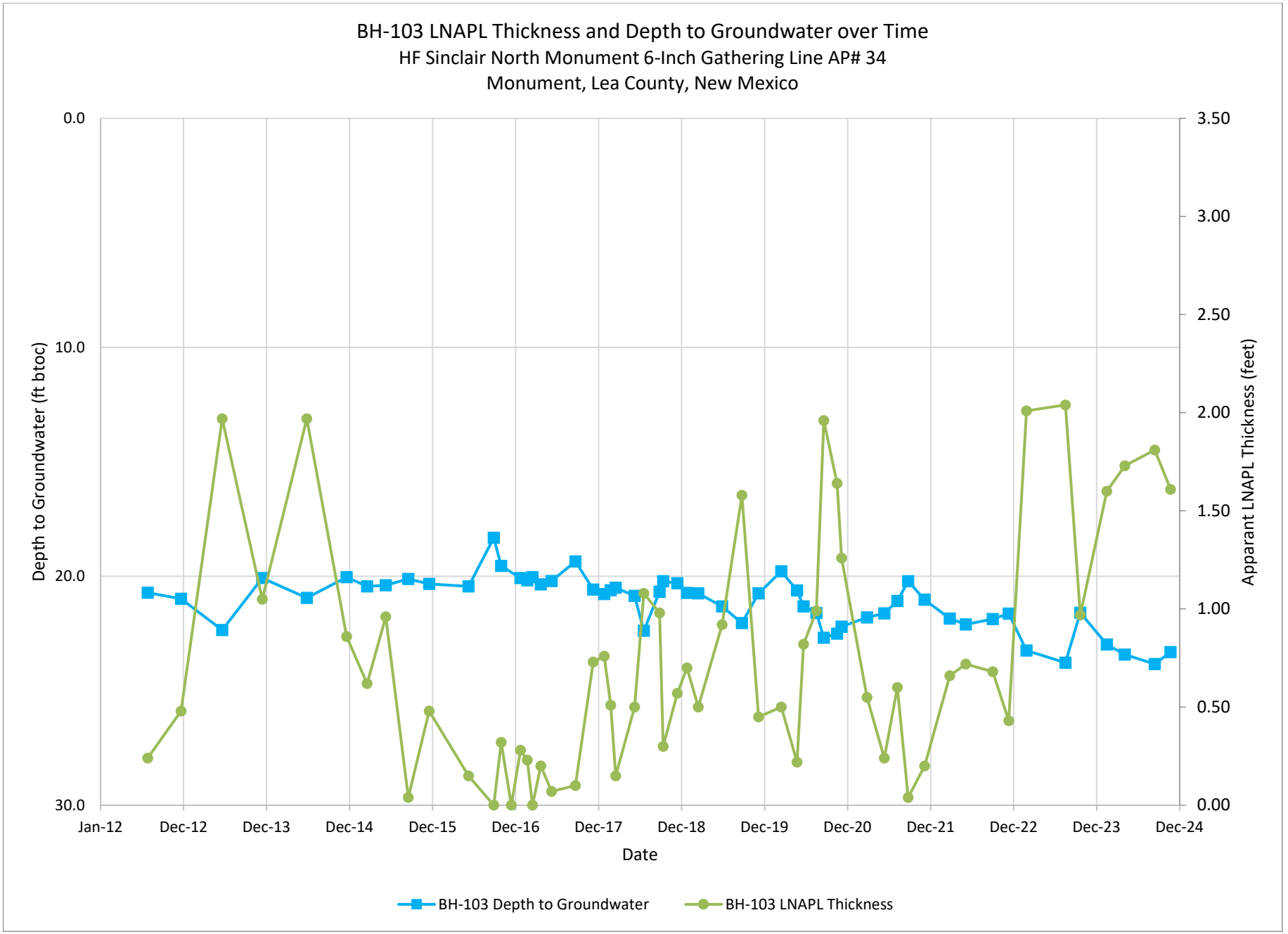
APPENDIX B

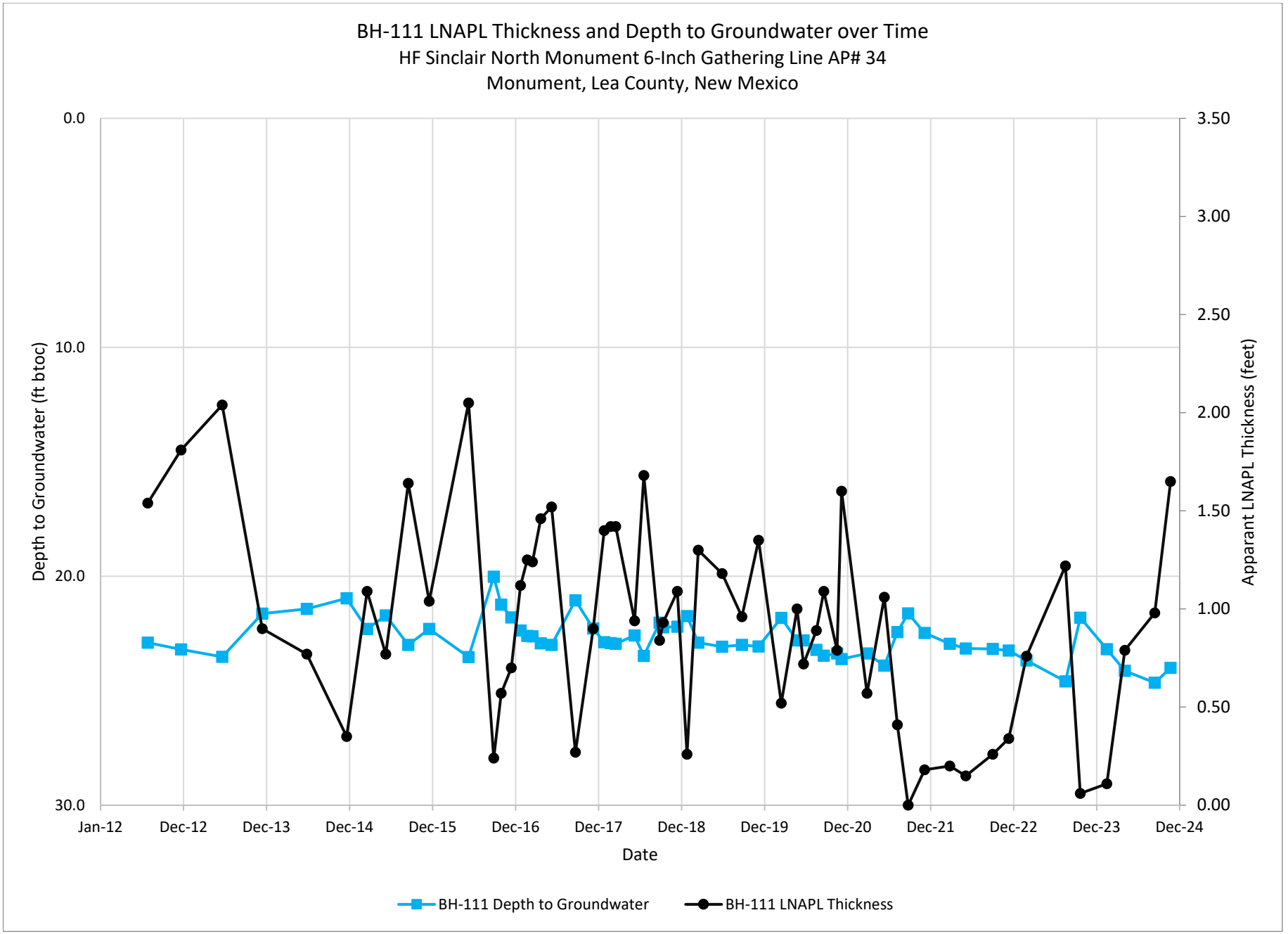
LNAPL THICKNESS AND DEPTH TO GROUNDWATER OVER TIME GRAPHS

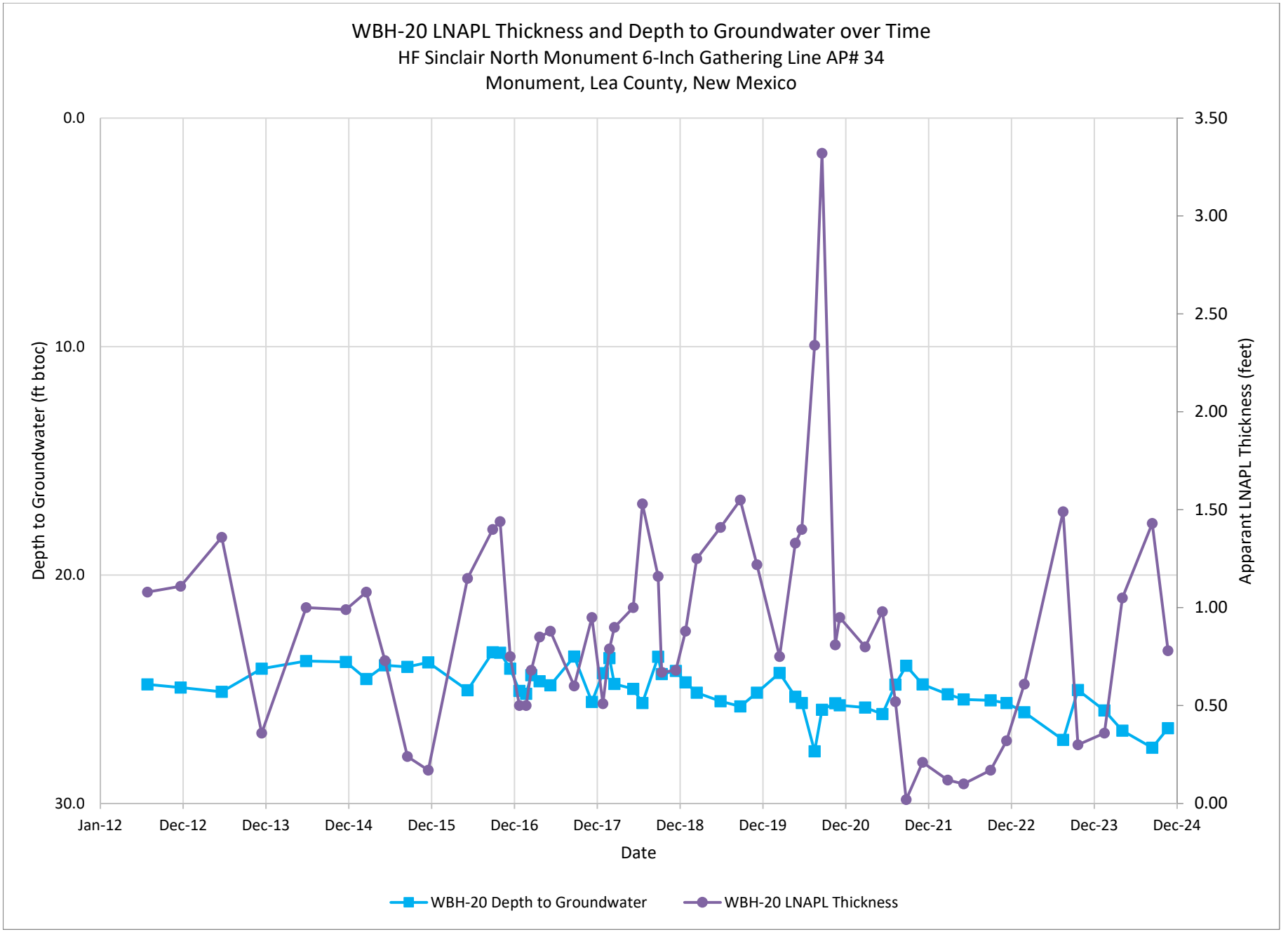

BH-17 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
BH-17 Depth to Groundwater
BH-17 LNAPL Thickness


BH-39 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
BH-39 Depth to Groundwater
BH-39 LNAPL Thickness


BH-66 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
BH-66 Depth to Groundwater
BH-66 LNAPL Thickness

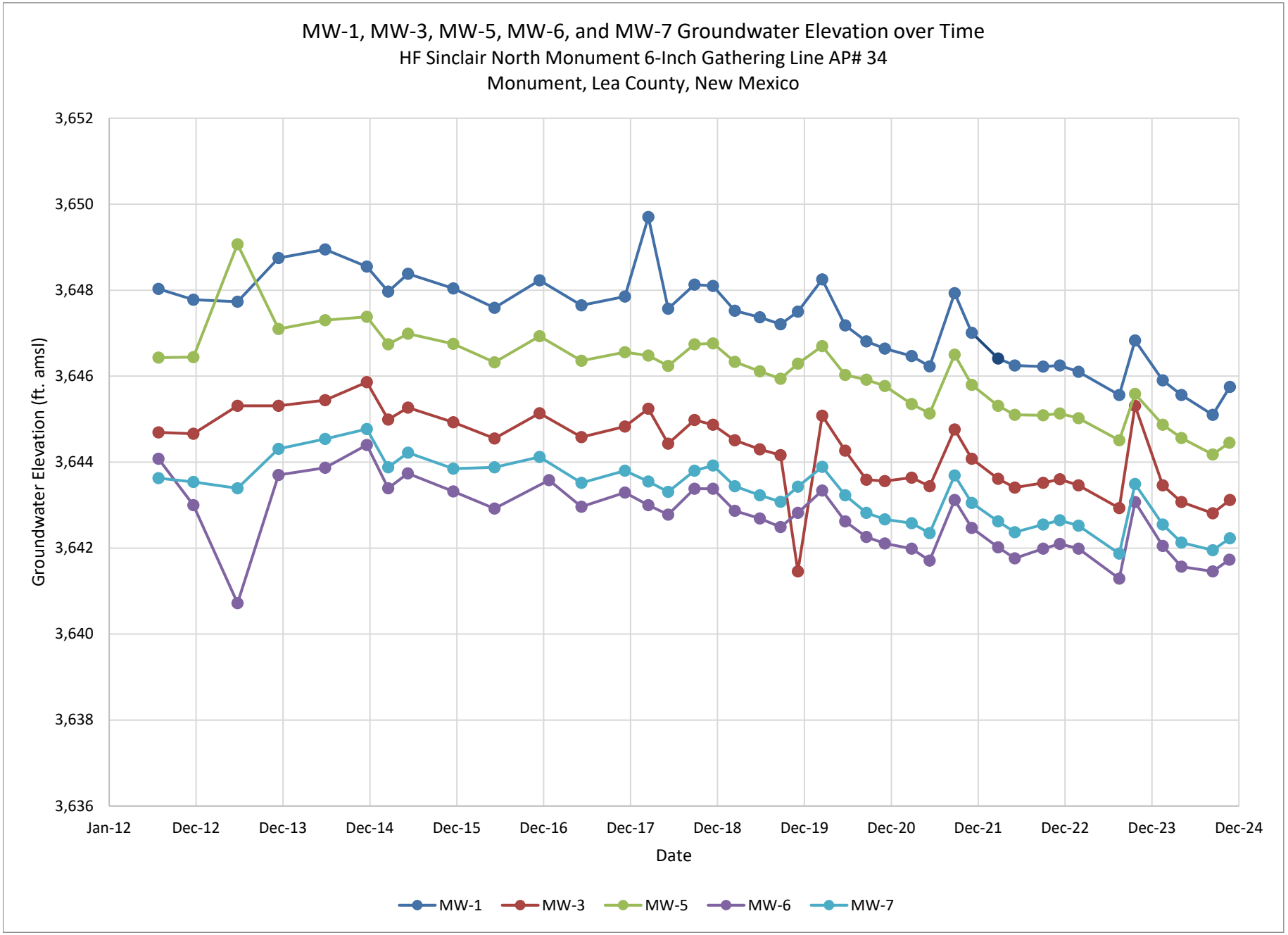

BH-103 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
BH-103 Depth to Groundwater
BH-103 LNAPL Thickness


BH-111 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
BH-111 Depth to Groundwater
BH-111 LNAPL Thickness


WBH-20 LNAPL Thickness and Depth to Groundwater over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Depth to Groundwater (ft btoc)
0.0
10.0
20.0
30.0
Apparant LNAPL Thickness (feet)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
WBH-20 Depth to Groundwater
WBH-20 LNAPL Thickness

APPENDIX C

MONITORING WELL GROUNDWATER ELEVATIONS OVER TIME GRAPH


MW-1, MW-3, MW-5, MW-6, and MW-7 Groundwater Elevation over Time
HF Sinclair North Monument 6-Inch Gathering Line AP# 34
Monument, Lea County, New Mexico
Groundwater Elevation (ft. amsl)
3,652
3,650
3,648
3,646
3,644
3,642
3,640
3,638
3,636
Jan-12
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Date
MW-1
MW-3
MW-5
MW-6
MW-7

APPENDIX D

LABORATORY REPORTS AND DATA REVIEW CHECKLISTS

February 21, 2024

Dana Helbert
TRC Environmental Corp.
505 East Huntland Drive #250
Austin, Texas 78752
TEL: (713) 306-9550
FAX:

Order No.: 2402179

RE: HFS N Monument

Dear Dana Helbert:

DHL Analytical, Inc. received 8 sample(s) on 2/14/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-23-29

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: www.dhlanalytical.com
Email: login@dhlanalytical.com

CHAIN-OF-CUSTODY

CLIENT: TRC Environmental Corp.
ADDRESS: 505 East Huntland Drive #250 Austin, Texas 78752
PHONE: (713) 306-9550 EMAIL: dhelbert@trccompanies.com
DATA REPORTED TO: Dana Helbert
ADD'L REPORT COPIES TO:

DATE: 02 13 24
PO#: 212044
LAB USE ONLY
DHL WORKORDER # 2402179
PROJECT LOCATION OR NAME: HFS N Monument
CLIENT PROJECT #: 574868
COLLECTOR: Robert Dicky

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

PRESERVATIVES
#/L
# = Number Bottles
L = Preserve Code
N = HNO3 S = H2SO4 H = HCL O = NaOH
Z = NaOH-ZN P = H3PO4 X = None/Ice

Field Sample I.D.	Lab Use Only DHL Lab #	Collection Date	Collection Time	Matrix	# of Containers	DRO	GRO WATER	VOC 8260_W	FIELD NOTES
MW-1	01	02 13 24	0845	AQUEOUS	7	1/X	3/H	3/H	
MW-3	02		1125	AQUEOUS	7	1/X	3/H	3/H	
MW-5	03		1025	AQUEOUS	7	1/X	3/H	3/H	
MW-7	04		1235	AQUEOUS	7	1/X	3/H	3/H	
MW-6	05		1326	AQUEOUS	7	1/X	3/H	3/H	
Duplicate-01	06		/	AQUEOUS	7	1/X	3/H	3/H	
EB-02-13-24-01	07	↓	1404	Aqueous	7	1/X	3/H	3/H	
Trip Blank	08	02 13 24	/	TRIP BLANK	4		2/H	2/H	
MS/MSD	05	021324	1330	Aqueous	5	4	AA	BB	

Relinquished By: (Sign) — DATE/TIME 02132419 40 — Received By: FedEx
Relinquished By: (Sign) FedEx — DATE/TIME 2/14/24 08:45 — Received By:
Relinquished By: (Sign) — DATE/TIME — Received By:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY ☐ RUSH-2 DAY ☐ RUSH-3 DAY ☐
NORMAL ☑ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY
RECEIVING TEMP (°C) 3.2°C THERMO #: 78
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES/NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☒ INTACT ☐ NOT USED
CARRIER:
☐ LSO ☒ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each

ORIGIN ID:HOBA (915) 222-1322
T R C ENVIRONMENTAL CORP
505 E HUNTLAND DR STE 250
AUSTIN, TX 78752
UNITED STATES US

SHIP DATE: 13FEB24
ACTWGT: 44.15 LB
CAD: 6994246/SSFE2500
DIMS: 13x22x13 IN
BILL THIRD PARTY

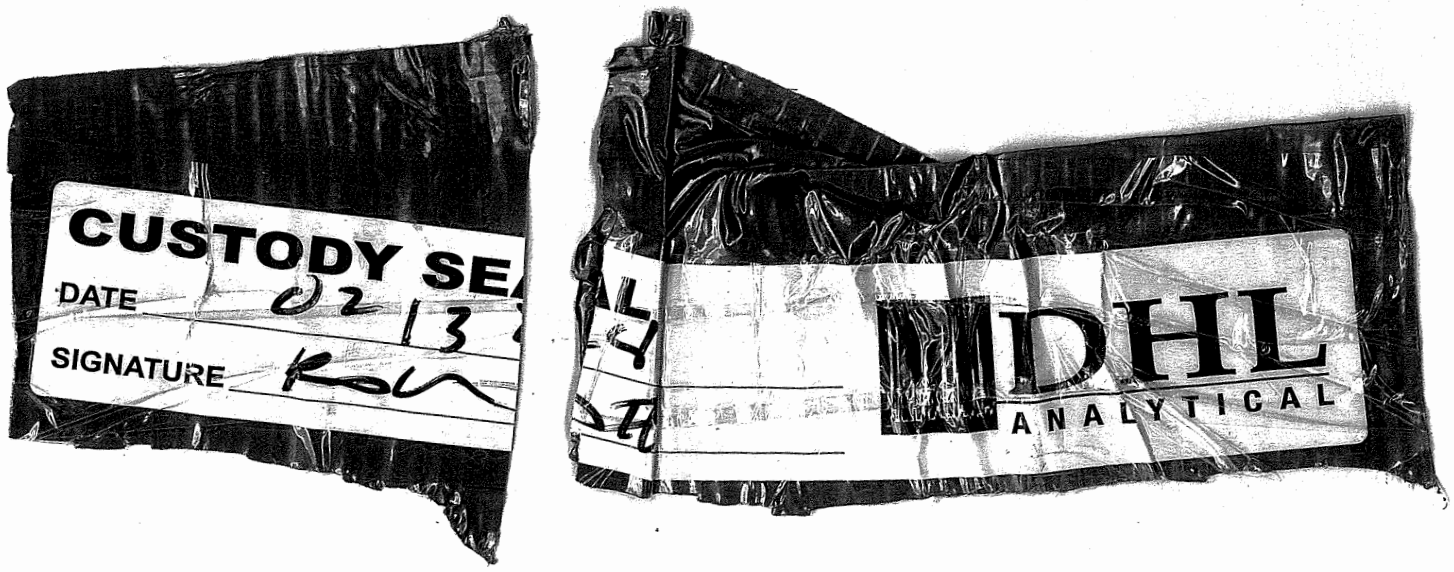
TO
DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664
(512) 388-8222 REF:
INV:
PO: DEPT:

FedEx Express

TRK# 0201 2709 5249 9467

WED - 14 FEB 10:30A
PRIORITY OVERNIGHT
AHS
78664
TX-US AUS

A8 BSMA



DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **TRC Environmental Corp.** Date Received: **2/14/2024**

Work Order Number: **2402179** Received by: **RA**

Checklist completed by: _____ 2/14/2024 Reviewed by: SH 2/14/2024
Signature | Date | Initials | Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1
Temp °C 3.2
Seal Intact Y

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: Two of Four TB vials broken in transit.

Corrective Action: Proceed with analysis using unbroken vials.

DHL Analytical, Inc. **Date:** *21-Feb-24*

CLIENT: TRC Environmental Corp.
Project: HFS N Monument
Lab Order: 2402179

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and Standard Methods.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT: TRC Environmental Corp.
Project: HFS N Monument
Lab Order: 2402179

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2402179-01	MW-1		02/13/24 08:45 AM	02/14/2024
2402179-02	MW-3		02/13/24 11:25 AM	02/14/2024
2402179-03	MW-5		02/13/24 10:25 AM	02/14/2024
2402179-04	MW-7		02/13/24 12:35 PM	02/14/2024
2402179-05	MW-6		02/13/24 01:36 PM	02/14/2024
2402179-06	Duplicate-01		02/13/24	02/14/2024
2402179-07	EB-02-13-24-01		02/13/24 02:04 PM	02/14/2024
2402179-08	Trip Blank		02/13/24	02/14/2024

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-1
Project:	HFS N Monument	**Lab ID:**	2402179-01
Project No:	524868	**Collection Date:**	02/13/24 08:45 AM
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.147	0.147	0.184		mg/L	1	02/16/24 10:53 AM
Surr: Isopropylbenzene	52.9	0	25-124		%REC	1	02/16/24 10:53 AM
Surr: Octacosane	82.0	0	51-124		%REC	1	02/16/24 10:53 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/16/24 01:06 PM
Surr: Tetrachlorethene	99.8	0	74-138		%REC	1	02/16/24 01:06 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:01 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:01 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 08:01 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:01 PM
Surr: 1,2-Dichloroethane-d4	92.9	0	72-119		%REC	1	02/15/24 08:01 PM
Surr: 4-Bromofluorobenzene	95.4	0	76-119		%REC	1	02/15/24 08:01 PM
Surr: Dibromofluoromethane	93.8	0	85-115		%REC	1	02/15/24 08:01 PM
Surr: Toluene-d8	98.8	0	81-120		%REC	1	02/15/24 08:01 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-3
Project:	HFS N Monument	**Lab ID:**	2402179-02
Project No:	524868	**Collection Date:**	02/13/24 11:25 AM
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.149	0.149	0.186		mg/L	1	02/16/24 11:02 AM
Surr: Isopropylbenzene	48.5	0	25-124		%REC	1	02/16/24 11:02 AM
Surr: Octacosane	71.0	0	51-124		%REC	1	02/16/24 11:02 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/16/24 01:28 PM
Surr: Tetrachlorethene	103	0	74-138		%REC	1	02/16/24 01:28 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:26 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:26 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 08:26 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:26 PM
Surr: 1,2-Dichloroethane-d4	92.6	0	72-119		%REC	1	02/15/24 08:26 PM
Surr: 4-Bromofluorobenzene	97.5	0	76-119		%REC	1	02/15/24 08:26 PM
Surr: Dibromofluoromethane	94.4	0	85-115		%REC	1	02/15/24 08:26 PM
Surr: Toluene-d8	99.5	0	81-120		%REC	1	02/15/24 08:26 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-5
Project:	HFS N Monument	**Lab ID:**	2402179-03
Project No:	524868	**Collection Date:**	02/13/24 10:25 AM
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.148	0.148	0.185		mg/L	1	02/16/24 11:11 AM
Surr: Isopropylbenzene	46.8	0	25-124		%REC	1	02/16/24 11:11 AM
Surr: Octacosane	78.6	0	51-124		%REC	1	02/16/24 11:11 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/16/24 01:50 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	02/16/24 01:50 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:50 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:50 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 08:50 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 08:50 PM
Surr: 1,2-Dichloroethane-d4	91.7	0	72-119		%REC	1	02/15/24 08:50 PM
Surr: 4-Bromofluorobenzene	97.5	0	76-119		%REC	1	02/15/24 08:50 PM
Surr: Dibromofluoromethane	94.5	0	85-115		%REC	1	02/15/24 08:50 PM
Surr: Toluene-d8	98.0	0	81-120		%REC	1	02/15/24 08:50 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-7
Project:	HFS N Monument	**Lab ID:**	2402179-04
Project No:	524868	**Collection Date:**	02/13/24 12:35 PM
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.147	0.147	0.184		mg/L	1	02/16/24 11:20 AM
Surr: Isopropylbenzene	49.3	0	25-124		%REC	1	02/16/24 11:20 AM
Surr: Octacosane	78.8	0	51-124		%REC	1	02/16/24 11:20 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/20/24 12:50 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	02/20/24 12:50 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:15 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:15 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 09:15 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:15 PM
Surr: 1,2-Dichloroethane-d4	91.1	0	72-119		%REC	1	02/15/24 09:15 PM
Surr: 4-Bromofluorobenzene	96.5	0	76-119		%REC	1	02/15/24 09:15 PM
Surr: Dibromofluoromethane	94.3	0	85-115		%REC	1	02/15/24 09:15 PM
Surr: Toluene-d8	99.3	0	81-120		%REC	1	02/15/24 09:15 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-6
Project:	HFS N Monument	**Lab ID:**	2402179-05
Project No:	524868	**Collection Date:**	02/13/24 01:36 PM
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	0.322	0.147	0.183		mg/L	1	02/16/24 11:29 AM
Surr: Isopropylbenzene	54.6	0	25-124		%REC	1	02/16/24 11:29 AM
Surr: Octacosane	78.6	0	51-124		%REC	1	02/16/24 11:29 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	0.336	0.0600	0.100		mg/L	1	02/16/24 02:36 PM
Surr: Tetrachlorethene	101	0	74-138		%REC	1	02/16/24 02:36 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:39 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:39 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 09:39 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 09:39 PM
Surr: 1,2-Dichloroethane-d4	92.8	0	72-119		%REC	1	02/15/24 09:39 PM
Surr: 4-Bromofluorobenzene	97.3	0	76-119		%REC	1	02/15/24 09:39 PM
Surr: Dibromofluoromethane	95.3	0	85-115		%REC	1	02/15/24 09:39 PM
Surr: Toluene-d8	100	0	81-120		%REC	1	02/15/24 09:39 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Duplicate-01
Project:	HFS N Monument	**Lab ID:**	2402179-06
Project No:	524868	**Collection Date:**	02/13/24
Lab Order:	2402179	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	0.244	0.147	0.184		mg/L	1	02/16/24 11:55 AM
Surr: Isopropylbenzene	42.4	0	25-124		%REC	1	02/16/24 11:55 AM
Surr: Octacosane	77.5	0	51-124		%REC	1	02/16/24 11:55 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	0.317	0.0600	0.100		mg/L	1	02/16/24 03:00 PM
Surr: Tetrachlorethene	104	0	74-138		%REC	1	02/16/24 03:00 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 10:04 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 10:04 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 10:04 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 10:04 PM
Surr: 1,2-Dichloroethane-d4	92.1	0	72-119		%REC	1	02/15/24 10:04 PM
Surr: 4-Bromofluorobenzene	95.7	0	76-119		%REC	1	02/15/24 10:04 PM
Surr: Dibromofluoromethane	94.9	0	85-115		%REC	1	02/15/24 10:04 PM
Surr: Toluene-d8	101	0	81-120		%REC	1	02/15/24 10:04 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	EB-02-13-24-01
Project:	HFS N Monument	**Lab ID:**	2402179-07
Project No:	524868	**Collection Date:**	02/13/24 02:04 PM
Lab Order:	2402179	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.147	0.147	0.184		mg/L	1	02/16/24 12:04 PM
Surr: Isopropylbenzene	43.6	0	25-124		%REC	1	02/16/24 12:04 PM
Surr: Octacosane	73.7	0	51-124		%REC	1	02/16/24 12:04 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/16/24 12:44 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	02/16/24 12:44 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 05:10 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 05:10 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 05:10 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 05:10 PM
Surr: 1,2-Dichloroethane-d4	92.9	0	72-119		%REC	1	02/15/24 05:10 PM
Surr: 4-Bromofluorobenzene	97.0	0	76-119		%REC	1	02/15/24 05:10 PM
Surr: Dibromofluoromethane	94.8	0	85-115		%REC	1	02/15/24 05:10 PM
Surr: Toluene-d8	97.9	0	81-120		%REC	1	02/15/24 05:10 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Trip Blank
Project:	HFS N Monument	**Lab ID:**	2402179-08
Project No:	524868	**Collection Date:**	02/13/24
Lab Order:	2402179	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	02/16/24 12:22 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	02/16/24 12:22 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 04:46 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 04:46 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	02/15/24 04:46 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	02/15/24 04:46 PM
Surr: 1,2-Dichloroethane-d4	91.7	0	72-119		%REC	1	02/15/24 04:46 PM
Surr: 4-Bromofluorobenzene	99.9	0	76-119		%REC	1	02/15/24 04:46 PM
Surr: Dibromofluoromethane	94.0	0	85-115		%REC	1	02/15/24 04:46 PM
Surr: Toluene-d8	99.1	0	81-120		%REC	1	02/15/24 04:46 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *21-Feb-24*

CLIENT: TRC Environmental Corp.
Work Order: 2402179
Project: HFS N Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_240216A

The QC data in batch 114015 applies to the following samples: 2402179-01C, 2402179-02C, 2402179-03C, 2402179-04C, 2402179-05C, 2402179-06C, 2402179-07C

Sample ID: **MB-114015** Batch ID: **114015** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_240216A** Analysis Date: **2/16/2024 10:27:13 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0452		0.1000		45.2	25	124			
Surr: Octacosane	0.0716		0.1000		71.6	51	124			

Sample ID: **LCS-114015** Batch ID: **114015** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_240216A** Analysis Date: **2/16/2024 10:36:05 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1.10	0.100	1.250	0	87.9	50	114			
Surr: Isopropylbenzene	0.0548		0.1000		54.8	25	124			
Surr: Octacosane	0.0803		0.1000		80.3	51	124			

Sample ID: **2402179-05CMS** Batch ID: **114015** TestNo: **M8015D** Units: **mg/L**
SampType: **MS** Run ID: **GC15_240216A** Analysis Date: **2/16/2024 11:38:06 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	4.49	0.397	4.968	0.3224	83.9	50	114			
Surr: Isopropylbenzene	0.197		0.3975		49.6	25	124			
Surr: Octacosane	0.312		0.3975		78.5	51	124			

Sample ID: **2402179-05CMSD** Batch ID: **114015** TestNo: **M8015D** Units: **mg/L**
SampType: **MSD** Run ID: **GC15_240216A** Analysis Date: **2/16/2024 11:46:58 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	4.44	0.392	4.902	0.3224	83.9	50	114	1.21	30	
Surr: Isopropylbenzene	0.201		0.3922		51.3	25	124	0	0	
Surr: Octacosane	0.303		0.3922		77.3	51	124	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2402179
Project: HFS N Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_240216A

The QC data in batch 114036 applies to the following samples: 2402179-01B, 2402179-02B, 2402179-03B, 2402179-04B, 2402179-05B, 2402179-06B, 2402179-07B, 2402179-08B

Sample ID: **LCS-114036** Batch ID: **114036** TestNo: **M8015V** Units: **mg/L**
SampType: **LCS** Run ID: **GC4_240216A** Analysis Date: **2/16/2024 10:32:10 AM** Prep Date: **2/16/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.76	0.100	2.500	0	110	67	136			
Surr: Tetrachlorethene	0.408		0.4000		102	74	138			

Sample ID: **LCSD-114036** Batch ID: **114036** TestNo: **M8015V** Units: **mg/L**
SampType: **LCSD** Run ID: **GC4_240216A** Analysis Date: **2/16/2024 10:54:12 AM** Prep Date: **2/16/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.70	0.100	2.500	0	108	67	136	2.24	30	
Surr: Tetrachlorethene	0.431		0.4000		108	74	138	0	0	

Sample ID: **MB-114036** Batch ID: **114036** TestNo: **M8015V** Units: **mg/L**
SampType: **MBLK** Run ID: **GC4_240216A** Analysis Date: **2/16/2024 12:00:07 PM** Prep Date: **2/16/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	<0.0600	0.100								
Surr: Tetrachlorethene	0.389		0.4000		97.3	74	138			

Sample ID: **2402179-05BMS** Batch ID: **114036** TestNo: **M8015V** Units: **mg/L**
SampType: **MS** Run ID: **GC4_240216A** Analysis Date: **2/16/2024 3:23:54 PM** Prep Date: **2/16/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.87	0.100	2.500	0.3361	101	67	136			
Surr: Tetrachlorethene	0.375		0.4000		93.8	74	138			

Sample ID: **2402179-05BMSD** Batch ID: **114036** TestNo: **M8015V** Units: **mg/L**
SampType: **MSD** Run ID: **GC4_240216A** Analysis Date: **2/16/2024 3:46:56 PM** Prep Date: **2/16/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.95	0.100	2.500	0.3361	104	67	136	2.84	30	
Surr: Tetrachlorethene	0.370		0.4000		92.6	74	138	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2402179
Project: HFS N Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_240220A

The QC data in batch 114095 applies to the following samples: 2402179-04B

Sample ID: **LCS-114095**	Batch ID: **114095**	TestNo: **M8015V**	Units: **mg/L**
SampType: **LCS**	Run ID: **GC4_240220A**	Analysis Date: **2/20/2024 10:59:04 AM**	Prep Date: **2/20/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.67	0.100	2.500	0	107	67	136			
Surr: Tetrachlorethene	0.404		0.4000		101	74	138			

Sample ID: **LCSD-114095**	Batch ID: **114095**	TestNo: **M8015V**	Units: **mg/L**
SampType: **LCSD**	Run ID: **GC4_240220A**	Analysis Date: **2/20/2024 11:21:20 AM**	Prep Date: **2/20/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.72	0.100	2.500	0	109	67	136	1.84	30	
Surr: Tetrachlorethene	0.424		0.4000		106	74	138	0	0	

Sample ID: **MB-114095**	Batch ID: **114095**	TestNo: **M8015V**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GC4_240220A**	Analysis Date: **2/20/2024 12:27:29 PM**	Prep Date: **2/20/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	<0.0600	0.100								
Surr: Tetrachlorethene	0.392		0.4000		98.0	74	138			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2402179
Project: HFS N Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_240215A

The QC data in batch 114010 applies to the following samples: 2402179-01A, 2402179-02A, 2402179-03A, 2402179-04A, 2402179-05A, 2402179-06A, 2402179-07A, 2402179-08A

Sample ID: **LCS-114010** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS7_240215A** Analysis Date: **2/15/2024 10:06:00 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0202	0.00100	0.0232	0	87.0	81	122			
Ethylbenzene	0.0233	0.00100	0.0232	0	101	80	120			
Toluene	0.0206	0.00200	0.0232	0	88.9	80	120			
Total Xylenes	0.0710	0.00100	0.0696	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	185		200.0		92.4	72	119			
Surr: 4-Bromofluorobenzene	195		200.0		97.6	76	119			
Surr: Dibromofluoromethane	189		200.0		94.4	85	115			
Surr: Toluene-d8	200		200.0		99.8	81	120			

Sample ID: **MB-114010** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS7_240215A** Analysis Date: **2/15/2024 11:03:00 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Toluene	<0.000600	0.00200								
Total Xylenes	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	186		200.0		92.8	72	119			
Surr: 4-Bromofluorobenzene	197		200.0		98.3	76	119			
Surr: Dibromofluoromethane	188		200.0		93.9	85	115			
Surr: Toluene-d8	195		200.0		97.6	81	120			

Sample ID: **2402173-02AMS** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MS** Run ID: **GCMS7_240215A** Analysis Date: **2/15/2024 11:17:00 PM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.398	0.0200	0.464	0	85.7	81	122			
Ethylbenzene	0.459	0.0200	0.464	0	98.9	80	120			
Toluene	0.404	0.0400	0.464	0	87.0	80	120			
Total Xylenes	1.37	0.0200	1.39	0	98.6	80	120			
Surr: 1,2-Dichloroethane-d4	3670		4000		91.6	72	119			
Surr: 4-Bromofluorobenzene	3770		4000		94.3	76	119			
Surr: Dibromofluoromethane	3770		4000		94.4	85	115			
Surr: Toluene-d8	3910		4000		97.8	81	120			

Sample ID: **2402173-02AMSD** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS7_240215A** Analysis Date: **2/15/2024 11:41:00 PM** Prep Date: **2/15/2024**

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

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2402179
Project: HFS N Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_240215A

Sample ID: **2402173-02AMSD** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS7_240215A** Analysis Date: **2/15/2024 11:41:00 PM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.390	0.0200	0.464	0	84.1	81	122	1.83	20	
Ethylbenzene	0.451	0.0200	0.464	0	97.2	80	120	1.80	20	
Toluene	0.396	0.0400	0.464	0	85.4	80	120	1.85	20	
Total Xylenes	1.35	0.0200	1.39	0	97.3	80	120	1.38	20	
Surr: 1,2-Dichloroethane-d4	3830		4000		95.8	72	119	0	0	
Surr: 4-Bromofluorobenzene	3810		4000		95.1	76	119	0	0	
Surr: Dibromofluoromethane	3800		4000		94.9	85	115	0	0	
Surr: Toluene-d8	3900		4000		97.4	81	120	0	0	

Sample ID: **2402179-05AMS** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MS** Run ID: **GCMS7_240215A** Analysis Date: **2/16/2024 12:06:00 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0203	0.00100	0.0232	0	87.5	81	122			
Ethylbenzene	0.0236	0.00100	0.0232	0	102	80	120			
Toluene	0.0212	0.00200	0.0232	0	91.2	80	120			
Total Xylenes	0.0713	0.00100	0.0696	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	191		200.0		95.3	72	119			
Surr: 4-Bromofluorobenzene	192		200.0		95.8	76	119			
Surr: Dibromofluoromethane	189		200.0		94.4	85	115			
Surr: Toluene-d8	204		200.0		102	81	120			

Sample ID: **2402179-05AMSD** Batch ID: **114010** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS7_240215A** Analysis Date: **2/16/2024 12:30:00 AM** Prep Date: **2/15/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0204	0.00100	0.0232	0	87.9	81	122	0.393	20	
Ethylbenzene	0.0239	0.00100	0.0232	0	103	80	120	1.47	20	
Toluene	0.0210	0.00200	0.0232	0	90.3	80	120	0.902	20	
Total Xylenes	0.0724	0.00100	0.0696	0	104	80	120	1.43	20	
Surr: 1,2-Dichloroethane-d4	186		200.0		93.2	72	119	0	0	
Surr: 4-Bromofluorobenzene	193		200.0		96.4	76	119	0	0	
Surr: Dibromofluoromethane	188		200.0		94.0	85	115	0	0	
Surr: Toluene-d8	204		200.0		102	81	120	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Analytical Data Review Checklist		
Site: North Monument Release Site Location: Lea County, NM Client Name: HF Sinclair Project #: 574868.0000.0000	Laboratory: DHL Analytical (Round Rock, TX) Laboratory Report #(s): 2402179	QA Reviewer: Megan Yonts Date: 08/01/2024 Peer Reviewer: Amy Bass Date: 08/02/2024
Analytical Method(s): BTEX (SW-846 8260D); TPH GRO (SW-846 8015); TPH DRO (SW-846 8015)	Matrices Sampled: Groundwater; aqueous QA/QC samples	Sample Collection Date(s): 02/13/2024
Sampling Objective(s): Quarterly Groundwater Monitoring		
Sample IDs: Refer to laboratory data package.		

	Review Item or Question	Y	N	NA	Comments[1]
Usability Assessment					
	Sample Traceability / Chain of Custody				
1	Was the COC form appropriately completed?		X		Sample preservation was not indicated on the COC.
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC form?	X			
	Sample Preservation and Integrity				
4	Did samples arrive at the laboratory appropriately preserved? Was the cooler temperature between 0-6°C when required? Was acid used for preservation when required (e.g., aqueous VOC and metals samples)? Were soil/sediment VOC and TPH samples preserved in the field or collected in EnCore® samplers when required?	X X X		 X	Acid preservation could not be verified for the BTEX and TPH GRO sample containers. These analyses were performed within 7 days after collection; therefore, acid preservation was not required.
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?		X		The Sample Receipt Checklist noted that two out of four trip blank vials were broken during transit. The requested analyses were performed using the intact containers.
6	Were any issues noted by the laboratory upon receipt?	X			Refer to Item 5.
7	Were sample preparation and analysis HT requirements met?	X			

	Review Item or Question	Y	N	NA	Comments[1]
8	Air Samples Collected in Evacuated Canisters Only: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
	Data Completeness				
9	Are results reported for all analytical methods requested?	X			
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?			X	
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	No sample results were reported in this concentration range.
15	Did the laboratory provide the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			Level II laboratory report.
	Sensitivity				
16	Do the detection limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Did the laboratory utilize the correct detection limits (e.g., QLs, RLs, MDLs, LODs, etc.)?	X			
18	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
19	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
	QC Results				
20	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
21	Does each analytical or preparation batch have its own method blank?	X			
22	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples.		X		Equipment Blank: EB-02-13-24-01 Trip Blank: Trip Blank

	Review Item or Question	Y	N	NA	Comments[1]
23	Are there any potential false positive results based on questions 20 and/or 22? Note: This project reports analyte concentrations only down to the QL (no MDLs reported); therefore, there are no laboratory J-qualified results. Based on this data protocol, qualification of the data was performed as follows: • Sample results ≥QL but < the associated blank action limit were qualified as nondetects (U) at the reported concentration (organics) or as estimated with a potential high bias (J+) (inorganics). Action limits are calculated as 2x blank concentration for organics and 10x blank concentration for inorganics. • Qualification was not required for nondetect (ND) results or for positive results ≥ the associated blank action limit.		X		
24	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
25	Does each analytical or preparation batch have its own LCS?	X			
26	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.	X			
27	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses were performed on project sample MW-6 for TPH DRO/GRO and BTEX.
28	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required, If no, list analytes affected, the RPDs and the sample that was spiked.	X			
29	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	

	Review Item or Question	Y	N	NA	Comments[1]
30	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. NOTE: Typical criteria are RPD ≤50 for solid samples and RPD ≤30 for aqueous samples when results are >5x the reporting limit; otherwise, these RPD criteria are doubled, OR these results may be evaluated based on the AbsD, which should be ≤2×QL for solid samples or ≤QL for aqueous samples.	X			Field duplicate pair MW-6 and Duplicate-01 met project criteria.
31	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
	Laboratory Comments				
32	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)? If yes, list the comments that have potential impact to sample results (or attach laboratory narrative and highlight the comments that have potential impact to sample results).		X		
33	Were any other potential data quality issues identified? If yes, describe issues.		X		
	Do the Data Make Sense?				
34	Do any results look suspect or questionable? If yes, ASK THE LAB and CONTACT the project team!		X		
35	Has the EDD been compared with the laboratory report?	X			

(1) Validation actions are generally based on the following EPA National Functional Guidelines documents(s) but may be modified based on project requirements or professional judgement: EPA National Functional Guidelines for Organic/Inorganic Superfund Methods Data Review (EPA-540-R-20-005/EPA-542-R-20-006), November 2020

Acronyms:

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
COC = Chain of Custody
DRO = Diesel Range Organics
EDD = Electronic Data Deliverable
GRO = Gasoline Range Organics
HT = Holding Time
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
LOD = Limit of Detection
MDL = Method Detection Limit
MS/MSD = Matrix Spike / Matrix Spike Duplicate
ND = Nondetect
QA = Quality Assurance
QC = Quality Control
QL = Quantitation Limit
RL = Reporting Limit

Review Item or Question	Y	N	NA	Comments[1]
RPD = Relative Percent Difference = 100% ×|(A-B)/((A+B)/2)| TPH = Total Petroleum Hydrocarbons **Definitions of Data Qualifiers (USEPA)**: None **Additional Comments**: None				

May 13, 2024

Dana Helbert
TRC Environmental Corp.
505 East Huntland Drive #250
Austin, Texas 78752
TEL: (713) 306-9550
FAX:

Order No.: 2405045

RE: HFS N. Monument Pipeline Release Site

Dear Dana Helbert:

DHL Analytical, Inc. received 8 sample(s) on 5/3/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: **www.dhlanalytical.com**
Email: **login@dhlanalytical.com**

CHAIN-OF-CUSTODY

CLIENT: TRC / HFS Austin, TX
ADDRESS: 505 E. Huntland Dr Ste 250
PHONE: 713-306-9550 EMAIL: dhelbert@trcsolutions.com
DATA REPORTED TO: Dana Helbert
ADDITIONAL REPORT COPIES TO:

DATE: 5/2/24
PO#: 212044

LAB USE ONLY
DHL WORKORDER #: 2405045

PROJECT LOCATION OR NAME: HFS N. Monument Pipeline Release Site
CLIENT PROJECT # 574868 COLLECTOR: Robert Nisley

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

Lab Use Only

W=WATER L=LIQUID S=SOLID SO=SOLID SE=SEDIMENT P=PAINT SL=SLUDGE

PRESERVATION: HCL ☑ H_3PO_4 ☐ HNO_3 H_2SO_4 NaOH ☐ Zn Acetate ☐ ICE ☑ UNPRESERVED ☐

ANALYSES: BTEX ☑ MTBE ☐ [METHOD 8260] · TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ · GRO 8015 ☑ DRO 8015 ☑ · VOC 8260 ☐ VOC 624.1 ☐ · SVOC 8270 ☐ SVOC 625.1 ☐ · PAH 8270 ☐ HOLD PAH ☐ · PEST 8270 ☐ 625.1 ☐ O-P PEST 8270 ☐ · PCB 8082 ☐ 608.3 ☐ PCB 8270 ☐ 625.1 ☐ · HERB 8321 ☐ T PHOS ☐ AMMONIA ☐ · METALS 6020 ☐ 200.8 ☐ DISS. METALS ☐ · RCRA 8 ☐ TX11 ☐ _____ · pH☐ HEX CHROM☐ ALKALINITY☐ COD☐ · ANIONS 300 ☐ 9056 ☐ _____ · TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ · TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ · RCI ☐ IGN ☐ DGAS ☐ OIL&GREASE ☐ · TDS ☐ TSS ☐ % MOIST ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Collection Date	Collection Time	Matrix	Container Type	# of Containers	FIELD NOTES
mw-1	01	5/2/24	0905	GW	250/40	7	
mw-5	02		1005				
mw-3	03		1050				
mw-7	04		1130				
mw-6	05		1230				
Duplicate-01	06	5/2/24	—		250/40	7	
TB-05-02-24-01	07	—	—	W	40V	2	No TPH
EB-001	08	5/2/24	1245	W	250/40	7	

Relinquished By: (Sign) — DATE/TIME 5/2/24 1500 — Received by: Fedex
Relinquished By: (Sign) Fedex — DATE/TIME 5/3/24 0843 — Received by:
Relinquished By: (Sign) — DATE/TIME — Received by:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY☐ RUSH-2 DAY☐ RUSH-3 DAY☐
NORMAL ☐ OTHER ☐
DUE DATE _____ ☐

LAB USE ONLY THERMO #: 78
RECEIVING TEMP (°C): 1.1°C
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES / NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☑ INTACT ☐ NOT USED
CARRIER: ☐ LSO ☑ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each

DHL COC REV 4 | MAR 2023

ORIGIN ID:HOBA (915) 222-1322
T R C ENVIRONMENTAL CORP
505 E HUNTLAND DR STE 250
AUSTIN, TX 78752
UNITED STATES US

SHIP DATE: 02MAY24
ACTWGT: 21.45 LB
CAD: 6994246/SSFE2500
DIMS: 23x13x14 IN
BILL THIRD PARTY

TO
DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664
(512) 388-8222 REF:
INV:
PO: DEPT:

FedEx Express

FRI - 03 MAY 10:30A
PRIORITY OVERNIGHT
AHS
78664
TX-US AUS

TRK# 0201 2741 7662 0860

A8 BSMA

DHL ANALYTICAL

CUSTODY SEAL
DATE 5/2/24
SIGNATURE

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **TRC Environmental Corp.** Date Received: **5/3/2024**

Work Order Number: **2405045** Received by: **KAO**

Checklist completed by: _____ 5/3/2024 Reviewed by: PL 5/3/2024
Signature | Date | Initials | Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1

Temp °C 1.1

Seal Intact Y

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

Page 1 of 1

DHL Analytical, Inc. **Date:** *13-May-24*

CLIENT: TRC Environmental Corp.
Project: HFS N. Monument Pipeline Release Site
Lab Order: 2405045

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and Standard Methods.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT: TRC Environmental Corp.
Project: HFS N. Monument Pipeline Release Site
Lab Order: 2405045

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2405045-01	MW-1		05/02/24 09:05 AM	05/03/2024
2405045-02	MW-5		05/02/24 10:05 AM	05/03/2024
2405045-03	MW-3		05/02/24 10:50 AM	05/03/2024
2405045-04	MW-7		05/02/24 11:30 AM	05/03/2024
2405045-05	MW-6		05/02/24 12:30 PM	05/03/2024
2405045-06	Duplicate-01		05/02/24	05/03/2024
2405045-07	TB-05-02-24-01		05/02/24	05/03/2024
2405045-08	EB-001		05/02/24 12:45 PM	05/03/2024

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-1
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-01
Project No:	574868	**Collection Date:**	05/02/24 09:05 AM
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.156	0.156	0.195		mg/L	1	05/13/24 12:40 PM
Surr: Isopropylbenzene	41.9	0	25-124		%REC	1	05/13/24 12:40 PM
Surr: Octacosane	69.6	0	51-124		%REC	1	05/13/24 12:40 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	05/10/24 01:51 PM
Surr: Tetrachlorethene	106	0	74-138		%REC	1	05/10/24 01:51 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:18 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:18 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 03:18 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:18 PM
Surr: 1,2-Dichloroethane-d4	95.3	0	72-119		%REC	1	05/03/24 03:18 PM
Surr: 4-Bromofluorobenzene	97.2	0	76-119		%REC	1	05/03/24 03:18 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	05/03/24 03:18 PM
Surr: Toluene-d8	95.4	0	81-120		%REC	1	05/03/24 03:18 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-5
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-02
Project No:	574868	**Collection Date:**	05/02/24 10:05 AM
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.167	0.167	0.209		mg/L	1	05/13/24 12:49 PM
Surr: Isopropylbenzene	42.6	0	25-124		%REC	1	05/13/24 12:49 PM
Surr: Octacosane	68.0	0	51-124		%REC	1	05/13/24 12:49 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	05/10/24 02:13 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	05/10/24 02:13 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:43 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:43 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 03:43 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 03:43 PM
Surr: 1,2-Dichloroethane-d4	95.2	0	72-119		%REC	1	05/03/24 03:43 PM
Surr: 4-Bromofluorobenzene	95.7	0	76-119		%REC	1	05/03/24 03:43 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	05/03/24 03:43 PM
Surr: Toluene-d8	94.9	0	81-120		%REC	1	05/03/24 03:43 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-3
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-03
Project No:	574868	**Collection Date:**	05/02/24 10:50 AM
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.155	0.155	0.193		mg/L	1	05/13/24 12:58 PM
Surr: Isopropylbenzene	40.1	0	25-124		%REC	1	05/13/24 12:58 PM
Surr: Octacosane	73.2	0	51-124		%REC	1	05/13/24 12:58 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	05/10/24 02:35 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	05/10/24 02:35 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:08 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:08 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 04:08 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:08 PM
Surr: 1,2-Dichloroethane-d4	94.8	0	72-119		%REC	1	05/03/24 04:08 PM
Surr: 4-Bromofluorobenzene	97.7	0	76-119		%REC	1	05/03/24 04:08 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	05/03/24 04:08 PM
Surr: Toluene-d8	93.5	0	81-120		%REC	1	05/03/24 04:08 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-7
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-04
Project No:	574868	**Collection Date:**	05/02/24 11:30 AM
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.154	0.154	0.193		mg/L	1	05/13/24 01:07 PM
Surr: Isopropylbenzene	48.6	0	25-124		%REC	1	05/13/24 01:07 PM
Surr: Octacosane	72.4	0	51-124		%REC	1	05/13/24 01:07 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	05/10/24 02:57 PM
Surr: Tetrachlorethene	96.8	0	74-138		%REC	1	05/10/24 02:57 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:33 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:33 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 04:33 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:33 PM
Surr: 1,2-Dichloroethane-d4	96.0	0	72-119		%REC	1	05/03/24 04:33 PM
Surr: 4-Bromofluorobenzene	94.7	0	76-119		%REC	1	05/03/24 04:33 PM
Surr: Dibromofluoromethane	103	0	85-115		%REC	1	05/03/24 04:33 PM
Surr: Toluene-d8	95.8	0	81-120		%REC	1	05/03/24 04:33 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-6
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-05
Project No:	574868	**Collection Date:**	05/02/24 12:30 PM
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	0.253	0.151	0.189		mg/L	1	05/13/24 01:16 PM
Surr: Isopropylbenzene	44.2	0	25-124		%REC	1	05/13/24 01:16 PM
Surr: Octacosane	69.8	0	51-124		%REC	1	05/13/24 01:16 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	0.299	0.0600	0.100		mg/L	1	05/10/24 03:20 PM
Surr: Tetrachlorethene	93.4	0	74-138		%REC	1	05/10/24 03:20 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:58 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:58 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 04:58 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 04:58 PM
Surr: 1,2-Dichloroethane-d4	95.0	0	72-119		%REC	1	05/03/24 04:58 PM
Surr: 4-Bromofluorobenzene	93.0	0	76-119		%REC	1	05/03/24 04:58 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	05/03/24 04:58 PM
Surr: Toluene-d8	97.2	0	81-120		%REC	1	05/03/24 04:58 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Duplicate-01
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-06
Project No:	574868	**Collection Date:**	05/02/24
Lab Order:	2405045	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.154	0.154	0.193		mg/L	1	05/13/24 01:24 PM
Surr: Isopropylbenzene	47.3	0	25-124		%REC	1	05/13/24 01:24 PM
Surr: Octacosane	72.7	0	51-124		%REC	1	05/13/24 01:24 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	0.261	0.0600	0.100		mg/L	1	05/10/24 03:42 PM
Surr: Tetrachlorethene	93.5	0	74-138		%REC	1	05/10/24 03:42 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 05:23 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 05:23 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 05:23 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 05:23 PM
Surr: 1,2-Dichloroethane-d4	95.4	0	72-119		%REC	1	05/03/24 05:23 PM
Surr: 4-Bromofluorobenzene	95.9	0	76-119		%REC	1	05/03/24 05:23 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	05/03/24 05:23 PM
Surr: Toluene-d8	97.8	0	81-120		%REC	1	05/03/24 05:23 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	TB-05-02-24-01
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-07
Project No:	574868	**Collection Date:**	05/02/24
Lab Order:	2405045	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:04 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:04 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 02:04 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:04 PM
Surr: 1,2-Dichloroethane-d4	93.8	0	72-119		%REC	1	05/03/24 02:04 PM
Surr: 4-Bromofluorobenzene	94.2	0	76-119		%REC	1	05/03/24 02:04 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	05/03/24 02:04 PM
Surr: Toluene-d8	95.5	0	81-120		%REC	1	05/03/24 02:04 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *13-May-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	EB-001
Project:	HFS N. Monument Pipeline Release Site	**Lab ID:**	2405045-08
Project No:	574868	**Collection Date:**	05/02/24 12:45 PM
Lab Order:	2405045	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **BTJ**
TPH-DRO C10-C28	<0.156	0.156	0.195		mg/L	1	05/13/24 01:33 PM
Surr: Isopropylbenzene	45.1	0	25-124		%REC	1	05/13/24 01:33 PM
Surr: Octacosane	69.8	0	51-124		%REC	1	05/13/24 01:33 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **BTJ**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	05/10/24 01:28 PM
Surr: Tetrachlorethene	92.1	0	74-138		%REC	1	05/10/24 01:28 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:29 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:29 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	05/03/24 02:29 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	05/03/24 02:29 PM
Surr: 1,2-Dichloroethane-d4	94.9	0	72-119		%REC	1	05/03/24 02:29 PM
Surr: 4-Bromofluorobenzene	99.0	0	76-119		%REC	1	05/03/24 02:29 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	05/03/24 02:29 PM
Surr: Toluene-d8	96.0	0	81-120		%REC	1	05/03/24 02:29 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc. **Date:** *13-May-24*

CLIENT: TRC Environmental Corp.
Work Order: 2405045
Project: HFS N. Monument Pipeline Release Site

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_240513A

The QC data in batch 115289 applies to the following samples: 2405045-01C, 2405045-02C, 2405045-03C, 2405045-04C, 2405045-05C, 2405045-06C, 2405045-08C

Sample ID: **MB-115289** Batch ID: **115289** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_240513A** Analysis Date: **5/13/2024 11:18:39 AM** Prep Date: **5/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0313		0.1000		31.3	25	124			
Surr: Octacosane	0.0648		0.1000		64.8	51	124			

Sample ID: **LCS-115289** Batch ID: **115289** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_240513A** Analysis Date: **5/13/2024 11:27:30 AM** Prep Date: **5/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.900	0.100	1.250	0	72.0	50	114			
Surr: Isopropylbenzene	0.0398		0.1000		39.8	25	124			
Surr: Octacosane	0.0659		0.1000		65.9	51	124			

Sample ID: **LCSD-115289** Batch ID: **115289** TestNo: **M8015D** Units: **mg/L**
SampType: **LCSD** Run ID: **GC15_240513A** Analysis Date: **5/13/2024 11:36:22 AM** Prep Date: **5/7/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.962	0.100	1.250	0	76.9	50	114	6.67	30	
Surr: Isopropylbenzene	0.0454		0.1000		45.4	25	124	0	0	
Surr: Octacosane	0.0715		0.1000		71.5	51	124	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2405045
Project: HFS N. Monument Pipeline Release Site

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_240510A

The QC data in batch 115355 applies to the following samples: 2405045-01B, 2405045-02B, 2405045-03B, 2405045-04B, 2405045-05B, 2405045-06B, 2405045-08B

Sample ID: **LCS-115355** Batch ID: **115355** TestNo: **M8015V** Units: **mg/L**
SampType: **LCS** Run ID: **GC4_240510A** Analysis Date: **5/10/2024 11:35:08 AM** Prep Date: **5/10/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.38	0.100	2.500	0	95.2	67	136			
Surr: Tetrachlorethene	0.375		0.4000		93.8	74	138			

Sample ID: **LCSD-115355** Batch ID: **115355** TestNo: **M8015V** Units: **mg/L**
SampType: **LCSD** Run ID: **GC4_240510A** Analysis Date: **5/10/2024 11:58:25 AM** Prep Date: **5/10/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.40	0.100	2.500	0	95.9	67	136	0.742	30	
Surr: Tetrachlorethene	0.415		0.4000		104	74	138	0	0	

Sample ID: **MB-115355** Batch ID: **115355** TestNo: **M8015V** Units: **mg/L**
SampType: **MBLK** Run ID: **GC4_240510A** Analysis Date: **5/10/2024 1:06:18 PM** Prep Date: **5/10/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	<0.0600	0.100								
Surr: Tetrachlorethene	0.374		0.4000		93.5	74	138			

Sample ID: **2405045-01BMS** Batch ID: **115355** TestNo: **M8015V** Units: **mg/L**
SampType: **MS** Run ID: **GC4_240510A** Analysis Date: **5/10/2024 4:04:45 PM** Prep Date: **5/10/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.43	0.100	2.500	0	97.3	67	136			
Surr: Tetrachlorethene	0.400		0.4000		99.9	74	138			

Sample ID: **2405045-01BMSD** Batch ID: **115355** TestNo: **M8015V** Units: **mg/L**
SampType: **MSD** Run ID: **GC4_240510A** Analysis Date: **5/10/2024 4:27:25 PM** Prep Date: **5/10/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.53	0.100	2.500	0	101	67	136	3.92	30	
Surr: Tetrachlorethene	0.418		0.4000		104	74	138	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2405045
Project: HFS N. Monument Pipeline Release Site

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_240503A

The QC data in batch 115258 applies to the following samples: 2405045-01A, 2405045-02A, 2405045-03A, 2405045-04A, 2405045-05A, 2405045-06A, 2405045-07A, 2405045-08A

Sample ID: **LCS-115258** Batch ID: **115258** TestNo: **SW8260D** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS7_240503A** Analysis Date: **5/3/2024 9:56:00 AM** Prep Date: **5/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0256	0.00100	0.0232	0	110	81	122			
Ethylbenzene	0.0254	0.00100	0.0232	0	110	80	120			
Toluene	0.0263	0.00200	0.0232	0	113	80	120			
Total Xylenes	0.0773	0.00100	0.0696	0	111	80	120			
Surr: 1,2-Dichloroethane-d4	186		200.0		93.2	72	119			
Surr: 4-Bromofluorobenzene	191		200.0		95.7	76	119			
Surr: Dibromofluoromethane	201		200.0		100	85	115			
Surr: Toluene-d8	192		200.0		96.2	81	120			

Sample ID: **MB-115258** Batch ID: **115258** TestNo: **SW8260D** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS7_240503A** Analysis Date: **5/3/2024 10:49:00 AM** Prep Date: **5/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Toluene	<0.000600	0.00200								
Total Xylenes	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	188		200.0		93.8	72	119			
Surr: 4-Bromofluorobenzene	200		200.0		100	76	119			
Surr: Dibromofluoromethane	202		200.0		101	85	115			
Surr: Toluene-d8	189		200.0		94.4	81	120			

Sample ID: **2405047-02AMS** Batch ID: **115258** TestNo: **SW8260D** Units: **mg/L**
SampType: **MS** Run ID: **GCMS7_240503A** Analysis Date: **5/3/2024 8:41:00 PM** Prep Date: **5/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.222	0.0100	0.232	0	95.5	81	122			
Ethylbenzene	0.223	0.0100	0.232	0	96.0	80	120			
Toluene	0.227	0.0200	0.232	0	97.8	80	120			
Total Xylenes	0.667	0.0100	0.696	0	95.8	80	120			
Surr: 1,2-Dichloroethane-d4	1860		2000		92.9	72	119			
Surr: 4-Bromofluorobenzene	1890		2000		94.5	76	119			
Surr: Dibromofluoromethane	2030		2000		102	85	115			
Surr: Toluene-d8	1950		2000		97.3	81	120			

Sample ID: **2405047-02AMSD** Batch ID: **115258** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS7_240503A** Analysis Date: **5/3/2024 9:06:00 PM** Prep Date: **5/3/2024**

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

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2405045
Project: HFS N. Monument Pipeline Release Site

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS7_240503A

Sample ID: **2405047-02AMSD** Batch ID: **115258** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS7_240503A** Analysis Date: **5/3/2024 9:06:00 PM** Prep Date: **5/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.212	0.0100	0.232	0	91.4	81	122	4.38	20	
Ethylbenzene	0.212	0.0100	0.232	0	91.6	80	120	4.78	20	
Toluene	0.220	0.0200	0.232	0	94.7	80	120	3.18	20	
Total Xylenes	0.644	0.0100	0.696	0	92.6	80	120	3.46	20	
Surr: 1,2-Dichloroethane-d4	1850		2000		92.7	72	119	0	0	
Surr: 4-Bromofluorobenzene	1890		2000		94.3	76	119	0	0	
Surr: Dibromofluoromethane	2020		2000		101	85	115	0	0	
Surr: Toluene-d8	1910		2000		95.5	81	120	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Analytical Data Review Checklist		
Site: North Monument Release Site Location: Lea County, NM Client Name: HF Sinclair Project #: 574868.0000.0000	Laboratory: DHL Analytical (Round Rock, TX) Laboratory Report #(s): 2405045	QA Reviewer: Megan Yonts Date: 08/01/2024 Peer Reviewer: Amy Bass Date: 08/02/2024
Analytical Method(s): BTEX (SW-846 8270D); TPH GRO (SW-846 8015); DRO (SW-846 8015)	Matrices Sampled: Groundwater; aqueous QA/QC samples	Sample Collection Date(s): 05/02/2024
Sampling Objective(s): Quarterly Groundwater Monitoring		
Sample IDs: Refer to laboratory data package.		

	Review Item or Question	Y	N	NA	Comments[1]
Usability Assessment					
	Sample Traceability / Chain of Custody				
1	Was the COC form appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC form?	X			
	Sample Preservation and Integrity				
4	Did samples arrive at the laboratory appropriately preserved?	X			
	Was the cooler temperature between 0-6°C when required?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			
	Were soil/sediment VOC and TPH samples preserved in the field or collected in EnCore® samplers when required?			X	
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis HT requirements met?	X			

	Review Item or Question	Y	N	NA	Comments[1]
8	Air Samples Collected in Evacuated Canisters Only: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
	Data Completeness				
9	Are results reported for all analytical methods requested?	X			
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?			X	
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	No sample results were reported in this concentration range.
15	Did the laboratory provide the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			Level II laboratory report.
	Sensitivity				
16	Do the detection limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Did the laboratory utilize the correct detection limits (e.g., QLs, RLs, MDLs, LODs, etc.)?	X			
18	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
19	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
	QC Results				
20	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
21	Does each analytical or preparation batch have its own method blank?	X			
22	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples.		X		Trip Blank: TB-05-02-24-01 Equipment Blank: EB-001

	Review Item or Question	Y	N	NA	Comments[1]
23	Are there any potential false positive results based on questions 20 and/or 22? Note: This project reports analyte concentrations only down to the QL (no MDLs reported); therefore, there are no laboratory J-qualified results. Based on this data protocol, qualification of the data was performed as follows: • Sample results ≥QL but < the associated blank action limit were qualified as nondetects (U) at the reported concentration (organics) or as estimated with a potential high bias (J+) (inorganics). Action limits are calculated as 2x blank concentration for organics and 10x blank concentration for inorganics. • Qualification was not required for nondetect (ND) results or for positive results ≥ the associated blank action limit.		X		
24	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
25	Does each analytical or preparation batch have its own LCS?	X			
26	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.	X			
27	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses were performed on project sample MW-1 for TPH GRO.
28	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required, If no, list analytes affected, the RPDs and the sample that was spiked.	X			
29	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	

	Review Item or Question	Y	N	NA	Comments[1]
30	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. NOTE: Typical criteria are RPD ≤50 for solid samples and RPD ≤30 for aqueous samples when results are >5x the reporting limit; otherwise, these RPD criteria are doubled, OR these results may be evaluated based on the AbsD, which should be ≤2×QL for solid samples or ≤QL for aqueous samples.	X			Field duplicate pair MW-6 and Duplicate-01 met project criteria.
31	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
	Laboratory Comments				
32	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)? If yes, list the comments that have potential impact to sample results (or attach laboratory narrative and highlight the comments that have potential impact to sample results).		X		
33	Were any other potential data quality issues identified? If yes, describe issues.		X		
	Do the Data Make Sense?				
34	Do any results look suspect or questionable? If yes, ASK THE LAB and CONTACT the project team!		X		
35	Has the EDD been compared with the laboratory report?	X			

(1) Validation actions are generally based on the following EPA National Functional Guidelines documents(s) but may be modified based on project requirements or professional judgement: EPA National Functional Guidelines for Organic/Inorganic Superfund Methods Data Review (EPA-540-R-20-005/EPA-542-R-20-006), November 2020

Acronyms:

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
COC = Chain of Custody
DRO = Diesel Range Organics
EDD = Electronic Data Deliverable
GRO = Gasoline Range Organics
HT = Holding Time
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
LOD = Limit of Detection
MDL = Method Detection Limit
MS/MSD = Matrix Spike / Matrix Spike Duplicate
ND = Nondetect
QA = Quality Assurance
QC = Quality Control
QL = Quantitation Limit
RL = Reporting Limit

Review Item or Question	Y	N	NA	Comments[1]
RPD = Relative Percent Difference = 100% ×|(A-B)/((A+B)/2)| TPH = Total Petroleum Hydrocarbons **Definitions of Data Qualifiers (USEPA)**: None **Additional Comments:** None				

September 18, 2024

Dana Helbert
TRC Environmental Corp.
505 East Huntland Drive #250
Austin, Texas 78752
TEL: (713) 306-9550
FAX:

Order No.: 2409066

RE: HFS North Monument

Dear Dana Helbert:

DHL Analytical, Inc. received 8 sample(s) on 9/11/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: www.dhlanalytical.com
Email: login@dhlanalytical.com

CHAIN-OF-CUSTODY

CLIENT: TRC Environmental Corp.
ADDRESS: 505 East Huntland Drive #250 Austin, Texas 78752
PHONE: (713) 306-9550 EMAIL: dhelbert@trccompanies.com
DATA REPORTED TO: Dana Helbert
ADD'L REPORT COPIES TO:

DATE: 9.10.24
PO#: 212044
LAB USE ONLY
DHL WORKORDER # 2409066
PROJECT LOCATION OR NAME: HFS North Monument
CLIENT PROJECT #: 574868
COLLECTOR: R. Niehay + N. Donegan

Authorize 5% surcharge for TRRP report? ☐ Yes ☒ No

Field Sample I.D.	Lab Use Only: DHL Lab #	Collection Date	Collection Time	Matrix	# of Containers	250GAMU	DRO	VOAHCL	GRO WATER	VOC 8260_W	FIELD NOTES
		BOLD & ITALIC HEADERS INDICATE BOTTLE TYPE AND PRESERVATIVE									
MW-1	01	9.10.24	0811	AQUEOUS	7	-->	1	-->	3	3	
MW-3	02	9.10.24	0952	AQUEOUS	7	-->	1	-->	3	3	
MW-5	03	9.10.24	0910	AQUEOUS	7	-->	1	-->	3	3	
MW-7	04	9.10.24	1030	AQUEOUS	7	-->	1	-->	3	3	
EB -09-10-24-01	05	9.10.24	1120	EQUIP BLANK	7	-->	1	-->	3	3	
MW-6	06	9.10.24	1107	AQUEOUS	7	-->	1	-->	3	3	
Duplicate-01	07	9.10.24	0000	AQUEOUS	7	-->	1	-->	3	3	
Trip Blank	08	0.00.00	0000	TRIP BLANK	2			-->		2	

Relinquished By: (Sign) [signature] DATE/TIME 9/10/24 1300 Received By: Fedex
Relinquished By: (Sign) Fedex DATE/TIME 9/11/24 0855 Received By: [signature]
Relinquished By: (Sign) DATE/TIME Received By:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY ☐ RUSH-2 DAY ☐ RUSH-3 DAY ☐
NORMAL ☒ OTHER ☐
DUE DATE _____

LAB USE ONLY
RECEIVING TEMP (°C) 4.8°C THERMO #: 78
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES/NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☑ INTACT ☐ NOT USED
CARRIER:
☐ LSO ☒ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each

DHL COC REV 4(D) | MAR 2023

ORIGIN ID:HOBA (915) 222-1322

T R C ENVIRONMENTAL CORP
505 E HUNTLAND DR STE 250

AUSTIN, TX 78752
UNITED STATES US

SHIP DATE: 10SEP24
ACTWGT: 44.45 LB
CAD: 6994246/SSFE2541
DIMS: 13x13x23 IN

BILL THIRD PARTY

TO

DHL
2300 DOUBLE CREEK DR

ROUND ROCK TX 78664
(999) 999-9999 REF:
INV:
PO: DEPT:

FedEx Express

J243024070130 1un

WED - 11 SEP 10:30A
PRIORITY OVERNIGHT

TRK# 0201 2793 3725 2729

A8 BSMA

78664
TX-US AUS

DHL ANALYTICAL

CUSTODY SEAL

DATE 9/10/24

SIGNATURE

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **TRC Environmental Corp.** Date Received: **9/11/2024**

Work Order Number: **2409066** Received by: **KAO**

Checklist completed by: _____ 9/11/2024 Reviewed by: JH 9/11/2024
Signature | Date | Initials | Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1
Temp °C 4.8
Seal Intact Y

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

Page 1 of 1

DHL Analytical, Inc. **Date:** *18-Sep-24*

CLIENT: TRC Environmental Corp.
Project: HFS North Monument
Lab Order: 2409066

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and Standard Methods.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT: TRC Environmental Corp.
Project: HFS North Monument
Lab Order: 2409066

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2409066-01	MW-1		09/10/24 08:11 AM	09/11/2024
2409066-02	MW-3		09/10/24 09:52 AM	09/11/2024
2409066-03	MW-5		09/10/24 09:10 AM	09/11/2024
2409066-04	MW-7		09/10/24 10:30 AM	09/11/2024
2409066-05	EB-09-10-24-01		09/10/24 11:20 AM	09/11/2024
2409066-06	MW-6		09/10/24 11:07 AM	09/11/2024
2409066-07	Duplicate-01		09/10/24	09/11/2024
2409066-08	Trip Blank		09/10/24	09/11/2024

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-1
Project:	HFS North Monument	**Lab ID:**	2409066-01
Project No:	574868	**Collection Date:**	09/10/24 08:11 AM
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	<0.194	0.194	0.243		mg/L	1	09/13/24 10:43 AM
Surr: Isopropylbenzene	50.3	0	25-124		%REC	1	09/13/24 10:43 AM
Surr: Octacosane	83.2	0	51-124		%REC	1	09/13/24 10:43 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	09/17/24 12:42 PM
Surr: Tetrachlorethene	99.2	0	74-138		%REC	1	09/17/24 12:42 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:28 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:28 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 04:28 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:28 PM
Surr: 1,2-Dichloroethane-d4	95.3	0	72-119		%REC	1	09/11/24 04:28 PM
Surr: 4-Bromofluorobenzene	104	0	76-119		%REC	1	09/11/24 04:28 PM
Surr: Dibromofluoromethane	98.5	0	85-115		%REC	1	09/11/24 04:28 PM
Surr: Toluene-d8	112	0	81-120		%REC	1	09/11/24 04:28 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-3
Project:	HFS North Monument	**Lab ID:**	2409066-02
Project No:	574868	**Collection Date:**	09/10/24 09:52 AM
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	<0.198	0.198	0.248		mg/L	1	09/13/24 10:52 AM
Surr: Isopropylbenzene	61.6	0	25-124		%REC	1	09/13/24 10:52 AM
Surr: Octacosane	83.9	0	51-124		%REC	1	09/13/24 10:52 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	09/17/24 01:04 PM
Surr: Tetrachlorethene	102	0	74-138		%REC	1	09/17/24 01:04 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:54 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:54 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 04:54 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 04:54 PM
Surr: 1,2-Dichloroethane-d4	96.6	0	72-119		%REC	1	09/11/24 04:54 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	09/11/24 04:54 PM
Surr: Dibromofluoromethane	99.8	0	85-115		%REC	1	09/11/24 04:54 PM
Surr: Toluene-d8	110	0	81-120		%REC	1	09/11/24 04:54 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-5
Project:	HFS North Monument	**Lab ID:**	2409066-03
Project No:	574868	**Collection Date:**	09/10/24 09:10 AM
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	<0.194	0.194	0.242		mg/L	1	09/13/24 11:01 AM
Surr: Isopropylbenzene	50.4	0	25-124		%REC	1	09/13/24 11:01 AM
Surr: Octacosane	82.5	0	51-124		%REC	1	09/13/24 11:01 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	09/17/24 01:27 PM
Surr: Tetrachlorethene	103	0	74-138		%REC	1	09/17/24 01:27 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:19 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:19 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 05:19 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:19 PM
Surr: 1,2-Dichloroethane-d4	97.2	0	72-119		%REC	1	09/11/24 05:19 PM
Surr: 4-Bromofluorobenzene	102	0	76-119		%REC	1	09/11/24 05:19 PM
Surr: Dibromofluoromethane	99.9	0	85-115		%REC	1	09/11/24 05:19 PM
Surr: Toluene-d8	110	0	81-120		%REC	1	09/11/24 05:19 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-7
Project:	HFS North Monument	**Lab ID:**	2409066-04
Project No:	574868	**Collection Date:**	09/10/24 10:30 AM
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	<0.197	0.197	0.246		mg/L	1	09/13/24 11:10 AM
Surr: Isopropylbenzene	61.0	0	25-124		%REC	1	09/13/24 11:10 AM
Surr: Octacosane	83.1	0	51-124		%REC	1	09/13/24 11:10 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	09/17/24 01:49 PM
Surr: Tetrachlorethene	100	0	74-138		%REC	1	09/17/24 01:49 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:45 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:45 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 05:45 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 05:45 PM
Surr: 1,2-Dichloroethane-d4	97.5	0	72-119		%REC	1	09/11/24 05:45 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	09/11/24 05:45 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	09/11/24 05:45 PM
Surr: Toluene-d8	110	0	81-120		%REC	1	09/11/24 05:45 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	EB-09-10-24-01
Project:	HFS North Monument	**Lab ID:**	2409066-05
Project No:	574868	**Collection Date:**	09/10/24 11:20 AM
Lab Order:	2409066	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	<0.196	0.196	0.245		mg/L	1	09/13/24 11:18 AM
Surr: Isopropylbenzene	62.5	0	25-124		%REC	1	09/13/24 11:18 AM
Surr: Octacosane	79.3	0	51-124		%REC	1	09/13/24 11:18 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	09/17/24 02:11 PM
Surr: Tetrachlorethene	100	0	74-138		%REC	1	09/17/24 02:11 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:12 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:12 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 03:12 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:12 PM
Surr: 1,2-Dichloroethane-d4	95.1	0	72-119		%REC	1	09/11/24 03:12 PM
Surr: 4-Bromofluorobenzene	103	0	76-119		%REC	1	09/11/24 03:12 PM
Surr: Dibromofluoromethane	99.9	0	85-115		%REC	1	09/11/24 03:12 PM
Surr: Toluene-d8	112	0	81-120		%REC	1	09/11/24 03:12 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-6
Project:	HFS North Monument	**Lab ID:**	2409066-06
Project No:	574868	**Collection Date:**	09/10/24 11:07 AM
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	0.206	0.192	0.240	J	mg/L	1	09/13/24 11:27 AM
Surr: Isopropylbenzene	63.0	0	25-124		%REC	1	09/13/24 11:27 AM
Surr: Octacosane	78.5	0	51-124		%REC	1	09/13/24 11:27 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	0.232	0.0600	0.100		mg/L	1	09/17/24 02:33 PM
Surr: Tetrachlorethene	94.6	0	74-138		%REC	1	09/17/24 02:33 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:11 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:11 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 06:11 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:11 PM
Surr: 1,2-Dichloroethane-d4	96.3	0	72-119		%REC	1	09/11/24 06:11 PM
Surr: 4-Bromofluorobenzene	104	0	76-119		%REC	1	09/11/24 06:11 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	09/11/24 06:11 PM
Surr: Toluene-d8	113	0	81-120		%REC	1	09/11/24 06:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Duplicate-01
Project:	HFS North Monument	**Lab ID:**	2409066-07
Project No:	574868	**Collection Date:**	09/10/24
Lab Order:	2409066	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **RA**
TPH-DRO C10-C28	0.207	0.200	0.250	J	mg/L	1	09/13/24 11:36 AM
Surr: Isopropylbenzene	94.3	0	25-124		%REC	1	09/13/24 11:36 AM
Surr: Octacosane	82.1	0	51-124		%REC	1	09/13/24 11:36 AM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	0.188	0.0600	0.100		mg/L	1	09/17/24 02:56 PM
Surr: Tetrachlorethene	92.0	0	74-138		%REC	1	09/17/24 02:56 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:37 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:37 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 06:37 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 06:37 PM
Surr: 1,2-Dichloroethane-d4	95.6	0	72-119		%REC	1	09/11/24 06:37 PM
Surr: 4-Bromofluorobenzene	104	0	76-119		%REC	1	09/11/24 06:37 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	09/11/24 06:37 PM
Surr: Toluene-d8	114	0	81-120		%REC	1	09/11/24 06:37 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Trip Blank
Project:	HFS North Monument	**Lab ID:**	2409066-08
Project No:	574868	**Collection Date:**	09/10/24
Lab Order:	2409066	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:37 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:37 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	09/11/24 03:37 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	09/11/24 03:37 PM
Surr: 1,2-Dichloroethane-d4	96.3	0	72-119		%REC	1	09/11/24 03:37 PM
Surr: 4-Bromofluorobenzene	105	0	76-119		%REC	1	09/11/24 03:37 PM
Surr: Dibromofluoromethane	99.6	0	85-115		%REC	1	09/11/24 03:37 PM
Surr: Toluene-d8	111	0	81-120		%REC	1	09/11/24 03:37 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *18-Sep-24*

CLIENT: TRC Environmental Corp.
Work Order: 2409066
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_240913A

The QC data in batch 117141 applies to the following samples: 2409066-01C, 2409066-02C, 2409066-03C, 2409066-04C, 2409066-05C, 2409066-06C, 2409066-07C

Sample ID: **MB-117141** Batch ID: **117141** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_240913A** Analysis Date: **9/13/2024 10:07:27 AM** Prep Date: **9/12/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0468		0.1000		46.8	25	124			
Surr: Octacosane	0.0733		0.1000		73.3	51	124			

Sample ID: **LCS-117141** Batch ID: **117141** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_240913A** Analysis Date: **9/13/2024 10:16:18 AM** Prep Date: **9/12/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.870	0.100	1.250	0	69.6	50	114			
Surr: Isopropylbenzene	0.0732		0.1000		73.2	25	124			
Surr: Octacosane	0.0800		0.1000		80.0	51	124			

Sample ID: **LCSD-117141** Batch ID: **117141** TestNo: **M8015D** Units: **mg/L**
SampType: **LCSD** Run ID: **GC15_240913A** Analysis Date: **9/13/2024 10:25:10 AM** Prep Date: **9/12/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.858	0.100	1.250	0	68.7	50	114	1.37	30	
Surr: Isopropylbenzene	0.0458		0.1000		45.8	25	124	0	0	
Surr: Octacosane	0.0811		0.1000		81.1	51	124	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2409066
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_240917A

The QC data in batch 117198 applies to the following samples: 2409066-01B, 2409066-02B, 2409066-03B, 2409066-04B, 2409066-05B, 2409066-06B, 2409066-07B

Sample ID: **LCS-117198**	Batch ID: **117198**	TestNo: **M8015V**	Units: **mg/L**
SampType: **LCS**	Run ID: **GC4_240917A**	Analysis Date: **9/17/2024 11:35:55 AM**	Prep Date: **9/17/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.29	0.100	2.500	0	91.7	67	136			
Surr: Tetrachlorethene	0.383		0.4000		95.6	74	138			

Sample ID: **MB-117198**	Batch ID: **117198**	TestNo: **M8015V**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GC4_240917A**	Analysis Date: **9/17/2024 12:20:01 PM**	Prep Date: **9/17/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	<0.0600	0.100								
Surr: Tetrachlorethene	0.392		0.4000		98.0	74	138			

Sample ID: **2409066-07BMS**	Batch ID: **117198**	TestNo: **M8015V**	Units: **mg/L**
SampType: **MS**	Run ID: **GC4_240917A**	Analysis Date: **9/17/2024 3:18:16 PM**	Prep Date: **9/17/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.41	0.100	2.500	0.1876	88.8	67	136			
Surr: Tetrachlorethene	0.329		0.4000		82.2	74	138			

Sample ID: **2409066-07BMSD**	Batch ID: **117198**	TestNo: **M8015V**	Units: **mg/L**
SampType: **MSD**	Run ID: **GC4_240917A**	Analysis Date: **9/17/2024 3:40:38 PM**	Prep Date: **9/17/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.30	0.100	2.500	0.1876	84.7	67	136	4.36	30	
Surr: Tetrachlorethene	0.324		0.4000		81.0	74	138	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2409066
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_240911A

The QC data in batch 117127 applies to the following samples: 2409066-01A, 2409066-02A, 2409066-03A, 2409066-04A, 2409066-05A, 2409066-06A, 2409066-07A, 2409066-08A

Sample ID: **LCS-117127** Batch ID: **117127** TestNo: **SW8260D** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS5_240911A** Analysis Date: **9/11/2024 12:53:00 PM** Prep Date: **9/11/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0248	0.00100	0.0232	0	107	81	122			
Ethylbenzene	0.0246	0.00100	0.0232	0	106	80	120			
Toluene	0.0239	0.00200	0.0232	0	103	80	120			
Total Xylenes	0.0746	0.00100	0.0696	0	107	80	120			
Surr: 1,2-Dichloroethane-d4	187		200.0		93.5	72	119			
Surr: 4-Bromofluorobenzene	198		200.0		99.2	76	119			
Surr: Dibromofluoromethane	191		200.0		95.7	85	115			
Surr: Toluene-d8	209		200.0		105	81	120			

Sample ID: **LCSD-117127** Batch ID: **117127** TestNo: **SW8260D** Units: **mg/L**
SampType: **LCSD** Run ID: **GCMS5_240911A** Analysis Date: **9/11/2024 1:18:00 PM** Prep Date: **9/11/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0251	0.00100	0.0232	0	108	81	122	1.47	20	
Ethylbenzene	0.0246	0.00100	0.0232	0	106	80	120	0.020	20	
Toluene	0.0242	0.00200	0.0232	0	104	80	120	0.998	20	
Total Xylenes	0.0744	0.00100	0.0696	0	107	80	120	0.250	20	
Surr: 1,2-Dichloroethane-d4	185		200.0		92.3	72	119	0	0	
Surr: 4-Bromofluorobenzene	200		200.0		99.8	76	119	0	0	
Surr: Dibromofluoromethane	195		200.0		97.6	85	115	0	0	
Surr: Toluene-d8	211		200.0		106	81	120	0	0	

Sample ID: **MB-117127** Batch ID: **117127** TestNo: **SW8260D** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS5_240911A** Analysis Date: **9/11/2024 2:21:00 PM** Prep Date: **9/11/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Toluene	<0.000600	0.00200								
Total Xylenes	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	188		200.0		94.2	72	119			
Surr: 4-Bromofluorobenzene	209		200.0		104	76	119			
Surr: Dibromofluoromethane	195		200.0		97.7	85	115			
Surr: Toluene-d8	222		200.0		111	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Analytical Data Review Checklist		
Site: North Monument Release Site Location: Lea County, NM Client Name: HF Sinclair Project #: 574868.0000.0000	Laboratory: DHL Analytical (Round Rock, TX) Laboratory Report #(s): 2409066	QA Reviewer: Megan Yonts Date: 12/06/2024 Peer Reviewer: Nancy Bergstrom Date: 12/11/2024
Analytical Method(s): BTEX (SW-846 8260D); TPH-GRO (SW-846 8015); TPH-DRO (SW-846 8015)	Matrices Sampled: Groundwater; aqueous QA/QC samples	Sample Collection Date(s): 09/10/2024
Sampling Objective(s): Groundwater Monitoring		
Sample IDs: MW-1, MW-3, MW-5, MW-7, EB-09-10-24-01, MW-6, Duplicate-01, Trip Blank		

	Review Item or Question	Y	N	NA	Comments[1]
Usability Assessment					
	Sample Traceability / Chain of Custody				
1	Was the COC form appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC form?	X			
	Sample Preservation and Integrity				
4	Did samples arrive at the laboratory appropriately preserved?	X			
	Was the cooler temperature between 0-6°C when required?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			
	Were soil/sediment VOC and TPH samples preserved in the field or collected in EnCore® samplers when required?			X	
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis HT requirements met?	X			

	Review Item or Question	Y	N	NA	Comments[1]
8	Air Samples Collected in Evacuated Canisters Only: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
	Data Completeness				
9	Are results reported for all analytical methods requested?	X			
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?			X	
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?	X			
15	Did the laboratory provide the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			Level II laboratory report.
	Sensitivity				
16	Do the detection limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Did the laboratory utilize the correct detection limits (e.g., QLs, RLs, MDLs, LODs, etc.)?	X			
18	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
19	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
	QC Results				
20	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
21	Does each analytical or preparation batch have its own method blank?	X			
22	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples.		X		Trip Blank: Trip Blank Equipment Blank: EB-09-10-24-01

	Review Item or Question	Y	N	NA	Comments[1]
23	Are there any potential false positive results based on questions 20 and/or 22? Note: This project reports analyte concentrations only down to the QL (no MDLs reported); therefore, there are no laboratory J-qualified results. Based on this data protocol, qualification of the data was performed as follows: • Sample results ≥QL but < the associated blank action limit were qualified as nondetects (U) at the reported concentration (organics) or as estimated with a potential high bias (J+) (inorganics). Action limits are calculated as 2x blank concentration for organics and 10x blank concentration for inorganics. • Qualification was not required for nondetect (ND) results or for positive results ≥ the associated blank action limit.		X		
24	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
25	Does each analytical or preparation batch have its own LCS?	X			
26	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.	X			
27	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses were performed on project sample Duplicate-01 for TPH-GRO.
28	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required, If no, list analytes affected, the RPDs and the sample that was spiked.	X			
29	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not conducted on samples from this data set.

	Review Item or Question	Y	N	NA	Comments[1]
30	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. NOTE: Typical criteria are RPD ≤50 for solid samples and RPD ≤30 for aqueous samples when results are >5x the reporting limit; otherwise, these RPD criteria are doubled, OR these results may be evaluated based on the AbsD, which should be ≤2×QL for solid samples or ≤QL for aqueous samples.	X			Field duplicate pair MW-6 and Duplicate-01 met project criteria.
31	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
	Laboratory Comments				
32	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)? If yes, list the comments that have potential impact to sample results (or attach laboratory narrative and highlight the comments that have potential impact to sample results).		X		
33	Were any other potential data quality issues identified? If yes, describe issues.		X		
	Do the Data Make Sense?				
34	Do any results look suspect or questionable? If yes, ASK THE LAB and CONTACT the project team!		X		
35	Has the EDD been compared with the laboratory report?	X			

(1) Validation actions are generally based on the following EPA National Functional Guidelines documents(s) but may be modified based on project requirements or professional judgement: EPA National Functional Guidelines for Organic/Inorganic Superfund Methods Data Review (EPA-540-R-20-005/EPA-542-R-20-006), November 2020

Acronyms:

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
COC = Chain of Custody
DRO = Diesel Range Organics
EDD = Electronic Data Deliverable
GRO = Gasoline Range Organics
HT = Holding Time
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
LOD = Limit of Detection
MDL = Method Detection Limit
MS/MSD = Matrix Spike / Matrix Spike Duplicate
ND = Nondetect
QA = Quality Assurance
QC = Quality Control
QL = Quantitation Limit
RL = Reporting Limit

Review Item or Question	Y	N	NA	Comments[(1)]
RPD = Relative Percent Difference = 100% ×|(A-B)/((A+B)/2)| TPH = Total Petroleum Hydrocarbons **Definitions of Data Qualifiers (USEPA)**: None **Additional Comments:** None				

December 04, 2024

Dana Helbert
TRC Environmental Corp.
505 East Huntland Drive #250
Austin, Texas 78752
TEL: (713) 306-9550
FAX:

Order No.: 2411167

RE: HFS North Monument

Dear Dana Helbert:

DHL Analytical, Inc. received 8 samples on 11/21/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Karyn Lane
Laboratory Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. Round Rock, TX 78664
Phone 512.388.8222
Web: www.dhlanalytical.com
Email: login@dhlanalytical.com

CHAIN-OF-CUSTODY

CLIENT: TRC Environmental Corp.
ADDRESS: 505 East Huntland Drive #250 Austin, Texas 78752
PHONE: (713) 306-9550 EMAIL: dhelbert@trccompanies.com
DATA REPORTED TO: Dana Helbert
ADD'L REPORT COPIES TO:

DATE: 11.20.24
PO#: 212044
PROJECT LOCATION OR NAME: HFS North Monument
CLIENT PROJECT #:
COLLECTOR:

LAB USE ONLY
DHL WORKORDER # 2411167

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

BOLD & ITALIC HEADERS INDICATE BOTTLE TYPE AND PRESERVATIVE

Field Sample I.D.	Lab Use Only DHL Lab #	Collection Date	Collection Time	Matrix	# of Containers	250GAMU	DRO	VOAHCL	GRO WATER	VOC 8260_W	FIELD NOTES
MW-1	01	11.20.24	0925	AQUEOUS	7	-->	1	-->	3	3	
MW-3	02	11.20.24	1120	AQUEOUS	7	-->	1	-->	3	3	
MW-5	03	11.20.24	1036	AQUEOUS	7	-->	1	-->	3	3	
MW-7	04	11.20.24	1210	AQUEOUS	7	-->	1	-->	3	3	
EB	05	11.20.24	1315	EQUIP BLANK	7	-->	1	-->	3	3	
MW-6	06	11.20.24	1253	AQUEOUS	7	-->	1	-->	3	3	
Duplicate-01	07	11.20.24	0000	AQUEOUS	7	-->	1	-->	3	3	
Trip Blank	08	11.20.24	0000	TRIP BLANK	2			-->		2	

Relinquished By: (Sign) | DATE/TIME 11.20.24 1400 | Received By: Fedex
Relinquished By: (Sign) Fedex | DATE/TIME 11/21/24 0912 | Received By:
Relinquished By: (Sign) | DATE/TIME | Received By:

TURN AROUND TIME (CALL FIRST FOR RUSH)
RUSH-1 DAY ☐ RUSH-2 DAY ☐
RUSH-3 DAY ☐
NORMAL ☒ OTHER ☐
DUE DATE _____

LAB USE ONLY
RECEIVING TEMP (°C) 0.3°C THERMO #: 78
IF >6°C, ARE SAMPLES ON ICE AND JUST COLLECTED? YES/NO
CUSTODY SEALS ON ICE CHEST: ☐ BROKEN ☑ INTACT ☐ NOT USED
CARRIER:
☐ LSO ☒ FEDEX ☐ UPS ☐ COURIER ☐ HAND DELIVERED

☐ DHL DISPOSAL @ $10.00 each

DHL COC REV 4(D) | MAR 2023

ORIGIN ID:HOBA (123) 456-7899
T R C ENVIRONMENTAL CORP
505 E HUNTLAND DR STE 250
AUSTIN, TX 78752
UNITED STATES US

SHIP DATE: 20NOV24
ACTWGT: 41.00 LB
CAD: 6994246/SSFE2560
DIMS: 24x12x14 IN
BILL THIRD PARTY

TO DHL ANALYTICAL
2300 DOUBLE CREEK DR
ROUND ROCK TX 78664
(512) 388-8222 REF:
INV: DEPT:
PO:

Part # 156297-555 REV# 8 EXP 04/25

FedEx Express

J244024091001UN

THU - 21 NOV 5:00P
STANDARD OVERNIGHT

TRK# 0201 2820 6055 3899

A8 BSMA

78664
TX-US AUS

DHL ANALYTICAL

CUSTODY SEAL
DATE 11.24.24
SIGNATURE

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: TRC Environmental Corp. Date Received: 11/21/2024

Work Order Number: 2411167 Received by: KAO

Checklist completed by: _____ 11/21/2024 Reviewed by: _____ 11/21/2024
Signature Date Initials Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler # 1

Temp °C 0.3

Seal Intact Y

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

Page 1 of 1

DHL Analytical, Inc. **Date:** *04-Dec-24*

CLIENT: TRC Environmental Corp.
Project: HFS North Monument
Lab Order: 2411167

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition and Standard Methods.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT: TRC Environmental Corp.
Project: HFS North Monument
Lab Order: 2411167

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2411167-01	MW-1		11/20/24 09:25 AM	11/21/2024
2411167-02	MW-3		11/20/24 11:20 AM	11/21/2024
2411167-03	MW-5		11/20/24 10:36 AM	11/21/2024
2411167-04	MW-7		11/20/24 12:10 PM	11/21/2024
2411167-05	EB		11/20/24 01:15 PM	11/21/2024
2411167-06	MW-6		11/20/24 12:53 PM	11/21/2024
2411167-07	Duplicate-01		11/20/24	11/21/2024
2411167-08	Trip Blank		11/20/24	11/21/2024

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-1
Project:	HFS North Monument	**Lab ID:**	2411167-01
Project No:		**Collection Date:**	11/20/24 09:25 AM
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.186	0.186	0.232		mg/L	1	12/02/24 03:17 PM
Surr: Isopropylbenzene	52.3	0	25-124		%REC	1	12/02/24 03:17 PM
Surr: Octacosane	75.1	0	51-124		%REC	1	12/02/24 03:17 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	12/03/24 03:29 PM
Surr: Tetrachlorethene	103	0	74-138		%REC	1	12/03/24 03:29 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:04 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:04 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 08:04 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:04 PM
Surr: 1,2-Dichloroethane-d4	110	0	72-119		%REC	1	11/21/24 08:04 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 08:04 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	11/21/24 08:04 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 08:04 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-3
Project:	HFS North Monument	**Lab ID:**	2411167-02
Project No:		**Collection Date:**	11/20/24 11:20 AM
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.196	0.196	0.245		mg/L	1	12/02/24 03:26 PM
Surr: Isopropylbenzene	61.1	0	25-124		%REC	1	12/02/24 03:26 PM
Surr: Octacosane	77.5	0	51-124		%REC	1	12/02/24 03:26 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	12/03/24 03:55 PM
Surr: Tetrachlorethene	106	0	74-138		%REC	1	12/03/24 03:55 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:30 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:30 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 08:30 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:30 PM
Surr: 1,2-Dichloroethane-d4	109	0	72-119		%REC	1	11/21/24 08:30 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 08:30 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	11/21/24 08:30 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 08:30 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-5
Project:	HFS North Monument	**Lab ID:**	2411167-03
Project No:		**Collection Date:**	11/20/24 10:36 AM
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.190	0.190	0.238		mg/L	1	12/02/24 03:35 PM
Surr: Isopropylbenzene	51.7	0	25-124		%REC	1	12/02/24 03:35 PM
Surr: Octacosane	73.8	0	51-124		%REC	1	12/02/24 03:35 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	12/03/24 04:20 PM
Surr: Tetrachlorethene	107	0	74-138		%REC	1	12/03/24 04:20 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:55 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:55 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 08:55 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 08:55 PM
Surr: 1,2-Dichloroethane-d4	110	0	72-119		%REC	1	11/21/24 08:55 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 08:55 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	11/21/24 08:55 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 08:55 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-7
Project:	HFS North Monument	**Lab ID:**	2411167-04
Project No:		**Collection Date:**	11/20/24 12:10 PM
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.198	0.198	0.248		mg/L	1	12/02/24 03:44 PM
Surr: Isopropylbenzene	54.3	0	25-124		%REC	1	12/02/24 03:44 PM
Surr: Octacosane	74.6	0	51-124		%REC	1	12/02/24 03:44 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	12/03/24 04:44 PM
Surr: Tetrachlorethene	104	0	74-138		%REC	1	12/03/24 04:44 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:20 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:20 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 09:20 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:20 PM
Surr: 1,2-Dichloroethane-d4	107	0	72-119		%REC	1	11/21/24 09:20 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 09:20 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	11/21/24 09:20 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 09:20 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	EB
Project:	HFS North Monument	**Lab ID:**	2411167-05
Project No:		**Collection Date:**	11/20/24 01:15 PM
Lab Order:	2411167	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.196	0.196	0.244		mg/L	1	12/02/24 03:53 PM
Surr: Isopropylbenzene	59.1	0	25-124		%REC	1	12/02/24 03:53 PM
Surr: Octacosane	76.2	0	51-124		%REC	1	12/02/24 03:53 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	<0.0600	0.0600	0.100		mg/L	1	12/03/24 02:59 PM
Surr: Tetrachlorethene	106	0	74-138		%REC	1	12/03/24 02:59 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:28 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:28 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 02:28 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:28 PM
Surr: 1,2-Dichloroethane-d4	107	0	72-119		%REC	1	11/21/24 02:28 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 02:28 PM
Surr: Dibromofluoromethane	99.8	0	85-115		%REC	1	11/21/24 02:28 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 02:28 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	MW-6
Project:	HFS North Monument	**Lab ID:**	2411167-06
Project No:		**Collection Date:**	11/20/24 12:53 PM
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.199	0.199	0.248		mg/L	1	12/02/24 04:01 PM
Surr: Isopropylbenzene	61.2	0	25-124		%REC	1	12/02/24 04:01 PM
Surr: Octacosane	75.1	0	51-124		%REC	1	12/02/24 04:01 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	0.218	0.0600	0.100		mg/L	1	12/03/24 05:09 PM
Surr: Tetrachlorethene	103	0	74-138		%REC	1	12/03/24 05:09 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:46 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:46 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 09:46 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 09:46 PM
Surr: 1,2-Dichloroethane-d4	107	0	72-119		%REC	1	11/21/24 09:46 PM
Surr: 4-Bromofluorobenzene	110	0	76-119		%REC	1	11/21/24 09:46 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	11/21/24 09:46 PM
Surr: Toluene-d8	110	0	81-120		%REC	1	11/21/24 09:46 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Duplicate-01
Project:	HFS North Monument	**Lab ID:**	2411167-07
Project No:		**Collection Date:**	11/20/24
Lab Order:	2411167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **JVR**
TPH-DRO C10-C28	<0.200	0.200	0.250		mg/L	1	12/02/24 04:14 PM
Surr: Isopropylbenzene	61.8	0	25-124		%REC	1	12/02/24 04:14 PM
Surr: Octacosane	76.0	0	51-124		%REC	1	12/02/24 04:14 PM
TPH PURGEABLE BY GC - WATER		**M8015V**					Analyst: **KES**
TPH-GRO (C6-C10)	0.190	0.0600	0.100		mg/L	1	12/03/24 05:33 PM
Surr: Tetrachlorethene	101	0	74-138		%REC	1	12/03/24 05:33 PM
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 10:12 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 10:12 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 10:12 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 10:12 PM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	11/21/24 10:12 PM
Surr: 4-Bromofluorobenzene	111	0	76-119		%REC	1	11/21/24 10:12 PM
Surr: Dibromofluoromethane	100	0	85-115		%REC	1	11/21/24 10:12 PM
Surr: Toluene-d8	111	0	81-120		%REC	1	11/21/24 10:12 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT:	TRC Environmental Corp.	**Client Sample ID:**	Trip Blank
Project:	HFS North Monument	**Lab ID:**	2411167-08
Project No:		**Collection Date:**	11/20/24
Lab Order:	2411167	**Matrix:**	TRIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS		**SW8260D**					Analyst: **JVR**
Benzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:53 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:53 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	11/21/24 02:53 PM
Total Xylenes	<0.000300	0.000300	0.00100		mg/L	1	11/21/24 02:53 PM
Surr: 1,2-Dichloroethane-d4	106	0	72-119		%REC	1	11/21/24 02:53 PM
Surr: 4-Bromofluorobenzene	112	0	76-119		%REC	1	11/21/24 02:53 PM
Surr: Dibromofluoromethane	102	0	85-115		%REC	1	11/21/24 02:53 PM
Surr: Toluene-d8	108	0	81-120		%REC	1	11/21/24 02:53 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
	DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
	S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *04-Dec-24*

CLIENT: TRC Environmental Corp.
Work Order: 2411167
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_241202A

The QC data in batch 118067 applies to the following samples: 2411167-01C, 2411167-02C, 2411167-03C, 2411167-04C, 2411167-05C, 2411167-06C, 2411167-07C

Sample ID: **MB-118067** Batch ID: **118067** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_241202A** Analysis Date: **12/2/2024 2:24:29 PM** Prep Date: **11/25/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0510		0.1000		51.0	25	124			
Surr: Octacosane	0.0733		0.1000		73.3	51	124			

Sample ID: **LCS-118067** Batch ID: **118067** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_241202A** Analysis Date: **12/2/2024 2:33:20 PM** Prep Date: **11/25/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.799	0.100	1.250	0	63.9	50	114			
Surr: Isopropylbenzene	0.0552		0.1000		55.2	25	124			
Surr: Octacosane	0.0740		0.1000		74.0	51	124			

Sample ID: **LCSD-118067** Batch ID: **118067** TestNo: **M8015D** Units: **mg/L**
SampType: **LCSD** Run ID: **GC15_241202A** Analysis Date: **12/2/2024 2:42:12 PM** Prep Date: **11/25/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	0.825	0.100	1.250	0	66.0	50	114	3.26	30	
Surr: Isopropylbenzene	0.0610		0.1000		61.0	25	124	0	0	
Surr: Octacosane	0.0743		0.1000		74.3	51	124	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2411167
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_241203A

The QC data in batch 118160 applies to the following samples: 2411167-01B, 2411167-02B, 2411167-03B, 2411167-04B, 2411167-05B, 2411167-06B, 2411167-07B

Sample ID: **LCS-118160** Batch ID: **118160** TestNo: **M8015V** Units: **mg/L**
SampType: **LCS** Run ID: **GC4_241203A** Analysis Date: **12/3/2024 11:56:37 AM** Prep Date: **12/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.24	0.100	2.500	0	89.6	67	136			
Surr: Tetrachlorethene	0.335		0.4000		83.8	74	138			

Sample ID: **MB-118160** Batch ID: **118160** TestNo: **M8015V** Units: **mg/L**
SampType: **MBLK** Run ID: **GC4_241203A** Analysis Date: **12/3/2024 2:30:29 PM** Prep Date: **12/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	<0.0600	0.100								
Surr: Tetrachlorethene	0.420		0.4000		105	74	138			

Sample ID: **2411167-01BMS** Batch ID: **118160** TestNo: **M8015V** Units: **mg/L**
SampType: **MS** Run ID: **GC4_241203A** Analysis Date: **12/3/2024 5:58:47 PM** Prep Date: **12/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.49	0.100	2.500	0	99.6	67	136			
Surr: Tetrachlorethene	0.440		0.4000		110	74	138			

Sample ID: **2411167-01BMSD** Batch ID: **118160** TestNo: **M8015V** Units: **mg/L**
SampType: **MSD** Run ID: **GC4_241203A** Analysis Date: **12/3/2024 6:24:01 PM** Prep Date: **12/3/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-GRO (C6-C10)	2.47	0.100	2.500	0	98.7	67	136	0.870	30	
Surr: Tetrachlorethene	0.400		0.4000		100	74	138	0	0	

Qualifiers:				
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2411167
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241121A

The QC data in batch 118028 applies to the following samples: 2411167-01A, 2411167-02A, 2411167-03A, 2411167-04A, 2411167-05A, 2411167-06A, 2411167-07A, 2411167-08A

Sample ID: **LCS-118028** Batch ID: **118028** TestNo: **SW8260D** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS5_241121A** Analysis Date: **11/21/2024 12:05:00 P** Prep Date: **11/21/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0250	0.00100	0.0232	0	108	81	122			
Ethylbenzene	0.0239	0.00100	0.0232	0	103	80	120			
Toluene	0.0238	0.00200	0.0232	0	103	80	120			
Total Xylenes	0.0732	0.00100	0.0696	0	105	80	120			
Surr: 1,2-Dichloroethane-d4	215		200.0		108	72	119			
Surr: 4-Bromofluorobenzene	211		200.0		105	76	119			
Surr: Dibromofluoromethane	192		200.0		96.0	85	115			
Surr: Toluene-d8	206		200.0		103	81	120			

Sample ID: **MB-118028** Batch ID: **118028** TestNo: **SW8260D** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS5_241121A** Analysis Date: **11/21/2024 1:05:00 PM** Prep Date: **11/21/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Toluene	<0.000600	0.00200								
Total Xylenes	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	212		200.0		106	72	119			
Surr: 4-Bromofluorobenzene	219		200.0		109	76	119			
Surr: Dibromofluoromethane	201		200.0		101	85	115			
Surr: Toluene-d8	214		200.0		107	81	120			

Sample ID: **2411159-01AMS** Batch ID: **118028** TestNo: **SW8260D** Units: **mg/L**
SampType: **MS** Run ID: **GCMS5_241121A** Analysis Date: **11/21/2024 11:28:00 P** Prep Date: **11/21/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.126	0.00500	0.116	0	109	81	122			
Ethylbenzene	0.116	0.00500	0.116	0	99.6	80	120			
Toluene	0.119	0.0100	0.116	0	103	80	120			
Total Xylenes	0.347	0.00500	0.348	0	99.8	80	120			
Surr: 1,2-Dichloroethane-d4	1030		1000		103	72	119			
Surr: 4-Bromofluorobenzene	1020		1000		102	76	119			
Surr: Dibromofluoromethane	981		1000		98.1	85	115			
Surr: Toluene-d8	1010		1000		101	81	120			

Sample ID: **2411159-01AMSD** Batch ID: **118028** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS5_241121A** Analysis Date: **11/21/2024 11:54:00 P** Prep Date: **11/21/2024**

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

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: TRC Environmental Corp.
Work Order: 2411167
Project: HFS North Monument

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241121A

Sample ID: **2411159-01AMSD** Batch ID: **118028** TestNo: **SW8260D** Units: **mg/L**
SampType: **MSD** Run ID: **GCMS5_241121A** Analysis Date: **11/21/2024 11:54:00 P** Prep Date: **11/21/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.118	0.00500	0.116	0	101	81	122	7.23	20	
Ethylbenzene	0.110	0.00500	0.116	0	94.7	80	120	5.10	20	
Toluene	0.112	0.0100	0.116	0	96.6	80	120	6.30	20	
Total Xylenes	0.334	0.00500	0.348	0	96.1	80	120	3.74	20	
Surr: 1,2-Dichloroethane-d4	1030		1000		103	72	119	0	0	
Surr: 4-Bromofluorobenzene	1050		1000		105	76	119	0	0	
Surr: Dibromofluoromethane	975		1000		97.5	85	115	0	0	
Surr: Toluene-d8	1020		1000		102	81	120	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Analytical Data Review Checklist		
Site: North Monument Release Site Location: Lea County, NM Client Name: HF Sinclair Project #: 574868.0000.0000	Laboratory: DHL Analytical (Round Rock, TX) Laboratory Report #(s): 2411167	QA Reviewer: Megan Yonts Date: 12/12/2024 Peer Reviewer: Nancy Bergstrom Date: 12/17/2024
Analytical Method(s): BTEX (SW-846 8260D); TPH GRO (SW-846 8015); TPH DRO (SW-846 8015)	Matrices Sampled: Groundwater; aqueous QA/QC samples	Sample Collection Date(s): 11/20/2024
Sampling Objective(s): Quarterly Groundwater Monitoring		
Sample IDs: Refer to laboratory data package.		

	Review Item or Question	Y	N	NA	Comments[1]
Usability Assessment					
	Sample Traceability / Chain of Custody				
1	Was the COC form appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC form?	X			
	Sample Preservation and Integrity				
4	Did samples arrive at the laboratory appropriately preserved?	X			
	Was the cooler temperature between 0-6°C when required?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			
	Were soil/sediment VOC and TPH samples preserved in the field or collected in EnCore® samplers when required?			X	
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis HT requirements met?	X			

	Review Item or Question	Y	N	NA	Comments[1]
8	Air Samples Collected in Evacuated Canisters Only: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
	Data Completeness				
9	Are results reported for all analytical methods requested?	X			
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?			X	
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	No sample results were reported in this concentration range.
15	Did the laboratory provide the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			Level II laboratory report.
	Sensitivity				
16	Do the detection limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Did the laboratory utilize the correct detection limits (e.g., QLs, RLs, MDLs, LODs, etc.)?	X			
18	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
19	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
	QC Results				
20	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
21	Does each analytical or preparation batch have its own method blank?	X			
22	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples.		X		Trip Blank: Trip Blank Equipment Blank: EB

	Review Item or Question	Y	N	NA	Comments[1]
23	Are there any potential false positive results based on questions 20 and/or 22? Note: This project reports analyte concentrations only down to the QL (no MDLs reported); therefore, there are no laboratory J-qualified results. Based on this data protocol, qualification of the data was performed as follows: • Sample results ≥QL but < the associated blank action limit were qualified as nondetects (U) at the reported concentration (organics) or as estimated with a potential high bias (J+) (inorganics). Action limits are calculated as 2x blank concentration for organics and 10x blank concentration for inorganics. • Qualification was not required for nondetect (ND) results or for positive results ≥ the associated blank action limit.		X		
24	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
25	Does each analytical or preparation batch have its own LCS?	X			
26	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.	X			
27	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses were performed on project sample MW-1 for TPH GRO.
28	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required, If no, list analytes affected, the RPDs and the sample that was spiked.	X			
29	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	

	Review Item or Question	Y	N	NA	Comments[1]
30	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. NOTE: Typical criteria are RPD ≤50 for solid samples and RPD ≤30 for aqueous samples when results are >5x the reporting limit; otherwise, these RPD criteria are doubled, OR these results may be evaluated based on the AbsD, which should be ≤2×QL for solid samples or ≤QL for aqueous samples.	X			Field duplicate pair MW-6 and Duplicate-01 met project criteria.
31	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
	Laboratory Comments				
32	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)? If yes, list the comments that have potential impact to sample results (or attach laboratory narrative and highlight the comments that have potential impact to sample results).		X		
33	Were any other potential data quality issues identified? If yes, describe issues.		X		
	Do the Data Make Sense?				
34	Do any results look suspect or questionable? If yes, ASK THE LAB and CONTACT the project team!		X		
35	Has the EDD been compared with the laboratory report?	X			

(1) Validation actions are generally based on the following EPA National Functional Guidelines documents(s) but may be modified based on project requirements or professional judgement: EPA National Functional Guidelines for Organic/Inorganic Superfund Methods Data Review (EPA-540-R-20-005/EPA-542-R-20-006), November 2020

Acronyms:

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
COC = Chain of Custody
DRO = Diesel Range Organics
EDD = Electronic Data Deliverable
GRO = Gasoline Range Organics
HT = Holding Time
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
LOD = Limit of Detection
MDL = Method Detection Limit
MS/MSD = Matrix Spike / Matrix Spike Duplicate
ND = Nondetect
QA = Quality Assurance
QC = Quality Control
QL = Quantitation Limit
RL = Reporting Limit

Review Item or Question	Y	N	NA	Comments[1]
RPD = Relative Percent Difference = 100% ×|(A-B)/((A+B)/2)| TPH = Total Petroleum Hydrocarbons **Definitions of Data Qualifiers (USEPA)**: None **Additional Comments**: None				

Sante Fe Main Office
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General Information
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 447360

CONDITIONS

Operator:	OGRID:
HF Sinclair Navajo Refining LLC ATTN: GENERAL COUNSEL Dallas, TX 75201	15694
	Action Number: 447360
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Review of the Site Status Report for 2024, HF Sinclair, N. Monument 6 in. Gathering Line: Content Satisfactory 1. EFR shall continue with a quarterly schedule. 2. HF Sinclair may shall continue semi-annual schedule for groundwater monitoring events until all COCs are below the allowable concentrations, and then transition back to a quarterly schedule to collect eight (8) monitoring quarterly events for the incident closure requirement. 3. Include site investigation activities in next monitoring reports as well as conditions and any recommendations for incident remediation. 4. Submit the 2025 annual report to OCD by April 1, 2026.	6/6/2025