



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

t 512.329.6080

April 24, 2026

Ms. Ashley Maxwell
Senior Environmental Specialist
Environmental Bureau Projects Group
New Mexico Energy, Minerals and Natural Resources Department – Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87110

**Re: 2025 Annual Groundwater Monitoring Report
WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release
NMOCD Incident No. NOY1822242858
Unit P, Section 11, Township 20S, Range 36E
Latitude 32.583874, Longitude -103.317460
Lea County, New Mexico**

Dear Ms. Maxwell:

On behalf of Holly Energy Partners – Operating LLC (HEP), TRC Environmental Corporation (TRC) is providing this *2025 Annual Groundwater Monitoring Report*. This report was prepared to summarize the 2025 groundwater monitoring activities performed at HEP's WTX to EMSU Battery to Byrd Pump Segment gathering line release site (Site) in accordance with the April 1, 2022, *Remediation Workplan Addendum (Workplan Addendum)*, which was approved by New Mexico Oil Conservation Division (NMOCD) on April 5, 2022. Remediation at the Site is being conducted to address remaining affected soil and groundwater associated with a gathering line release discovered by HEP in 2018.

The Site is located on private property owned by L&K Ranch, LLC, near County Road 46 in Lea County, New Mexico, within Unit P, Section 11, Township 20 South, Range 36 East, at latitude 32.583874, longitude -103.317460. The Site location is depicted on a topographic map presented as **Figure 1**.

BACKGROUND

Quarterly groundwater monitoring activities were conducted during 2025 in accordance with the April 2022 *Remediation Workplan Addendum*. While previous groundwater assessment results indicated groundwater beneath the Site has not been affected by the 2018 release from the Byrd Pump Segment gathering line, quarterly groundwater monitoring was proposed at the Site as a conservative measure to monitor groundwater quality during implementation of the soil remedies described in the April 2022 *Workplan Addendum*. As documented in the October 2022 *Bioventing Recommendation Report*, soil remediation activities (i.e., excavation and bioventing pilot test) commenced at the Site in August 2022 and quarterly groundwater sampling commenced at the Site during the third quarter of 2022. Prior to the approval of the April 2022 *Workplan Addendum*,

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 2

three groundwater sampling events were conducted from November 2020 to October 2021 as part of assessment activities.

Initial full-scale bioventing system installation activities (installation and completion of bioventing wells) commenced at the Site in May 2023 in accordance with the October 2022 *Bioventing Recommendation Report*, and several system components were installed during the first quarter of 2024. The full-scale bioventing system began operation in June 2024 in accordance with the October 2022 *Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report* (Recommendation Report). System operations were suspended on October 7, 2024, due to the appearance of light non-aqueous phase liquids (LNAPL) in source area wells (MW-1, BV-1-D, and BV-3-D). The bioventing system will remain down pending submittal of a Stage 2 Abatement Plan for an alternate remedy.

Measurable LNAPL was observed in wells MW-1, BV-1-D, and BV-3-D during 2024 and 2025. The appearance of LNAPL in these wells is likely associated with decreasing water levels beneath the Site. The bioventing system was designed to address affected vadose zone soil and not LNAPL. TRC evaluated remedial alternatives to address the LNAPL in addition to the affected vadose zone soil and presented recommendations for *in situ* remediation to NMOCD in a meeting on April 11, 2025. NMOCD indicated that an *in situ* remedy for affected soil in the vadose zone would not be approved. NMOCD also requested a revised Abatement Plan be submitted by May 1, 2025. TRC submitted a Stage 1 Abatement Plan on May 1, 2025, which included recommendations to perform geotechnical drilling to support development of a slope stability analysis and excavation plan and preparation of a Stage 2 Abatement Plan for a potential excavation remedy. NMOCD approved the Stage 1 Abatement Plan on December 18, 2025.

LNAPL recovery was conducted on a bi-weekly to monthly basis in 2025 through use of sorbents and hand bailing in wells MW-01 and BV-1-D, and a belt skimmer that was installed in well BV-3-D in December 2024. Operation and maintenance (O&M) was performed on the belt skimmer in 2025. Damage to the wiring and belt due to rodent activity was observed in November 2025. The belt skimmer was removed from well BV-3-D in November 2025, and skimming operations were suspended through the remainder of 2025. Pending approval of a Stage 2 Abatement Plan in 2026, there are no current plans to repair the belt skimmer and return it to operation. In the interim, manual LNAPL recovery methods will be employed at well BV-3-D based on apparent LNAPL thickness (hand bailing/sorbents).

Copies of e-mail correspondence with NMOCD are included in **Attachment A**.

GROUNDWATER MONITORING ACTIVITIES

Quarterly groundwater monitoring activities were conducted on: March 11 and 12, 2025; June 2 and 3, 2025; September 10 and 11, 2025; and November 19 and 20, 2025. During each event, an oil-water interface probe was used to measure static depth to groundwater and depth to LNAPL, if present, to the nearest 0.01 foot in each monitoring well (MW-01 through MW-05). Following



Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 3

observation of LNAPL in well BV-3-D in 2023, bioventing wells BV-1-D through BV-4-D were also gauged to monitor LNAPL presence and thickness. Measurements were used to determine the groundwater elevation, seasonal groundwater elevation trends, and groundwater flow direction and gradient. Fluid level measurement data collected during groundwater monitoring events is presented in **Table 1**.

Measurable LNAPL (0.01 feet or greater) was detected in well MW-01 during the March, September, and November groundwater monitoring events. Well MW-01 was not sampled during any monitoring event in 2025 (sorbent present in well MW-01 during June 2025 event); groundwater samples were not collected from wells with measurable LNAPL.

Monitoring wells MW-02 through MW-05 were purged and sampled using low-flow, low-stress sampling techniques during each quarterly groundwater monitoring event. A pneumatic bladder pump with dedicated discharge tubing was slowly lowered into each well to prevent turbulence and mixing of any sediment from the bottom of the well. The pump intake 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 wells. 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. Groundwater quality parameters are presented on the groundwater monitoring field forms included in **Attachment B**. 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.

Groundwater samples were collected for laboratory analysis of benzene, toluene, ethylbenzene and xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8260 and total petroleum hydrocarbons (TPH) by EPA Method 8015M. 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 ALS Environmental of Houston, Texas. All non-dedicated equipment was decontaminated prior to being used at the Site and after use at each well.

GROUNDWATER MONITORING RESULTS

Well Gauging

Site-wide, synoptic fluid level gauging was performed during the quarterly groundwater monitoring events prior to purging and sample collection. LNAPL was detected in well MW-01 during the March, September, and November 2025 events. LNAPL observations and abatement

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 4

activities are presented in the LNAPL Recovery section below. Fluid level measurement data is presented in **Table 1**. The locations of the monitoring wells are depicted on **Figure 2**.

Groundwater flow was to the south-southeast at a hydraulic gradient ranging from 0.001 feet per foot (March and June 2025) to 0.002 feet per foot (September and November 2025). This is generally consistent with previous monitoring events conducted at the Site. The March, June, September, and November 2025 groundwater potentiometric surface maps are depicted on **Figures 3, 4, 5, and 6**, respectively.

Overall, groundwater elevations have steadily decreased at all Site wells from November 2020 to December 2025.

Groundwater Analytical Results

Groundwater samples were collected from each monitoring well during each quarterly monitoring event and analyzed for BTEX and TPH, with the exception of well MW-01, which was not sampled in 2025 due to the presence of LNAPL. New Mexico has groundwater standards for BTEX compounds but does not have a groundwater standard for TPH. BTEX concentrations were monitored during previous groundwater monitoring events in 2020 and 2021 and were returned to the monitoring program in 2025. TPH concentrations have been monitored for any changes during soil remediation activities (August 2022 through October 2024), with data from previous monitoring events (November 2020, May 2021, and October 2021) serving as a baseline for the evaluation of TPH concentrations in groundwater.

As observed during previous groundwater monitoring events in 2020 and 2021, no BTEX concentrations were detected in any groundwater sample collected during 2025 monitoring events. From October 2021 (the last event conducted before soil remediation activities commenced on August 9, 2022) to November 2025, TPH diesel range organics (DRO) and TPH motor oil range organics (MRO) concentrations demonstrated stable to decreasing trends. During the same timeframe, TPH gasoline range organics (GRO) concentrations remained non-detect with the exception of detections at all monitoring wells in September 2023.

Results from the 2025 monitoring events are summarized as follows:

- No BTEX or TPH GRO concentrations were detected in any groundwater sample collected in 2025.
- In March 2025, TPH DRO and MRO were not detected above reporting limits (RLs) in any well.
- In June 2025, TPH DRO was detected at an estimated J-flagged concentration (i.e., detected above the method detection limit but below the RLs) in wells MW-02 (original and duplicate samples), MW-03, MW-04, and MW-05, with a maximum concentration of 0.0225 mg/L in MW-05, the most upgradient well. TPH MRO was detected above RLs in wells MW-02 and

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 5

MW-05 at estimated J-flagged concentrations, with a maximum concentration of 0.0301 mg/L in upgradient well MW-05.

- In September 2025, TPH DRO and MRO were detected above RLs in only wells MW-04 and MW-05, with maximum concentrations of 0.0698 mg/L and 0.26 mg/L in upgradient well MW-05, respectively.
- In November 2025, TPH DRO was detected above RLs at estimated J-flagged concentrations in wells MW-02 (original and duplicate samples), MW-04, and MW-05, with a maximum concentration of 0.0210 J mg/L in upgradient well MW-05. TPH MRO was not detected at any well in November 2025.

It should be noted that well MW-05, which had detections of TPH DRO and MRO in June and September 2025, is located approximately 95 feet north-northwest (i.e., upgradient) of the release location. The presence of TPH in groundwater upgradient of the Site indicates the potential contribution from an upgradient source or a regional issue.

Groundwater analytical data from 2020 to 2025 are presented in **Table 2**. A summary of the 2025 analytical results is presented on **Figure 7**. Copies of the laboratory analytical reports are included in **Attachment C**. Groundwater elevation and TPH concentration plots for wells MW-01 through MW-05 are presented in **Attachment D**.

Quality Control/Quality Assurance Results

Data were reviewed to ensure that reported analytical results meet 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. It was determined that quality control data associated with the analytical results indicate reported concentrations of target analytes are defensible and measurement data reliability is within the expected limits of sampling and analytical error. Copies of laboratory analytical reports and quality control forms are provided in **Attachment C**.

LNAPL ABATEMENT

LNAPL was first detected at the Site in September 2023 in well MW-01. As part of the bioventing system installation, the bioventing wells were gauged in March 2024 and LNAPL was detected in both well MW-01 and bioventing well BV-3-D. Subsequently, all Site wells were gauged on a regular basis and LNAPL was detected in bioventing well BV-1-D beginning in October 2024. Measurable LNAPL was observed in wells MW-01, BV-1-D, and BV-3-D during 2024 and 2025. Fluid level measurement data from the bi-weekly gauging events is presented in **Attachment E**. Groundwater elevation and LNAPL thickness plots for wells MW-01, BV-1-D, and BV-3-D are presented in **Attachment D**.

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 6

The LNAPL in the Site wells was observed to be dark with a sticky consistency consistent with crude oil. The presence of measurable LNAPL in well MW-01 and bioventing wells BV-1-D and BV-3-D coincides with decreasing groundwater levels at the Site; the November 2025 groundwater elevation at MW-01 is the lowest at any monitoring well since monitoring commenced in November 2020. This section presents an evaluation of LNAPL recovery efforts at the Site.

LNAPL Recovery

In response to the 2023 detections of LNAPL at well MW-01, bi-weekly to monthly LNAPL monitoring and abatement activities were initiated including the deployment of sorbent socks in MW-01, manual LNAPL recovery via hand-bailing, and gauging of monitoring and bioventing wells. LNAPL was detected in bioventing wells BV-3-D (down/cross-gradient from the release location) beginning in March 2024 and BV-1-D (upgradient from the release location) beginning in October 2024; in response, bi-weekly to monthly hand-bailing was initiated at these wells.

In 2025, approximately 0.40 gallons of LNAPL were recovered from MW-01, approximately 5.10 gallons of LNAPL were recovered from bioventing well BV-1-D, and approximately 2.00 gallons of LNAPL were recovered from bioventing well BV-3-D, for a total of 7.50 gallons of LNAPL recovered in 2025. A cumulative total of 14.82 gallons of LNAPL has been recovered since recovery began in 2023.

As indicated in email correspondence to NMOCD dated November 4, 2024, a belt skimmer pump was installed in bioventing well BV-3-D to facilitate LNAPL recovery from this well. The skimmer pump was installed on December 17, 2024, but did not begin operation until January 2025. Operation and maintenance (O&M) was performed on the belt skimmer in 2025; however, damage to the wiring and belt due to rodent activity was observed in November 2025. The belt skimmer was removed from bioventing well BV-3-D in November 2025 and operation remained suspended through the remainder of 2025. There are no current plans to repair the belt skimmer and return it to operation. In the interim, manual LNAPL recovery methods will be employed at well BV-3-D as appropriate based on apparent LNAPL thickness (hand bailing/sorbents).

REMEDIATION PATH FORWARD

TRC submitted a Stage 1 Abatement Plan on May 1, 2025, which included recommendations to perform geotechnical drilling to support development of a slope stability analysis and engineering evaluation of excavation and off-Site disposal of the crude oil affected soil and LNAPL at the Site. NMOCD approved the Stage 1 Abatement Plan on December 18, 2025.

INVESTIGATION DERIVED WASTE MANAGEMENT

The investigation-derived waste (IDW) generated during 2025 monitoring activities included purge and decontamination water, sorbent socks, recovered LNAPL and miscellaneous field waste (paper



Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 7

towels, gloves, tubing, etc.). The IDW is currently staged onsite in properly labeled 55-gallon drums pending characterization and disposal at an approved facility.

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are based on the 2025 quarterly groundwater monitoring results and LNAPL recovery activities:

- Groundwater flow was to the south-southeast, consistent with previous monitoring events.
- Groundwater elevation decreased throughout 2025 to the lowest elevations measured since monitoring began in 2020.
- Measurable LNAPL was detected in monitoring well MW-01 and bioventing wells BV-1-D and BV-3-D. The presence of measurable LNAPL in these wells coincides with decreasing groundwater levels.
- BTEX and TPH GRO were not detected at any monitoring well during 2025.
- Low level concentrations of TPH DRO were detected above RLs in all sampled monitoring wells during 2025.
- Low level, sporadic detections of TPH MRO occurred in 2025.
- No samples were collected from well MW-01 during 2025 due to the presence of LNAPL.
- Concentrations of TPH DRO and MRO were generally stable to decreasing in 2025 in wells MW-02, MW-03, MW-04, and MW-05.
- The consistent presence of TPH at well MW-05, located upgradient of the Site, indicates potential contribution from an upgradient source or a regional issue.
- LNAPL abatement measures including deployment of sorbent socks in well MW-01 and periodic manual hand-bailing in wells MW-01, BV-1-D, and BV-3-D.
- Approximately 7.50 gallons of LNAPL were recovered from wells MW-01, BV-1-D, and BV-3-D in 2025. A cumulative total of 14.82 gallons of LNAPL has been recovered since 2023. LNAPL recovery will continue in calendar year 2026 pending implementation of a Stage 2 Abatement Plan approved by NMOCD.
- Overall, the 2025 groundwater monitoring data indicates that groundwater beneath the Site has been affected by the 2018 HEP release based on the presence of LNAPL, however the LNAPL is delineated and stable. To date, no groundwater sample has exceeded the BTEX Groundwater Action Levels.

The following Site activities will be conducted in 2026:

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 8

- Quarterly groundwater monitoring events will be conducted in accordance with the April 2022 Remediation Workplan Addendum (Addendum), which was approved by the NMOCD on April 5, 2022. Groundwater analysis will continue to include BTEX and TPH.
- Monthly LNAPL recovery activities will continue. Monitoring wells MW-01 through MW-05 and bioventing wells BV-1D, BV-2D, BV-3D, and BV-4 will be gauged for depth to LNAPL, if present, and depth to water during each visit. Based on gauging results and apparent LNAPL thickness, the sorbent in well MW-01 will be replaced as needed. LNAPL in bioventing wells BV-1-D and BV-3-D will be recovered using either disposable bailers or sorbents as applicable based on LNAPL thickness.
- TRC advanced four geotechnical test borings and nine delineation borings at the Site in February 2026 to develop a slope stability analysis and engineering evaluation of excavation and off-Site disposal of the crude oil affected soil and LNAPL at the Site
- TRC will prepare a Stage 2 Abatement Plan. The Stage 2 Abatement Plan will include a brief description of the current Site status, the development and assessment of abatement options, a description and justification for the selected/preferred abatement option, Site maintenance activities, a schedule for the abatement activities, and a public notification proposal.

The next Annual Groundwater Monitoring Report summarizing 2026 quarterly groundwater monitoring activities will be submitted to the NMOCD within 120 days from the end of 2026. The report will include a summary of groundwater monitoring and LNAPL abatement activities.

CLOSING

If you should have any questions or comments regarding this project, please contact Paul Richardson of HF Sinclair at (918) 594-3267 or Shannon A. Hoover of TRC at (512) 632-8006.

Sincerely,



Shannon A. Hoover, P.G.
Principal Project Manager



Bryan Gilbert, P.G.
Area Leader – Central Texas | El Paso

Ms. Ashley Maxwell
2025 Annual Groundwater Monitoring Report
April 24, 2026
Page 9

Attachments: Table 1 – Summary of Groundwater Elevations
Table 2 – Summary of Groundwater Sample Analytical Results

Figure 1 – Site Location Map
Figure 2 – Well Location Map
Figure 3 – Groundwater Potentiometric Surface Map – March 2025
Figure 4 – Groundwater Potentiometric Surface Map – June 2025
Figure 5 – Groundwater Potentiometric Surface Map – September 2025
Figure 6 – Groundwater Potentiometric Surface Map – November 2025
Figure 7 – Summary of 2025 Groundwater Sample Analytical Results

Attachment A – Copies of E-Mail Correspondence
Attachment B – Groundwater Sampling Forms
Attachment C – Laboratory Analytical Reports
Attachment D – Groundwater Elevation and TPH Plots
Attachment E – Monthly Fluid Level Measurements

cc: Cory Smith, New Mexico Energy, Minerals, and Natural Resources Department, Artesia, New Mexico
L&K Ranch LLC, Hobbs, New Mexico
Paul Richardson, HF Sinclair, Tulsa, Oklahoma
Melanie Nolan, HF Sinclair Midstream, Artesia, New Mexico
Jason Leik, P.E., HF Sinclair, Dallas, Texas

TABLES

**TABLE 1
SUMMARY OF QUARTERLY MONITORING EVENT GROUNDWATER ELEVATIONS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-01	49.25	3,561.71	3,561.53	29.00 - 49.00	11/07/20	ND	36.29	0.00	36.29	3,525.24	12.96
					05/28/21	ND	36.47	0.00	36.47	3,525.06	12.78
					10/12/21	ND	36.67	0.00	36.67	3,524.86	12.58
					08/16/22	ND	37.08	0.00	37.08	3,524.45	12.17
					12/20/22	ND	37.25	0.00	37.25	3,524.28	12.00
					02/22/23	ND	37.26	0.00	37.26	3,524.27	11.99
					06/20/23	ND	37.32	0.00	37.32	3,524.21	11.93
					09/14/23	37.46	37.48	0.02	37.46	3,524.07	11.79
					10/17/23	37.51	37.52	0.01	37.51	3,524.02	11.74
					12/13/23	37.56	37.57	0.01	37.56	3,523.97	11.69
					03/07/24	37.54	37.55	0.01	37.54	3,523.99	11.71
					05/08/24	37.58	37.59	0.01	37.58	3,523.95	11.67
					08/27/24	ND	37.78	0.00	37.78	3,523.75	11.47
					11/21/24	37.84	37.92	0.08	37.85	3,523.68	11.40
					03/10/25	37.85	37.92	0.07	37.86	3,523.67	11.39
					06/02/25	ND	38.91	0.00	38.91	3,522.62	10.34
					09/10/25	37.96	38.22	0.26	37.98	3,523.55	11.27
11/19/25	38.05	38.06	0.01	38.05	3,523.48	11.20					
MW-02	49.49	3,563.09	3,562.94	29.24 - 49.24	11/07/20	ND	37.59	0.00	37.59	3,525.35	11.90
					05/25/21	ND	37.81	0.00	37.81	3,525.13	11.68
					10/06/21	ND	37.95	0.00	37.95	3,524.99	11.54
					08/16/22	ND	38.35	0.00	38.35	3,524.59	11.14
					12/20/22	ND	38.53	0.00	38.53	3,524.41	10.96
					02/22/23	ND	38.54	0.00	38.54	3,524.40	10.95
					06/20/23	ND	38.58	0.00	38.58	3,524.36	10.91
					09/14/23	ND	38.75	0.00	38.75	3,524.19	10.74
					10/17/23	ND	37.79	0.00	37.79	3,525.15	11.70
					12/13/23	ND	38.83	0.00	38.83	3,524.11	10.66
					03/07/24	ND	38.83	0.00	38.83	3,524.11	10.66
					05/08/24	ND	38.87	0.00	38.87	3,524.07	10.62
					08/26/24	ND	39.03	0.00	39.03	3,523.91	10.46
					11/21/24	ND	39.16	0.00	39.16	3,523.78	10.33
					03/10/25	ND	39.16	0.00	39.16	3,523.78	10.33
					06/02/25	ND	39.20	0.00	39.20	3,523.74	10.29
					09/10/25	ND	39.26	0.00	39.26	3,523.68	10.23
11/19/25	ND	39.32	0.00	39.32	3,523.62	10.17					
MW-03	49.93	3,562.91	3,562.81	29.68 - 49.68	11/07/20	ND	37.58	0.00	37.58	3,525.23	12.35
					05/25/21	ND	37.79	0.00	37.79	3,525.02	12.14
					10/12/21	ND	37.99	0.00	37.99	3,524.82	11.94
					08/16/22	ND	38.31	0.00	38.31	3,524.50	11.62
					12/20/22	ND	38.49	0.00	38.49	3,524.32	11.44
					02/22/23	ND	38.51	0.00	38.51	3,524.30	11.42
					06/20/23	ND	38.56	0.00	38.56	3,524.25	11.37
					09/14/23	ND	38.71	0.00	38.71	3,524.10	11.22
					10/17/23	ND	37.73	0.00	37.73	3,525.08	12.20
					12/13/23	ND	38.81	0.00	38.81	3,524.00	11.12
					03/07/24	ND	38.80	0.00	38.80	3,524.01	11.13
					05/08/24	ND	38.83	0.00	38.83	3,523.98	11.10
					08/26/24	ND	39.00	0.00	39.00	3,523.81	10.93
					11/21/24	ND	39.13	0.00	39.13	3,523.68	10.80
					03/10/25	ND	39.14	0.00	39.14	3,523.67	10.79
					06/02/25	ND	38.18	0.00	38.18	3,524.63	11.75
					09/10/25	ND	39.25	0.00	39.25	3,523.56	10.68
11/19/25	ND	39.30	0.00	39.30	3,523.51	10.63					

**TABLE 1
SUMMARY OF QUARTERLY MONITORING EVENT GROUNDWATER ELEVATIONS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-04	50.31	3,563.26	3,563.12	30.06 - 50.06	11/07/20	ND	37.92	0.00	37.92	3,525.20	12.39
					05/25/21	ND	38.12	0.00	38.12	3,525.00	12.19
					10/06/21	ND	38.28	0.00	38.28	3,524.84	12.03
					08/16/22	ND	38.64	0.00	38.64	3,524.48	11.67
					12/20/22	ND	38.82	0.00	38.82	3,524.30	11.49
					02/22/23	ND	38.85	0.00	38.85	3,524.27	11.46
					06/20/23	ND	38.91	0.00	38.91	3,524.21	11.4
					09/14/23	ND	39.05	0.00	39.05	3,524.07	11.26
					10/17/23	ND	38.08	0.00	38.08	3,525.04	12.23
					12/13/23	ND	39.14	0.00	39.14	3,523.98	11.17
					03/07/24	ND	39.12	0.00	39.12	3,524.00	11.19
					05/08/24	ND	39.17	0.00	39.17	3,523.95	11.14
					08/26/24	ND	39.35	0.00	39.35	3,523.77	10.96
					11/21/24	ND	39.44	0.00	39.44	3,523.68	10.87
					03/10/25	ND	39.45	0.00	39.45	3,523.67	10.86
					06/02/25	ND	39.50	0.00	39.50	3,523.62	10.81
09/10/25	ND	39.58	0.00	39.58	3,523.54	10.73					
11/19/25	ND	39.62	0.00	39.62	3,523.50	10.69					
MW-05	49.72	3,563.62	3,563.40	29.47 - 49.47	05/28/21	ND	38.15	0.00	38.15	3,525.25	11.57
					10/12/21	ND	38.34	0.00	38.34	3,525.06	11.38
					08/16/22	ND	38.68	0.00	38.68	3,524.72	11.04
					12/20/22	ND	38.89	0.00	38.89	3,524.51	10.83
					02/22/23	ND	38.89	0.00	38.89	3,524.51	10.83
					06/20/23	ND	38.92	0.00	38.92	3,524.48	10.80
					09/14/23	ND	39.49	0.00	39.49	3,523.91	10.23
					10/17/23	ND	38.11	0.00	38.11	3,525.29	11.61
					12/13/23	ND	39.21	0.00	39.21	3,524.19	10.51
					03/07/24	ND	39.19	0.00	39.19	3,524.21	10.53
					05/08/24	ND	39.22	0.00	39.22	3,524.18	10.50
					08/26/24	ND	39.39	0.00	39.39	3,524.01	10.33
					11/21/24	ND	39.51	0.00	39.51	3,523.89	10.21
					03/10/25	ND	39.51	0.00	39.51	3,523.89	10.21
					06/02/25	ND	39.58	0.00	39.58	3,523.82	10.14
					09/10/25	ND	39.62	0.00	39.62	3,523.78	10.10
11/19/25	ND	39.66	0.00	39.66	3,523.74	10.06					
BV-1-D	39.90		3,561.95	32.65 - 39.65	03/07/24	ND	37.81	0.00	37.81	3524.14	2.09
					05/08/24	ND	37.95	0.00	37.95	3524.00	1.95
					08/26/24	ND	38.36	0.00	38.36	3523.59	1.54
					11/21/24	38.22	38.47	0.25	38.24	3523.71	1.66
					03/10/25	38.17	38.62	0.45	38.21	3523.74	1.69
					06/02/25	38.35	38.75	0.40	38.39	3523.56	1.51
					09/10/25	38.28	38.82	0.54	38.33	3523.62	1.57
					11/19/25	38.36	39.02	0.66	38.42	3523.53	1.48
BV-2-D	40.10		3,561.73	34.85 - 39.85	03/07/24	ND	37.52	0.00	37.52	3524.21	2.58
					05/08/24	ND	37.71	0.00	37.71	3524.02	2.39
					08/26/24	ND	38.16	0.00	38.16	3523.57	1.94
					11/21/24	ND	38.23	0.00	38.23	3523.50	1.87
					03/10/25	ND	37.98	0.00	37.98	3523.75	2.12
					06/02/25	ND	38.05	0.00	38.05	3523.68	2.05
					09/10/25	ND	38.11	0.00	38.11	3523.62	1.99
					11/19/25	ND	37.18	0.00	37.18	3524.55	2.92

**TABLE 1
SUMMARY OF QUARTERLY MONITORING EVENT GROUNDWATER ELEVATIONS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
BV-3-D	42.30		3,562.12	35.05 - 42.05	03/07/24	38.20	39.20	1.00	38.30	3523.83	4.01
					05/08/24	38.25	39.05	0.80	38.33	3523.79	3.97
					08/27/24	38.43	39.12	0.69	38.50	3523.62	3.80
					11/21/24	38.55	39.16	0.61	38.61	3523.51	3.69
					03/10/25	ND	39.75	0.00	39.75	3522.37	2.55
					06/02/25	ND	38.21	0.00	38.21	3523.91	4.09
					09/10/25	--	--	--	--	--	--
					11/19/25	39.80	40.21	0.41	39.84	3522.28	2.46
BV-4-D	39.50		3,561.44	29.25 - 39.25	03/07/24	ND	37.30	0.00	37.30	3524.14	2.20
					05/08/24	ND	37.45	0.00	37.45	3523.99	2.05
					08/26/24	ND	37.88	0.00	37.88	3523.56	1.62
					11/21/24	ND	37.97	0.00	37.97	3523.47	1.53
					03/10/25	ND	37.73	0.00	37.73	3523.71	1.77
					06/02/25	ND	37.79	0.00	37.79	3523.65	1.71
					09/10/25	ND	37.86	0.00	37.86	3523.58	1.64
					11/19/25	ND	37.92	0.00	37.92	3523.52	1.58

Notes:

amsl = above mean sea level

btoc = below top of casing

LNAPL = light non-aqueous phase liquid

ND = not detected

-- = no measurement due to pump

BV top of casing elevations calculated from laser level survey conducted on 8/27/2024.

Corrected water level elevations calculated using LNAPL specific gravity of 0.905 for MW-01, BV-1-D, and BV-3-D.

**TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitoring Well ID	Sample Date	Constituent of Concern (COC)							TDS (mg/L)	Chloride (mg/L)
		BTEX (mg/L)				TPH (mg/L)				
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO		
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None	None	250
MW-01	11/7/2020	<0.0050	<0.0050	<0.0050	<0.0050	0.0980	0.084	<0.10 n	3000	1260
	5/28/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.24	<0.10 n	--	1270
(Dup)	5/28/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.17	<0.10 n	--	1250
	10/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.052	<0.10 n	--	1280
	8/16/2022	--	--	--	--	<0.0500	0.083	0.11 n	--	--
(Dup)	8/16/2022	--	--	--	--	<0.0500	0.085	0.11 n	--	--
	12/20/2022	--	--	--	--	<0.0500	0.095	0.22 n	--	--
	2/23/2023	--	--	--	--	<0.0500	0.11	0.22 n	--	--
(Dup)	2/23/2023	--	--	--	--	<0.0500	<0.051	<0.10 n	--	--
	6/20/2023	--	--	--	--	<0.0500	0.16	0.23 n	--	--
	9/14/2023	--	--	--	--	0.576	43	40 n	--	--
	12/13/2023	--	--	--	--	--	--	--	--	--
	3/8/2024	--	--	--	--	--	--	--	--	--
	5/9/2024	--	--	--	--	--	--	--	--	--
	8/26/2024	--	--	--	--	--	--	--	--	--
	11/21/2024	--	--	--	--	--	--	--	--	--
	3/11/2025	--	--	--	--	--	--	--	--	--
	6/3/2025	--	--	--	--	--	--	--	--	--
	9/10/2025	--	--	--	--	--	--	--	--	--
	11/20/2025	--	--	--	--	--	--	--	--	--
MW-02	11/7/2020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.050	<0.10 n	2970	1210
	5/25/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.12	<0.10 n	--	1250
	10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	<0.050	<0.10 n	--	1220
	8/16/2022	--	--	--	--	<0.0500	0.067	<0.099 n	--	--
	12/20/2022	--	--	--	--	<0.0500	0.090	0.23 n	--	--
(Dup)	12/20/2022	--	--	--	--	<0.0500	<0.052	0.14 n	--	--
	2/22/2023	--	--	--	--	<0.0500	0.064	<0.10 n	--	--
	6/20/2023	--	--	--	--	<0.0500	0.065	<0.10 n	--	--
	9/14/2023	--	--	--	--	0.425	0.099	<0.10 n	--	--
(Dup)	9/14/2023	--	--	--	--	0.206	0.090	<0.10 n	--	--
	12/13/2023	--	--	--	--	<0.0500	0.42	0.93 n	--	--
	3/8/2024	--	--	--	--	<0.0500	0.078	0.12 n	--	--
(Dup)	3/8/2024	--	--	--	--	<0.0500	0.12	0.15 n	--	--
	5/9/2024	--	--	--	--	<0.0100	0.065	0.19 n	--	--
(Dup)	5/9/2024	--	--	--	--	<0.0100	0.082	0.22 n	--	--
	8/26/2024	--	--	--	--	<0.0100	0.097	<0.020 n	--	--
(Dup)	8/26/2024	--	--	--	--	<0.0100	0.10	0.12 n	--	--
	11/21/2024	--	--	--	--	<0.0200	0.0530	<0.0200 n	--	--
(Dup)	11/21/2024	--	--	--	--	<0.0200	0.0619	0.113 n	--	--
	3/12/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200	--	--
(Dup)	3/12/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200	--	--
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00901 J	<0.00400	--	--
(Dup)	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00769 J	0.00836 J	--	--
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400	--	--
(Dup)	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400	--	--
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00817 J	<0.00400	--	--
(Dup)	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00617 J	<0.00400	--	--

**TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitoring Well ID	Sample Date	Constituent of Concern (COC)							TDS (mg/L)	Chloride (mg/L)
		BTEX (mg/L)				TPH (mg/L)				
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO		
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None	None	250
MW-03	11/7/2020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.050	<0.10 n	1970	736
	5/25/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.11	<0.10 n	--	849
	10/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	<0.050	<0.10 n	--	862
	8/16/2022	--	--	--	--	<0.0500	<0.051	<0.10 n	--	--
	12/20/2022	--	--	--	--	<0.0500	<0.050	<0.10 n	--	--
	2/22/2023	--	--	--	--	<0.0500	0.079	0.31 n	--	--
	6/20/2023	--	--	--	--	<0.0500	<0.052	0.13 n	--	--
	9/14/2023	--	--	--	--	0.244	<0.051	<0.10 n	--	--
	12/13/2023	--	--	--	--	<0.0500	<0.052	<0.10	--	--
	3/8/2024	--	--	--	--	<0.0500	0.21	0.53 n	--	--
	5/9/2024	--	--	--	--	<0.0100	<0.021	0.25 n	--	--
	8/26/2024	--	--	--	--	<0.0100	0.056	0.11 n	--	--
	11/21/2024	--	--	--	--	<0.0200	0.0503	0.154 n	--	--
	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200	--	--
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0150 J	<0.00400	--	--
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400	--	--
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400	--	--
MW-04	11/7/2020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0500	<0.050	<0.10 n	3020	1190
	5/25/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.064	<0.10 n	--	1310
	10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	<0.050	<0.10 n	--	1230
(Dup)	10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	<0.050	<0.10 n	--	1280
	8/16/2022	--	--	--	--	<0.0500	0.064	<0.11 n	--	--
	12/20/2022	--	--	--	--	<0.0500	0.054	<0.10 n	--	--
	2/22/2023	--	--	--	--	<0.0500	<0.049	<0.099 n	--	--
	6/20/2023	--	--	--	--	<0.0500	0.080	<0.10 n	--	--
	9/14/2023	--	--	--	--	0.421	0.12	0.19 n	--	--
	12/13/2023	--	--	--	--	<0.0500	0.17	0.54 n	--	--
(Dup)	12/13/2023	--	--	--	--	<0.0500	0.12	0.49 n	--	--
	3/8/2024	--	--	--	--	<0.0500	0.091	0.12 n	--	--
	5/9/2024	--	--	--	--	<0.0100	0.075	0.15 n	--	--
	8/26/2024	--	--	--	--	<0.0100	0.13	0.13 n	--	--
	11/21/2024	--	--	--	--	<0.0200	0.0548	0.140 n	--	--
	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200	--	--
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0103 J	<0.00400	--	--
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00752 J	0.00741 J	--	--
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0208 J	<0.00400	--	--

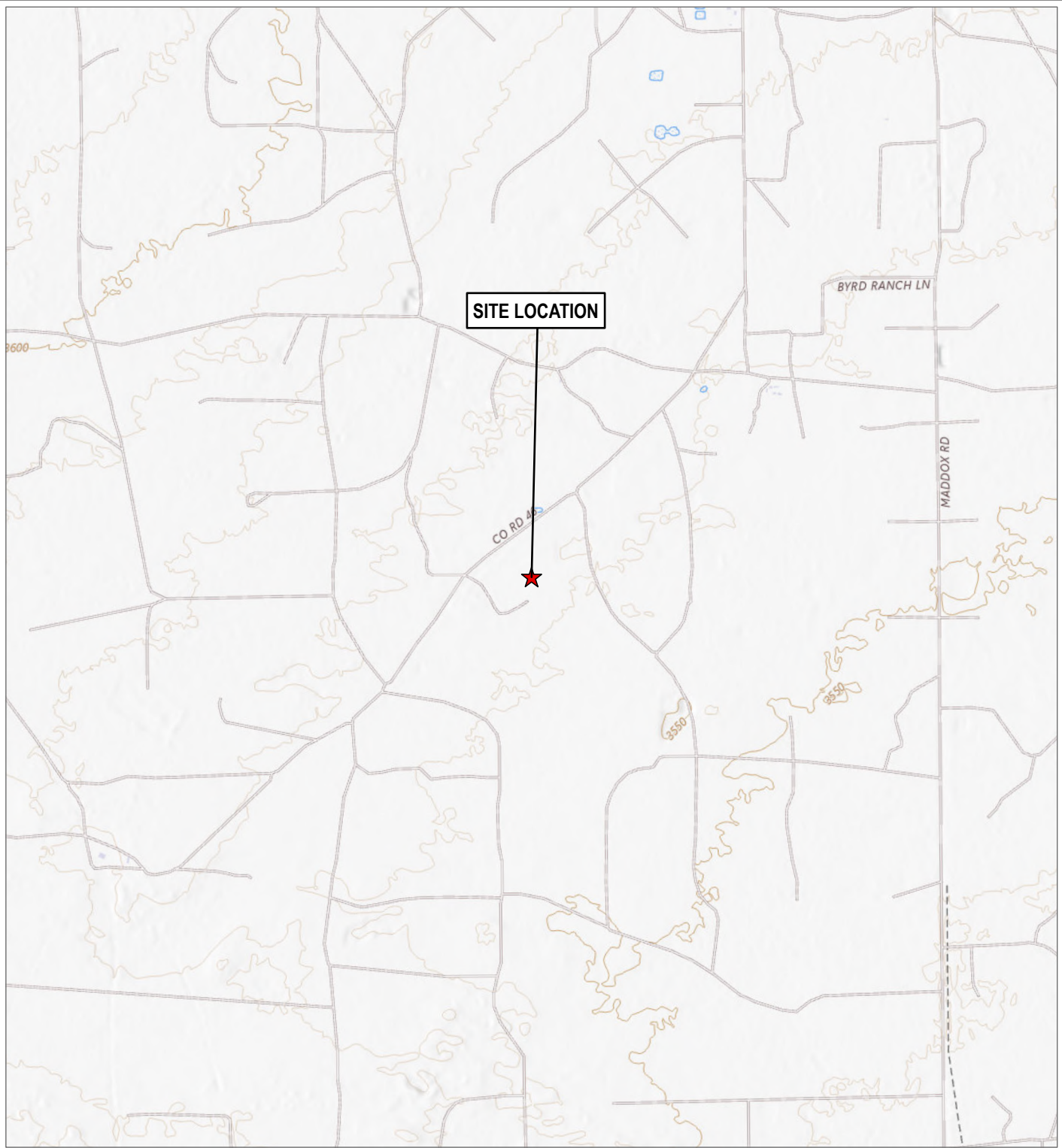
**TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
WTX TO EMSU BATTERY TO BYRD PUMP CRUDE OIL RELEASE, LEA COUNTY, NM**

Monitoring Well ID	Sample Date	Constituent of Concern (COC)									
		BTEX (mg/L)				TPH (mg/L)			TDS (mg/L)	Chloride (mg/L)	
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO			
Groundwater Action Levels	0.005	0.7	1.0	0.62	None	None	None	None	250		
MW-05	5/28/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	0.22	<0.10 n	3690	1170	
	10/12/2021	<0.005	<0.005	<0.005	<0.005	<0.0500	<0.050	<0.10 n	--	1230	
	8/16/2022	--	--	--	--	<0.0500	0.065	<0.10 n	--	--	
	12/20/2022	--	--	--	--	<0.0500	0.053	<0.10 n	--	--	
	2/22/2023	--	--	--	--	<0.0500	<0.052	<0.10 n	--	--	
	6/20/2023	--	--	--	--	<0.0500	0.066	<0.10 n	--	--	
	(Dup)	6/20/2023	--	--	--	--	<0.0500	0.065	<0.10 n	--	--
	9/14/2023	--	--	--	--	0.399	0.11	<0.10 n	--	--	
	12/13/2023	--	--	--	--	<0.0500	<0.053	<0.11 n	--	--	
	3/8/2024	--	--	--	--	<0.0500	0.14	0.19 n	--	--	
	5/9/2024	--	--	--	--	<0.0100	0.10	0.24 n	--	--	
	8/26/2024	--	--	--	--	<0.0100	0.13	0.10 n	--	--	
	11/21/2024	--	--	--	--	<0.0200	0.0686	<0.0200 n	--	--	
	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200	--	--	
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0225 J	0.0301 J	--	--	
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0698	0.26	--	--	
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0210 J	<0.00400	--	--	

Notes:

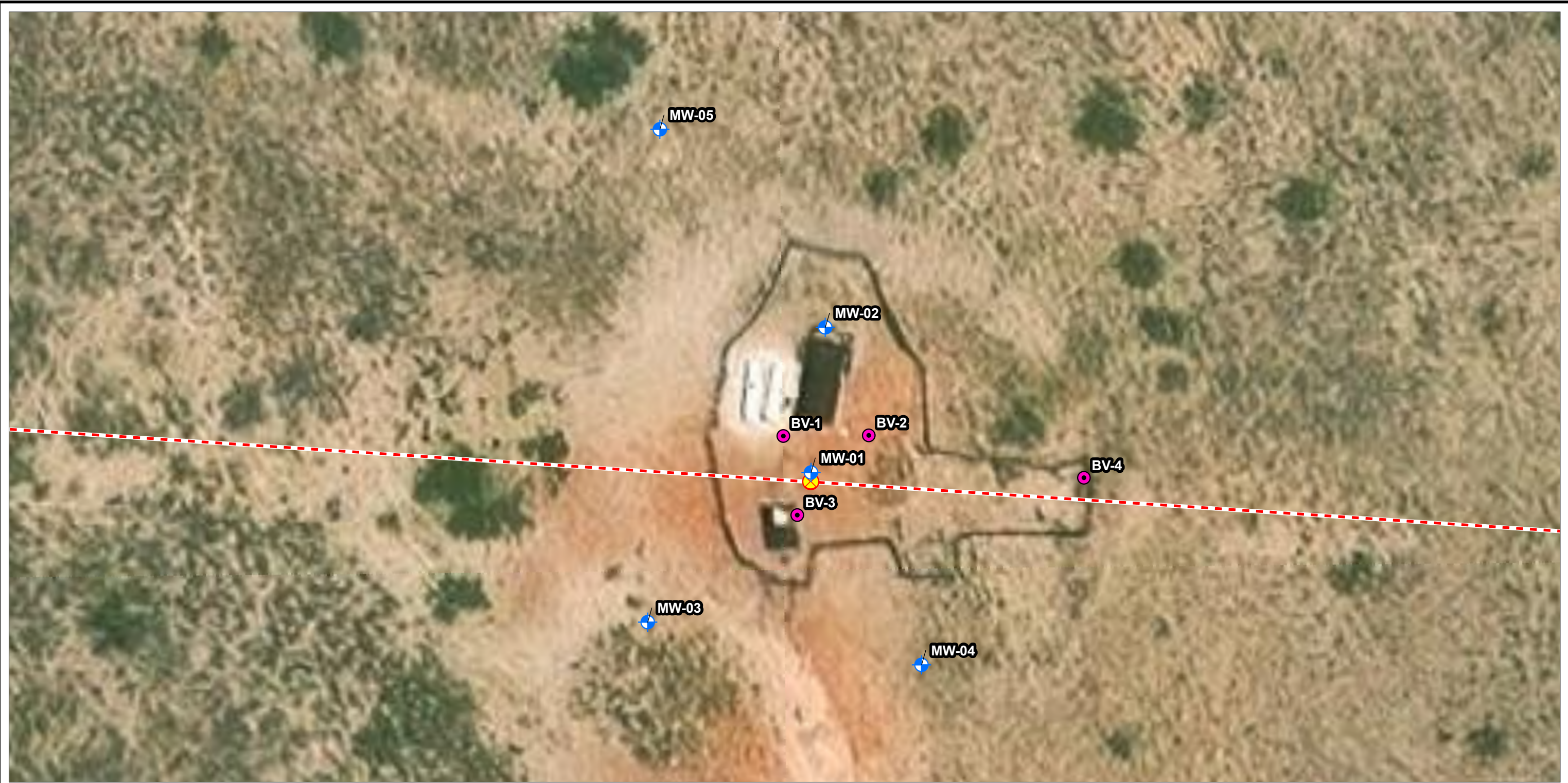
COC = constituent of concern.
 Groundwater Action Levels = Human health and drinking water standards for groundwater obtained from various sources.
 BTEX-Human Health Standards for Groundwater obtained from NMAC 20.6.2.3103 (A).
 NMOCD does not have a groundwater action level for TPH.
 Chloride-Other Standards for Domestic Water Supply obtained from NMAC 20.6.2.3103 (B).
 BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes by EPA Method 8260.
 TPH = Total Petroleum Hydrocarbons by EPA Method 8015.
 GRO = Gasoline Range Organics.
 DRO = Diesel Range Organics.
 MRO = Motor Oil Range Organics.
 Chloride by EPA Method 300.0.
 mg/L = milligrams of COC per Liter of groundwater.
 -- = Parameter not analyzed.
 J = Analyte detected below quantitation limit
 n = Noted as not offered for accreditation; however New Mexico does not have accreditation for MRO.
 Dup = Duplicate sample data.
 Detected concentrations reported in **bold**.
 Gold shading represents concentration above Other Standards for Domestic Water Supply (NMAC 20.6.2.3103 [A]).

FIGURES







COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET, MAP ROTATION: 0
 - SAVED BY: ATRANBERG ON 3/23/2026 17:10:22 PM - FILE PATH: T:\L\PROJ\ECTS\HESING\AIR\710766_WTX_2026\2-APPROX\WTX_2026\FIGURE 1 SITE LOCATION.MXD

SITE LOCATION		PROJECT: HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE	
		TITLE: SITE LOCATION MAP	
	DRAWN BY: A. TRANBERG	PROJ. NO.: 710766.0000.0000	
	CHECKED BY: P. SHIN	FIGURE 1	
	APPROVED BY: S. WHIPKEY		
DATE: MARCH 2026		505 EAST HUNTLAND DRIVE SUITE 250 AUSTIN, TX 78752 PHONE: 512.329.6080	
BASE MAP: ESRI "USGS TOPO" ONLINE SERVICE LAYER USGS 7.5' QUADRANGLE: MONUMENT SOUTH, NM (2023) DATA SOURCES: TRC, ESRI, USGS			
		FILE: WTX_GW_2026	



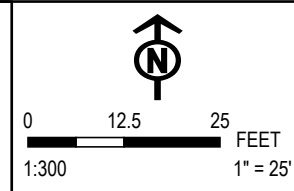
Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 F.U.S. Map Rotation: 0
 - Saved By: ATRANBERG on 3/23/2026, 17:10:22 PM. File Path: T:\1-PROJECTS\HF SINCLAIR\WTX_GW_2026.aprx. Layout Name: FIGURE 2 WELLS


LEGEND

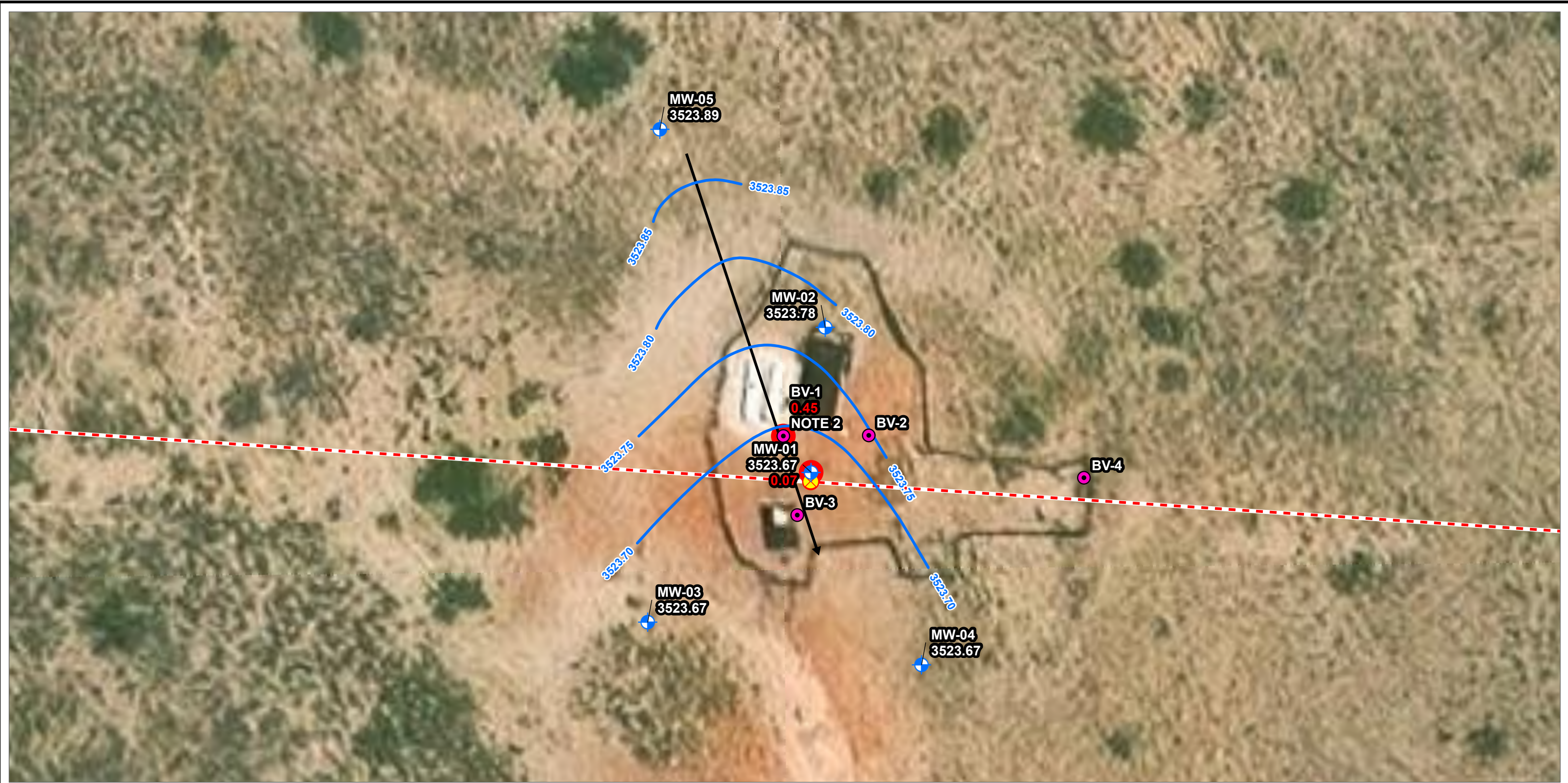
-  BIOVENTING INJECTION WELL
-  MONITORING WELL
-  RELEASE LOCATION
-  6" GATHERING LINE

NOTES:

BIOVENTING INJECTION WELLS BV-1, BV-2, BV-3, AND BV-4
 INSTALLED IN MAY 2023.
 BASE MAP: ESRI "WORLD_IMAGERY_HYBRID" ONLINE SERVICE
 LAYER
 IMAGERY DATE: 4/11/2024
 SOURCES: TRC, ESRI



PROJECT: HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE	
TITLE: WELL LOCATION MAP	
DRAWN BY: A. TRANBERG	PROJ. NO.: 710766.0000.0000
CHECKED BY: P. SHIN	FIGURE 2
APPROVED BY: S. WHIPKEY	
DATE: MARCH 2026	
	
505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	WTX_GW_2026.APRX



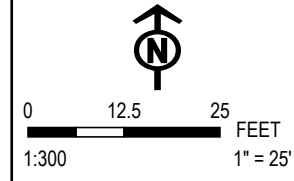
Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 F1 US - Map Rotation: 0
 - Saved By: ATRANBERG on 3/9/2026, 17:06:45 PM, File Path: T:\1-PROJECTS\HF\Sinclair\710766-WTX_2026\2-APPROX\WTX_GW_2026.aprx, Layout Name: FIGURE 3 (MAR 2025)

- LEGEND**
- BIOVENTING WELL LOCATION
 - ⊕ MONITORING WELL
 - ⊗ RELEASE LOCATION
 - LNAPL PRESENT
 - GROUNDWATER FLOW DIRECTION
 - - - 6" GATHERING LINE
 - POTENTIOMETRIC CONTOUR

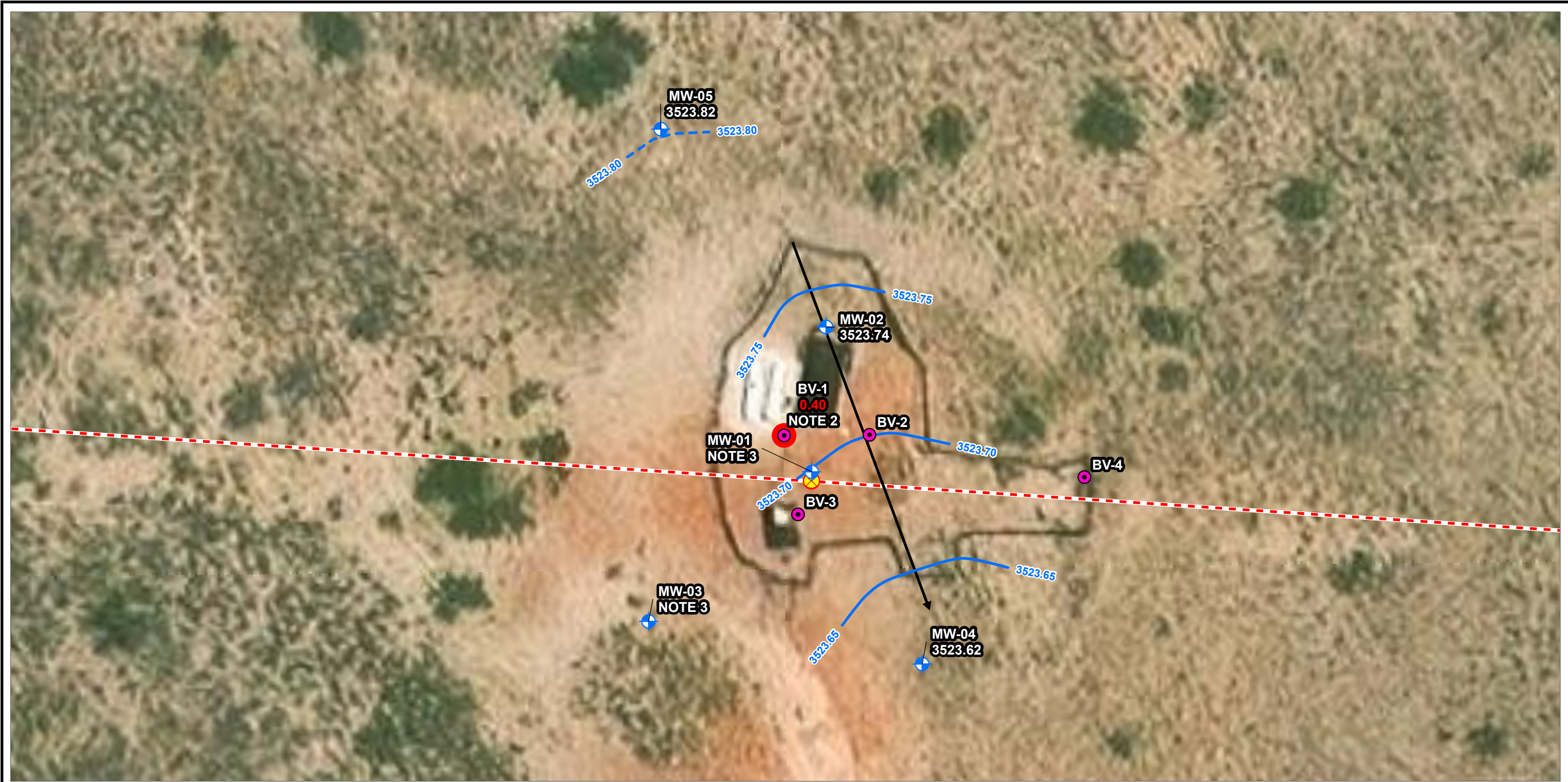
3524.01 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
0.01 APPARENT LNAPL THICKNESS

NOTES:
 1. BIOVENTING WELLS NOT USED FOR POTENTIOMETRIC SURFACE CONTOURS.
 2. LNAPL PRESENT IN DEEP SCREENED INTERVAL.

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER
 IMAGERY DATE: 4/11/2024
 SOURCES: TRC, ESRI

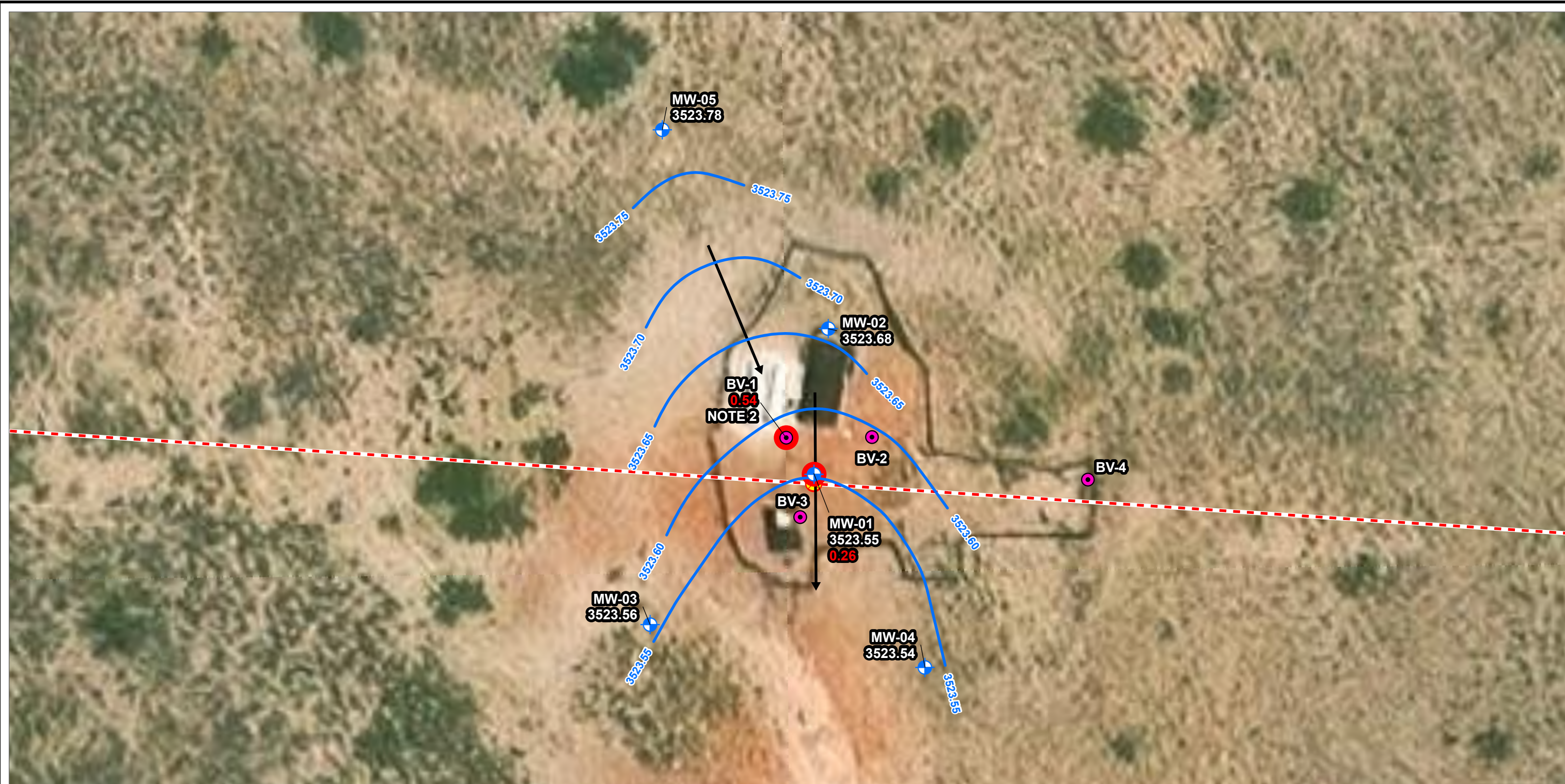


PROJECT: HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE	
TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP MARCH 2025	
DRAWN BY: A. TRANBERG	PROJ. NO.: 710766.0000.0000
CHECKED BY: P. SHIN	FIGURE 3
APPROVED BY: S. WHIPKEY	
DATE: MARCH 2026	
505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	WTX_GW_2026.APRX



Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 F1 US; Map Rotation: 0
 -- Saved By: ATRANBERG on 4/6/2026, 13:35:55 PM; File Path: T:\1-PROJECTS\HF Sinclair\710766_WTX_2026\2-APPR\WTX_GW_2026.aprx; Layout Name: FIGURE 4 (JUNE 2025)

<p>LEGEND</p> <ul style="list-style-type: none"> ● BIOVENTING WELL LOCATION ⊕ MONITORING WELL ⊗ RELEASE LOCATION ● LNAPL PRESENT → GROUNDWATER FLOW DIRECTION - - - 6" GATHERING LINE — POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED) 	<p>0.40 APPARENT LNAPL THICKNESS</p> <p>3523.93 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)</p>	<p>NOTES:</p> <ol style="list-style-type: none"> 1. BIOVENTING WELLS NOT USED FOR POTENTIOMETRIC SURFACE CONTOURS. 2. LNAPL PRESENT IN DEEP SCREENED INTERVAL. 3. ELEVATION DATA FOR MW-01 AND MW-03 WERE NOT USED DUE TO SUSPECTED ERRORS IN THE GAUGING DATA. <p>BASE MAP: ESRI "WORLD_IMAGERY_HYBRID" ONLINE SERVICE LAYER IMAGERY DATE: 4/11/2024 SOURCES: TRC, ESRI</p>	<p style="text-align: center;">N</p> <p style="text-align: center;">0 12.5 25 FEET</p> <p style="text-align: center;">1:300 1" = 25'</p>	<p>PROJECT: HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE</p> <p>TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP JUNE 2025</p> <p>DRAWN BY: A. TRANBERG PROJ. NO.: 710766.0000.0000</p> <p>CHECKED BY: P. SHIN</p> <p>APPROVED BY: S. WHIPKEY</p> <p>DATE: APRIL 2026</p> <p style="text-align: center;">FIGURE 4</p> <p>TRC 505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080</p> <p>FILE: WTX_GW_2026.APRX</p>
--	--	--	--	--

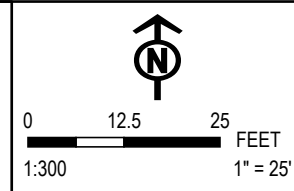



Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Ft US; Map Rotation: 0
 -- Saved By: ATRANBERG on 4/16/2026, 13:45:32 PM; File Path: T:\PROJECTS\HSH\519\1710766 - WTX_2026-2-APRX\WTX_GW_2026.aprx; Layout Name: FIGURE 5 (SEPT 2025)

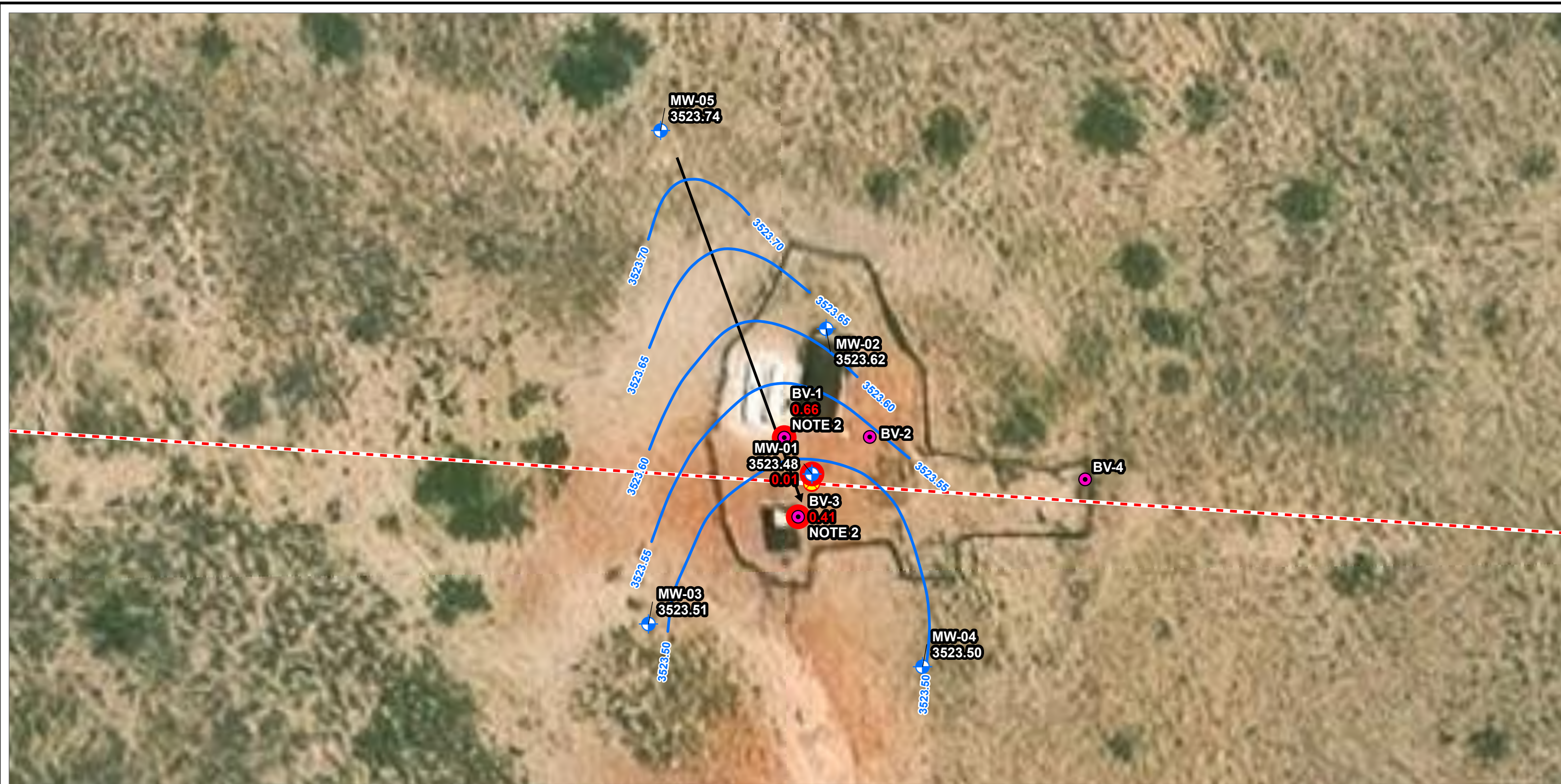
LEGEND	
	BIOVENTING WELL LOCATION
	MONITORING WELL
	RELEASE LOCATION
	LNAPL PRESENT
	GROUNDWATER FLOW DIRECTION
	6" GATHERING LINE
	POTENTIOMETRIC CONTOUR
	APPARENT LNAPL THICKNESS
	GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

NOTES:
 1. BIOVENTING WELLS NOT USED FOR POTENTIOMETRIC SURFACE CONTOURS.
 2. LNAPL PRESENT IN DEEP SCREENED INTERVAL.

BASE MAP: ESRI "WORLD_IMAGERY_HYBRID" ONLINE SERVICE LAYER
 IMAGERY DATE: 4/11/2024
 SOURCES: TRC, ESRI



PROJECT:		HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE	
TITLE:		GROUNDWATER POTENTIOMETRIC SURFACE MAP SEPTEMBER 2025	
DRAWN BY:	A. TRANBERG	PROJ. NO.:	710766.0000.0000
CHECKED BY:	P. SHIN	FIGURE 5	
APPROVED BY:	S. WHIPKEY		
DATE:	APRIL 2026	 505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	WTX_GW_2026.APRX		



Coordinate System: NAD 1983 2011 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
 -- Saved By: ATRANBERG on 3/4/2026, 10:15:59 AM; File Path: T:\1-PROJECTS\HF Sinclair\710766_WTX_2026\2-APR\WTX_GW_2026.aprx; Layout Name: FIGURE 6 (NOV 2025)

LEGEND

- BIOVENTING WELL LOCATION
- MONITORING WELL
- RELEASE LOCATION
- LNAPL PRESENT
- GROUNDWATER FLOW DIRECTION
- 6" GATHERING LINE
- POTENTIOMETRIC CONTOUR
- 0.01 APPARENT LNAPL THICKNESS
- 3523.69 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

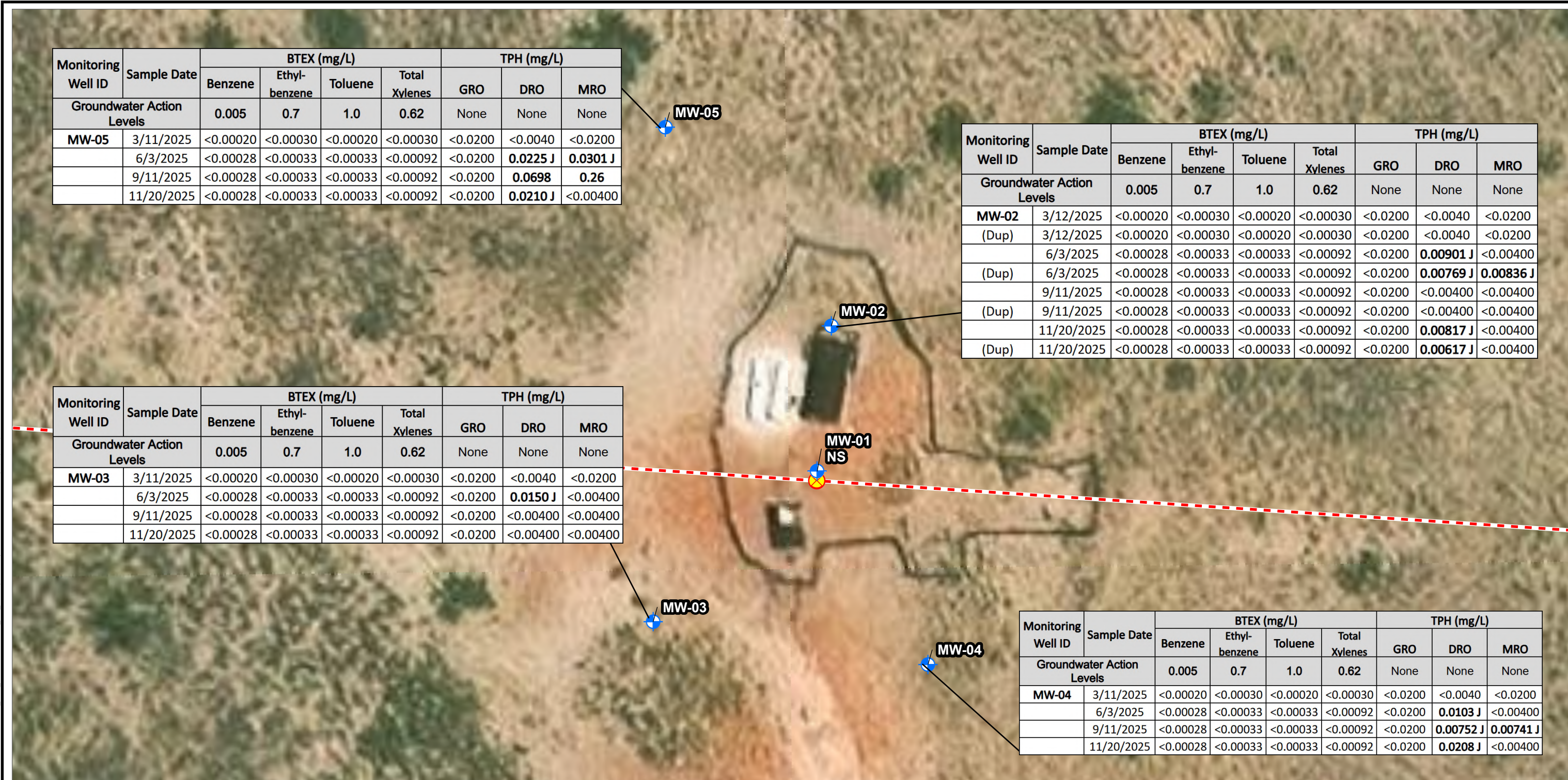
NOTES:
 1. BIOVENTING WELLS NOT USED FOR POTENTIOMETRIC SURFACE CONTOURS.
 2. LNAPL PRESENT IN DEEP SCREENED INTERVAL.

BASE MAP: ESRI "WORLD_IMAGERY_HYBRID" ONLINE SERVICE LAYER
 IMAGERY DATE: 4/11/2024
 SOURCES: TRC, ESRI

0 12.5 25 FEET

1:300 1" = 25'

PROJECT: HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE	
TITLE: GROUNDWATER POTENTIOMETRIC SURFACE MAP NOVEMBER 2025	
DRAWN BY: A. TRANBERG	PROJ. NO.: 710766.0000.0000
CHECKED BY: P. SHIN	FIGURE 6
APPROVED BY: S. WHIPKEY	
DATE: MARCH 2026	
505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	WTX_GW_2026.APRX



Monitoring Well ID	Sample Date	BTEX (mg/L)				TPH (mg/L)		
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None
MW-05	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0225 J	0.0301 J
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0698	0.26
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0210 J	<0.00400

Monitoring Well ID	Sample Date	BTEX (mg/L)				TPH (mg/L)		
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None
MW-02	3/12/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200
(Dup)	3/12/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00901 J	<0.00400
(Dup)	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00769 J	0.00836 J
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400
(Dup)	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00817 J	<0.00400
(Dup)	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00617 J	<0.00400

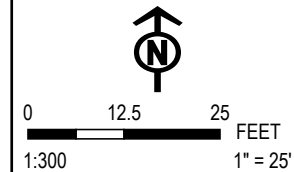
Monitoring Well ID	Sample Date	BTEX (mg/L)				TPH (mg/L)		
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None
MW-03	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0150 J	<0.00400
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	<0.00400	<0.00400

Monitoring Well ID	Sample Date	BTEX (mg/L)				TPH (mg/L)		
		Benzene	Ethyl-benzene	Toluene	Total Xylenes	GRO	DRO	MRO
Groundwater Action Levels		0.005	0.7	1.0	0.62	None	None	None
MW-04	3/11/2025	<0.00020	<0.00030	<0.00020	<0.00030	<0.0200	<0.0040	<0.0200
	6/3/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0103 J	<0.00400
	9/11/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.00752 J	0.00741 J
	11/20/2025	<0.00028	<0.00033	<0.00033	<0.00092	<0.0200	0.0208 J	<0.00400

LEGEND

- MONITORING WELL
- RELEASE LOCATION
- 6" GATHERING LINE

NOTES:
 NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) DOES NOT HAVE A GROUNDWATER ACTION LEVEL FOR TPH.
 TPH = TOTAL PETROLEUM HYDROCARBONS.
 GRO = GASOLINE RANGE ORGANICS.
 DRO = DIESEL RANGE ORGANICS.
 LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID
 MRO = MOTOR OIL RANGE ORGANICS.
 MG/L = MILLIGRAMS PER LITER.
 (DUP) = DUPLICATE SAMPLE DATA.
 NS = MW-01 NOT SAMPLED DUE TO THE PRESENCE OF MEASURABLE LNAPL IN MARCH, SEPTEMBER, AND NOVEMBER 2025.
 BTEX = BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES. DETECTED CONCENTRATIONS REPORTED IN **BOLD**.
 BASE MAP: ESRI "WORLD_IMAGERY_HYBRID" ONLINE SERVICE LAYER
 IMAGERY DATE: 4/11/2024
 SOURCES: TRC, ESRI



PROJECT: **HF SINCLAIR MIDSTREAM MONUMENT, LEA COUNTY, NEW MEXICO WTX TO EMSU BATTERY RELEASE SITE**

TITLE: **SUMMARY OF 2025 GROUNDWATER SAMPLE ANALYTICAL RESULTS**

DRAWN BY: A. TRANBERG PROJ. NO.: 710766.0000.0000

CHECKED BY: P. SHIN

APPROVED BY: S. WHIPKEY

DATE: APRIL 2026

FIGURE 7

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

FILE: WTX_GW_2026.APRX

ATTACHMENT A – COPIES OF E-MAIL CORRESPONDENCE

Stoffel, Jared

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared; Bratcher, Mike, EMNRD
Cc: Gilbert, Bryan; Sahba, Arsin M.; Melanie Nolan; Trevor.baird; mark.shemaria; Clark, Darija; Helbert, Dana; Hoover, Shannon; Varnell, Richard
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Follow Up Flag: Follow up
Flag Status: Flagged

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
 Environmental Bureau
 EMNRD - Oil Conservation Division
 811 First St. | Artesia, NM 88210
 Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, April 1, 2022 2:59 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared; Bratcher, Mike, EMNRD
Cc: Gilbert, Bryan; Sahba, Arsin M.; Melanie Nolan; Trevor.baird; mark.shemaria; Clark, Darija; Helbert, Dana; Hoover, Shannon; Varnell, Richard
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Follow Up Flag: Follow up
Flag Status: Flagged

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
 Environmental Bureau
 EMNRD - Oil Conservation Division
 811 First St. | Artesia, NM 88210
 Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, April 6, 2022 3:42 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, April 1, 2022 2:59 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Stoffel, Jared

From: Stoffel, Jared
Sent: Monday, August 1, 2022 11:29 AM
To: Nobui, Jennifer, EMNRD; Billings, Bradford, EMNRD; mike.bratcher@state.nm.us
Cc: Gilbert, Bryan; Sahba, Arsin M.; Melanie Nolan; Trevor.baird; Clark, Darija; Helbert, Dana; Hoover, Shannon; Varnell, Richard
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,
I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, April 6, 2022 3:42 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria

<mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site

(NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Stoffel, Jared
Sent: Friday, August 12, 2022 1:49 PM
To: Billings, Bradford, EMNRD; Nobui, Jennifer, EMNRD; mike.bratcher@state.nm.us
Cc: Sahba, Arsin; Trevor.baird; Melanie Nolan; Clark, Darija; Gilbert, Bryan; Hoover, Shannon; Helbert, Dana; Varnell, Richard
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Monday, August 1, 2022 10:29 AM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Sent: Thursday, April 7, 2022 8:16 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Wednesday, April 6, 2022 3:42 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, April 1, 2022 2:59 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard

<RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Stoffel, Jennifer R.

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Monday, August 15, 2022 12:20 PM
To: Stoffel, Jared
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello,

Thank you for the notification. Please keep this communication and include in allied report(s)

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 12, 2022 12:49 PM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.

- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, August 1, 2022 10:29 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, April 6, 2022 3:42 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.
ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Stoffel, Jared

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, August 17, 2022 1:59 PM
To: Stoffel, Jared; Billings, Bradford, EMNRD; Bratcher, Mike, EMNRD
Cc: Sahba, Arsin; Trevor.baird; Melanie Nolan; Clark, Darija; Gilbert, Bryan; Hoover, Shannon; Helbert, Dana; Varnell, Richard; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thank you Jared for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you encounter any delays or have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 12, 2022 12:49 PM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.

- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, August 1, 2022 10:29 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.
ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, April 6, 2022 3:42 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Gilbert, Bryan
Sent: Tuesday, August 23, 2022 5:31 PM
To: Nobui, Jennifer, EMNRD; Stoffel, Jared; Billings, Bradford, EMNRD; Bratcher, Mike, EMNRD
Cc: Sahba, Arsin; Trevor.baird; Melanie Nolan; Clark, Darija; Hoover, Shannon; Helbert, Dana; Varnell, Richard; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Good Afternoon Jennifer,

Based on the initial confirmation soil sample analytical results for the excavation performed on August 17 and 18, additional remedial excavation and sampling will be conducted at the site on Thursday, August 25.

Please let me know if you have any questions or concerns.

Thanks!

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



505 E. Huntland Drive, Suite 250, Austin, TX 78752
C: 925.699.6184 | F: 512.329.8750
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, August 17, 2022 1:59 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thank you Jared for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you encounter any delays or have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 12, 2022 12:49 PM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Monday, August 1, 2022 10:29 AM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Sent: Thursday, April 7, 2022 8:16 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana

<DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Wednesday, April 6, 2022 3:42 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan

<melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria

<mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana

<DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard

<RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Stoffel, Jared

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, August 23, 2022 5:34 PM
To: Gilbert, Bryan; Stoffel, Jared; Billings, Bradford, EMNRD; Bratcher, Mike, EMNRD
Cc: Sahba, Arsin; Trevor.baird; Melanie Nolan; Clark, Darija; Hoover, Shannon; Helbert, Dana; Varnell, Richard; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thanks Gilbert for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, August 23, 2022 4:31 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Good Afternoon Jennifer,

Based on the initial confirmation soil sample analytical results for the excavation performed on August 17 and 18, additional remedial excavation and sampling will be conducted at the site on Thursday, August 25.

Please let me know if you have any questions or concerns.

Thanks!

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



505 E. Huntland Drive, Suite 250, Austin, TX 78752

C: 925.699.6184 | F: 512.329.8750

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Sent: Wednesday, August 17, 2022 1:59 PM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thank you Jared for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you encounter any delays or have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, August 12, 2022 12:49 PM

To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, August 1, 2022 10:29 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.
ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Wednesday, April 6, 2022 3:42 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Sent: Tuesday, April 5, 2022 4:42 PM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Tuesday, December 13, 2022 12:48 PM
To: Stoffel, Jared
Cc: Billings, Bradford, EMNRD; Bratcher, Michael, EMNRD; Melanie Nolan; Gilbert, Bryan; Pearson, Christopher; Leik, Jason; Sahba, Arsin; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Jared

Your Remedial Plan for full scale implementation of the bioventing system has been approved. OCD approved it in the OCD portal on 11/28/22 with APP ID # 150523. But you can use this email as well for final approval. I will also make note of final approval of full scale bioventing system implementation in the Incident Events Notes. Please save this email and include it in the upcoming start up report. Let me know if you have any questions.

Thanks
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Tuesday, December 13, 2022 9:02 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Understood and noted. Please let me know if there are any other questions, comments, or concerns – otherwise we look forward to hearing back regarding the approval of the full-scale system through the portal. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, December 12, 2022 3:38 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thank you Jared for the response below. One quick addition for item #7

7. The proposed bioventing wells should be considered ‘remediation wells’ and thus **do not** require a C-108 or Class V injection permit approval. **No additional action is required on behalf of HEP with respect to the C-108 or Class V injection permits.**

Please note that each well needs to be named (nomenclature) and tracked individually, each wells’ data produced and operating time needs to be tracked and documented just in case EPA contacts you regarding these wells. Please make note of that correction.

Thanks,
 Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, December 12, 2022 2:15 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,
 Thank you very much for meeting with us regarding the WTX to EMSU Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report submitted October 10, 2022. A brief summary of our meeting and path forward is provided below.

1. Soil boring SB-19A results showed no BTEX detected in soil above Closure Criteria. No further action with regards to SB-19A.
2. Remedial excavation was completed in accordance with the April 1, 2022 Work Plan Addendum that was approved by the OCD on April 5, 2022. Affected soil from surface to 4.5’ bgs has been removed from the site.

3. Affected soil deeper than 4.5 feet bgs will be addressed during proposed full-scale bioventing.
4. HEP's interpretation of the bioventing pilot test results were supported by OCD as discussed during the call, including:
 - a. pressure propagation shows an effective injection ROI of up to 90 feet; and
 - b. the effective injection ROI indicated by the pressure propagation was corroborated by the soil gas results, including oxygen, VOCs, and carbon dioxide.
5. HEP's proposed full-scale bioventing system design was generally consistent with OCD's expectations as discussed during the call.
6. OCD has requested that HEP conduct weekly operations and maintenance (O&M) of the bioventing system for 1 to 2 months following installation and start-up rather than 2-3 weeks proposed by HEP. HEP will evaluate the weekly O&M data after 1 month of operation and will use this data to determine if a second month of weekly O&M is appropriate.
7. The proposed bioventing wells should be considered 'remediation wells' and thus **do not** require a C-108 or Class V injection permit approval. **No additional action is required on behalf of HEP with respect to the C-108 or Class V injection permits.**
8. OCD has requested that confirmation soil borings be proposed for OCD approval once bioventing system data indicate bioventing objectives have been achieved.

Based on our meeting, we anticipate a conditional approval of the October 12, 2022 Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report, thus an additional revision and submittal by HEP to the OCD will not be required. The primary change to the October 2022 report requested by OCD is the additional weekly system O&M following installation and startup (1-2 months rather than 2-3 weeks). HEP does not expect to receive a response or approval of the C-108/Class V permits provided in the October 12, 2022 Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report in order to enact the proposed full-scale bioventing remedy. Please let me know if I've missed or mischaracterized any of our items of discussion.

Again, thank you for taking the time to review the bioventing results and recommendations with us.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Thursday, December 1, 2022 3:44 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Jared

We are available for a discussion December 6, 2022 Tuesday at 3pm MST. Please send us an evite.

Thanks
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, December 1, 2022 2:03 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Jennifer –

Thank you for discussing the WTX to EMSU site with me yesterday. As we discussed, we have already completed the excavation, soil boring installation, and bioventing pilot test activities as approved by Chad Hensley on April 5, 2022. The most recently submitted report (submitted on October 12, 2022) documents the excavation, soil boring, and the results of the bioventing pilot test and provides recommendations for the full-scale bioventing system. I've attached the report for reference – I know there have been multiple submissions for this Site, and want to ensure that we both are referencing the same document.

In order to facilitate our additional discussion of what has occurred to date and answer any questions regarding the bioventing pilot test results, we would like to conduct a meeting with you and your team. Our team's availability (cc'd in this email) for this week and next week include:

- December 2: any time of day
- December 5: After 4 MST
- December 6: After 3 MST
- December 7: After 2:30 MST
- December 9: After 2 MST

Would any of these days and times work for you? If so, I will set up a Teams meeting at your preferred time. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, November 28, 2022 11:12 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Jared

I wanted to let you know that the Remediation Plan for the above-referenced site detailing a pilot test for bioventing has been approved with conditions. OCD has approved the proposed excavation activities and the advancement of a soil boring. In addition, OCD has approved the implementation of a pilot test for bioventing. However, please do not proceed with the full scale implementation of the bioventing system until OCD has had the opportunity to review the pilot test data to evaluate effectiveness of a full scale system. Please schedule a meeting with OCD after the pilot test has been completed so we can go over the data.

Also, at this time you are not required to submit a C-108 form or a EPA UDS Sheet. That will need to be addressed once full scale implementation is approved. Please let me know if you have any questions.

Thanks,

Jennifer Nobui, PG • Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.470-3407 | Jennifer.Nobui@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, October 13, 2022 11:24 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Gilbert, Bryan <BGilbert@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Jennifer,

I wanted to provide an update that the report documenting the pilot test and soil remediation activities along with the full-scale bioventing system recommendations has been submitted through the portal. Please let me know if you have any questions that arise during your review. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, August 23, 2022 5:34 PM
To: Gilbert, Bryan <BGilbert@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thanks Gilbert for the notification.
Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, August 23, 2022 4:31 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Good Afternoon Jennifer,

Based on the initial confirmation soil sample analytical results for the excavation performed on August 17 and 18, additional remedial excavation and sampling will be conducted at the site on Thursday, August 25.

Please let me know if you have any questions or concerns.

Thanks!

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



505 E. Huntland Drive, Suite 250, Austin, TX 78752
C: 925.699.6184 | F: 512.329.8750
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, August 17, 2022 1:59 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thank you Jared for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you encounter any delays or have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 12, 2022 12:49 PM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, August 1, 2022 10:29 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarrell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,
 I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
 Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
 F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Thursday, April 7, 2022 8:16 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarrell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.
ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,
 Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, April 6, 2022 3:42 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria

<mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Friday, April 1, 2022 2:59 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site

(NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Thursday, December 15, 2022 1:10 PM
To: Stoffel, Jared; Billings, Bradford, EMNRD; Bratcher, Michael, EMNRD
Cc: Melanie Nolan; Sahba, Arsin; Leik, Jason; Gilbert, Bryan; Clark, Darija; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Groundwater Sampling Notification (NOY1822241858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Jared

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, December 15, 2022 11:46 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: [EXTERNAL] WTX to EMSU Groundwater Sampling Notification (NOY1822241858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Jennifer –

TRC, on the behalf of HEP, will be conducting the 4th quarter groundwater sampling event at the WTX to EMSU site (NOY1822241858) on December 20, 2022. We expect the event duration to be 1 day. Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
 F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Stoffel, Jared

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Tuesday, February 21, 2023 9:37 AM
To: Stoffel, Jared; Melanie Nolan; arsin.sahba@hfsinclair.com; jason.leik@hfsinclair.com; Gilbert, Bryan; Clark, Darija
Cc: Nobui, Jennifer, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] WTX to EMSU Groundwater Sampling Notification (NOY1822241858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Correction to the incident number: **NOY1822242858**

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, February 20, 2023 2:43 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: FW: [EXTERNAL] WTX to EMSU Groundwater Sampling Notification (NOY1822241858)

fyi

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, February 20, 2023 1:42 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: [EXTERNAL] WTX to EMSU Groundwater Sampling Notification (NOY1822241858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Jennifer –

TRC, on the behalf of HEP, will be conducting the 1st quarter groundwater sampling event at the WTX to EMSU site (NOY1822241858) on February 22, 2023. We expect the event duration to be 1 day. Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
 Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
 F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: [Stoffel, Jared](#)
To: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Harimon, Jocelyn, EMNRD](#); [Buchanan, Michael, EMNRD](#)
Cc: [Leik, Jason](#); [Sahba, Arsin M.](#); [melanie.nolan](#); [Gilbert, Bryan](#); [Clark, Darija](#)
Subject: FW: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)
Date: Wednesday, November 1, 2023 12:36:00 PM
Attachments: [image001.png](#)
[image004.png](#)
[WTX to EMSU Easement Map 9.28.23.pdf](#)

All,

I wanted to follow up on my previous email regarding the delay in the installation of an electrical power drop at the site. We have continued to work to resolve the Xcel easement with the Byrd property to the east. As of now, there is still no timeline for resolution of the Byrd easement. As we approach November 16, 2023, the target date for installation and activation of the remediation system, we wanted to meet with you to discuss our progress and options moving forward. Please let us know if you have time for a meeting over the next 2 weeks.

Thank you very much.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, October 4, 2023 12:17 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Leik, Jason <Jason.Leik@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

As you are aware, HEP has experienced a delay in the installation of an electrical power drop at the site, which is required to facilitate operation of the planned bioventing remediation system. HEP does not have active power lines or facilities in the area, which is very remote. HEP has been working with Xcel Energy, the local provider, on the power drop. The nearest Xcel line for a power drop is over 0.5 mile to the east and will require that a new electrical line cross two properties to provide service to the site. Thus, Xcel must obtain easements with both property owners before construction of the electrical line can begin. The easement with the Kleins has been obtained, but Xcel is experiencing delays in the executing the easement with the Byrd property to the east of the site.

Once the easements are in place, the electrical infrastructure will be installed, but the Byrd easement is currently pending legal resolution. There is currently no timeline for resolution of the Byrd easement. For reference, a map of the intended easements from the nearest Xcel owned line to the WTX to EMSU Site and the referenced approximate property boundary is attached.

Given the electrical power drop delay, HEP is re-evaluating power options for the bioventing system. We intend to have a path forward for an alternative power source prior to the November 16, 2023, deadline if the power easement issues have not been resolved and will notify you of the path forward accordingly. If an alternative power source is selected and the property owner has provided approval, HEP will begin procurement and system installation. If the access agreement between Xcel and the Byrd estate is resolved prior to the deadline, we will notify you and move forward with installation of the power lines.

The third quarter 2023 groundwater monitoring event was conducted on September 14, 2023. Per recent voicemails left with Mr. Bratcher, 0.02 feet of apparent LNAPL was detected in well MW-1, located near the former release point. The LNAPL was confirmed with a bailer and did not recharge to the well within 5 hours of bailing. LNAPL has not previously been observed at the site to date. Groundwater levels at the site are at historical lows. It is likely that the presence of LNAPL in well MW-1 is associated with low groundwater levels and is not indicative of migrating LNAPL or a recent release (the pipeline is not active). Regardless, HEP will install a sorbent sock in well MW-1 during October 2023 to recover the accumulating LNAPL.

Please let us know if you have any questions, comments, or concerns – I am happy to facilitate a meeting to further discuss powering the system and/or the LNAPL. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Monday, August 21, 2023 9:15 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Leik, Jason <Jason.Leik@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an External email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Your request for an extension is approved to November 16, 2023. OCD realizes and appreciates this is a relatively complex project, however, the release is now five years old and OCD requests steps be taken to either move the project along or propose an alternative remediation plan. Electrical hook-ups are made daily in the oil patch and rarely interfere with production needs. The same urgency should apply to this remedial project or an alternative such as solar be considered. Please advise once power connection activities have commenced.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 18, 2023 1:27 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Leik, Jason <Jason.Leik@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

We respectfully request a 90-day extension from today for installation and activation of the bioventing system (i.e., until November 16, 2023), as we are still working with an electrical service provider to run power to the Site. We have been told that construction of the power drop will begin in late-September and will take approximately 1 week to complete. Assuming this schedule holds, we anticipate activation of the system on or before November 16th. The wells have already been installed, so we anticipate the final system installation and activation promptly following completion of the power drop. Please let me know if you approve this extension request. I am available at your

convenience if you have questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Tuesday, April 18, 2023 3:46 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Jared

Your request for a 90-day extension has been approved to July 18, 2023. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, March 27, 2023 3:18 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD

<Nelson.Velez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Ms. Nobui,

In the October 12, 2022 Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report, which you approved on November 28, 2022, the schedule states that the full-scale bioventing system will be installed and activated within 120 days of NMOCD approval of the report (i.e., by March 28, 2023). We have had delays due to landowner concurrence and access, NMOSE permitting, subcontractor availability, and electrical service. We are requesting a 90-day extension for installation and activation of the bioventing system (i.e., until June 26, 2023). We have made significant progress with the landowner, NMOSE, and drilling subcontractor, and hope to resolve the remaining issues regarding electrical service in the immediate future to allow for activation of the system by this date.

Please let me know if you approve this extension request. I am available at your convenience if you have questions or concerns. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Sent: Tuesday, December 13, 2022 12:48 PM

To: Stoffel, Jared <JStoffel@trccompanies.com>

Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Hello Jared

Your Remedial Plan for full scale implementation of the bioventing system has been approved. OCD approved it in the OCD portal on 11/28/22 with APP ID # 150523. But you can use this email as well for final approval. I will also make note of final approval of full scale bioventing system implementation in the Incident Events Notes. Please save this email and include it in the upcoming start up report. Let me know if you have any questions.

Thanks
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Tuesday, December 13, 2022 9:02 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

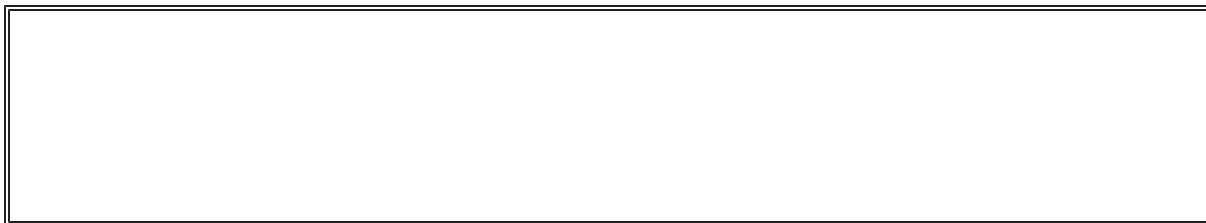
Understood and noted. Please let me know if there are any other questions, comments, or concerns – otherwise we look forward to hearing back regarding the approval of the full-scale system through the portal. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, December 12, 2022 3:38 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Thank you Jared for the response below. One quick addition for item #7

7. The proposed bioventing wells should be considered 'remediation wells' and thus **do not** require a C-108 or Class V injection permit approval. **No additional action is required on behalf of HEP with respect to the C-108 or Class V injection permits.**

Please note that each well needs to be named (nomenclature) and tracked individually, each wells' data produced and operating time needs to be tracked and documented just in case EPA contacts you regarding these wells. Please make note of that correction.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, December 12, 2022 2:15 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

Thank you very much for meeting with us regarding the WTX to EMSU Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report submitted October 10, 2022. A brief summary of our meeting and path forward is provided below.

1. Soil boring SB-19A results showed no BTEX detected in soil above Closure Criteria. No further action with regards to SB-19A.
2. Remedial excavation was completed in accordance with the April 1, 2022 Work Plan Addendum that was approved by the OCD on April 5, 2022. Affected soil from surface to 4.5' bgs has been removed from the site.
3. Affected soil deeper than 4.5 feet bgs will be addressed during proposed full-scale bioventing.
4. HEP's interpretation of the bioventing pilot test results were supported by OCD as discussed

during the call, including:

- a. pressure propagation shows an effective injection ROI of up to 90 feet; and
 - b. the effective injection ROI indicated by the pressure propagation was corroborated by the soil gas results, including oxygen, VOCs, and carbon dioxide.
5. HEP's proposed full-scale bioventing system design was generally consistent with OCD's expectations as discussed during the call.
 6. OCD has requested that HEP conduct weekly operations and maintenance (O&M) of the bioventing system for 1 to 2 months following installation and start-up rather than 2-3 weeks proposed by HEP. HEP will evaluate the weekly O&M data after 1 month of operation and will use this data to determine if a second month of weekly O&M is appropriate.
 7. The proposed bioventing wells should be considered 'remediation wells' and thus **do not** require a C-108 or Class V injection permit approval. **No additional action is required on behalf of HEP with respect to the C-108 or Class V injection permits.**
 8. OCD has requested that confirmation soil borings be proposed for OCD approval once bioventing system data indicate bioventing objectives have been achieved.

Based on our meeting, we anticipate a conditional approval of the October 12, 2022 Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report, thus an additional revision and submittal by HEP to the OCD will not be required. The primary change to the October 2022 report requested by OCD is the additional weekly system O&M following installation and startup (1-2 months rather than 2-3 weeks). HEP does not expect to receive a response or approval of the C-108/Class V permits provided in the October 12, 2022 Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report in order to enact the proposed full-scale bioventing remedy. Please let me know if I've missed or mischaracterized any of our items of discussion.

Again, thank you for taking the time to review the bioventing results and recommendations with us.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

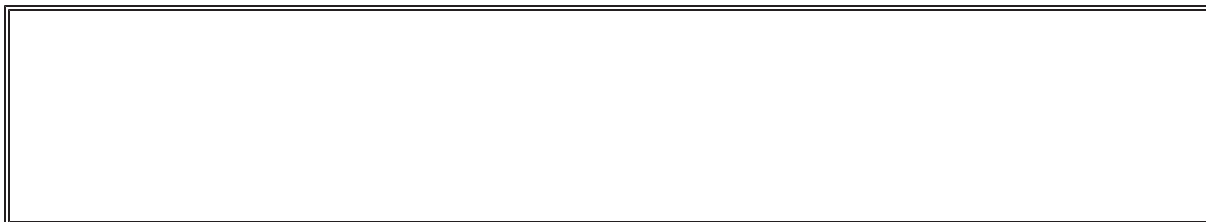
Sent: Thursday, December 1, 2022 3:44 PM

To: Stoffel, Jared <JStoffel@trccompanies.com>

Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal

Forms (NOY1822242858)



Hello Jared

We are available for a discussion December 6, 2022 Tuesday at 3pm MST. Please send us an evite.

Thanks

Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Thursday, December 1, 2022 2:03 PM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Pearson, Christopher <CPearson@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Sahba, Arsin <Arsin.Sahba@HFSinclair.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Jennifer –

Thank you for discussing the WTX to EMSU site with me yesterday. As we discussed, we have already completed the excavation, soil boring installation, and bioventing pilot test activities as approved by Chad Hensley on April 5, 2022. The most recently submitted report (submitted on October 12, 2022) documents the excavation, soil boring, and the results of the bioventing pilot test and provides recommendations for the full-scale bioventing system. I've attached the report for reference – I know there have been multiple submissions for this Site, and want to ensure that we both are referencing the same document.

In order to facilitate our additional discussion of what has occurred to date and answer any questions regarding the bioventing pilot test results, we would like to conduct a meeting with you and your team. Our team's availability (cc'd in this email) for this week and next week include:

December 2: any time of day
December 5: After 4 MST
December 6: After 3 MST
December 7: After 2:30 MST
December 9: After 2 MST

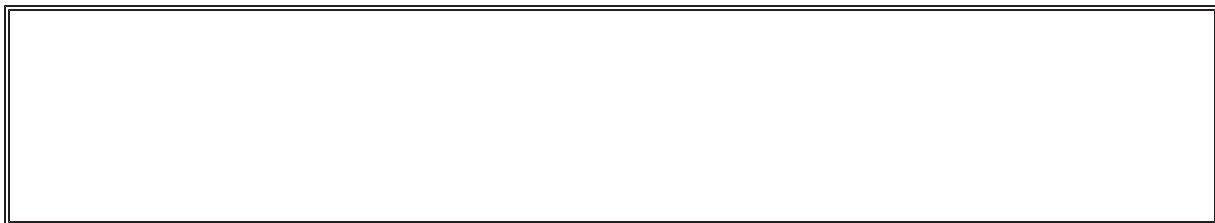
Would any of these days and times work for you? If so, I will set up a Teams meeting at your preferred time. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Sent: Monday, November 28, 2022 11:12 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Hello Jared

I wanted to let you know that the Remediation Plan for the above-referenced site detailing a pilot test for bioventing has been approved with conditions. OCD has approved the proposed excavation activities and the advancement of a soil boring. In addition, OCD has approved the implementation of a pilot test for bioventing. However, please do not proceed with the full scale implementation of the bioventing system until OCD has had the opportunity to review the pilot test data to evaluate effectiveness of a full scale system. Please schedule a meeting with OCD after the pilot test has been completed so we can go over the data.

Also, at this time you are not required to submit a C-108 form or a EPA UDS Sheet. That will need to be addressed once full scale implementation is approved. Please let me know if you have any questions.

Thanks,

Jennifer Nobui, PG • Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.470-3407 | Jennifer.Nobui@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, October 13, 2022 11:24 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Gilbert, Bryan <BGilbert@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Jennifer,

I wanted to provide an update that the report documenting the pilot test and soil remediation activities along with the full-scale bioventing system recommendations has been submitted through the portal. Please let me know if you have any questions that arise during your review. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, August 23, 2022 5:34 PM
To: Gilbert, Bryan <BGilbert@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Thanks Gilbert for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, August 23, 2022 4:31 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Good Afternoon Jennifer,

Based on the initial confirmation soil sample analytical results for the excavation performed on August 17 and 18, additional remedial excavation and sampling will be conducted at the site on Thursday, August 25.

Please let me know if you have any questions or concerns.

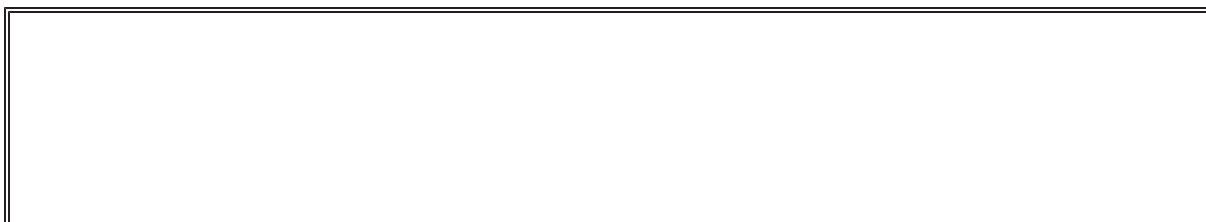
Thanks!

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



505 E. Huntland Drive, Suite 250, Austin, TX 78752
C: 925.699.6184 | F: 512.329.8750
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, August 17, 2022 1:59 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Thank you Jared for the notification.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Please let us know if you encounter any delays or have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, August 12, 2022 12:49 PM
To: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Sahba, Arsin <Arsin.Sahba@HFSinclair.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to follow up on our notification of the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities with an updated timeline. Field activities were projected to be completed by August 12. An updated timeline is provided below.

- Bioventing Pilot Test - Field activities began on August 3, 2022, but the pilot test did not commence until August 9 (Day 1) due to equipment issues and troubleshooting. The pilot test is anticipated to be complete on August 15 (Day 7).
- Soil Boring – Drilling was originally scheduled for August 8. Due to a change in drill rig availability (the drill rig scheduled for the work was not operational), drilling is now scheduled for August 15.
- Quarterly Groundwater Monitoring – Due to the revised bioventing pilot test schedule (the monitoring wells cannot be gauged and sampled during the pilot test), quarterly groundwater monitoring activities are scheduled to begin August 16. This is a slight deviation from the schedule presented in the April 2022 Remediation Work Plan Addendum, which indicated quarterly groundwater monitoring would commence within 90 days of NMOCD approval of the Work Plan (i.e., August 13). Groundwater monitoring activities are expected to take 1 – 2 days.
- Remedial Excavation and Sampling – Due to the revised bioventing pilot test and quarterly groundwater monitoring schedules, remedial excavation and sampling activities are scheduled for August 17 to 19.

Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Thursday, August 4, 2022 11:48 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Hi,

Thank you for notification. Please keep this communication and include in allied report(s).

Bradford Billings
EMNRD/OCD

From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Monday, August 1, 2022 10:29 AM

To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

All,

I would like to submit a notification that the pilot test, soil boring activities, remedial excavation activities, and quarterly groundwater sampling activities are all scheduled to begin this week on August 3, 2022. The activities are projected to be completed within 2 weeks. This email is intended to notify you of both the remedial and monitoring activities occurring onsite and the collection of final samples from the remedial excavation during this time period in accordance with NMAC 19.15.29.12 D(1)(a). Please let me know if there are any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

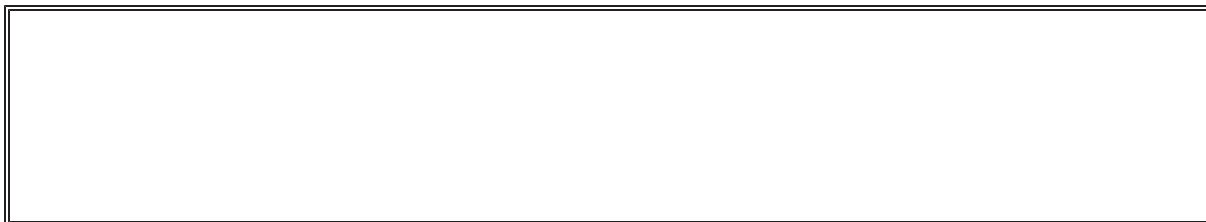
Sent: Thursday, April 7, 2022 8:16 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>

Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Jared,

Good morning. The approval is for UIC and the remediation.

Cheers,

Chad Hensley • Environmental Science & Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210

Office: 575.748.1283 | Cell: 575-703-1723

chad.hensley@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Wednesday, April 6, 2022 3:42 PM

To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>

Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

Chad,

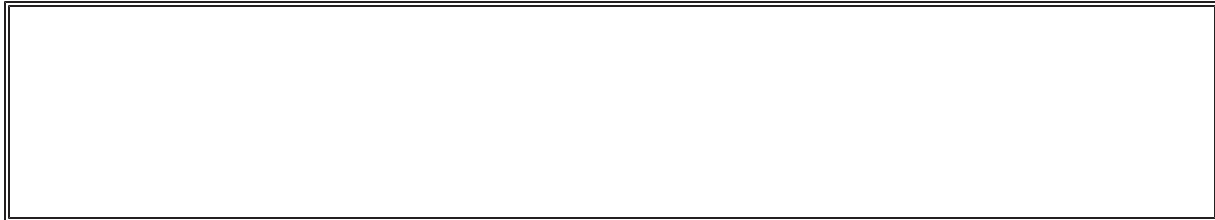
We would like to clarify if this also includes the approval of the injection permits, or if that come separately from the Underground Injection group? Pending approval of the injection permits, as needed, we will proceed with field work following the completion of calving season as requested by the landowner. We will notify you when calving season has completed and the landowner has given us permission to access the property. Thank you very much for the approval to proceed and the additional clarification with regards to the injection permitting process.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>
Sent: Tuesday, April 5, 2022 4:42 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)



Jared,

The OCD approves this workplan. Please proceed with the project.

Cheers,

Chad Hensley • Environmental Science & Specialist
Environmental Bureau
EMNRD - Oil Conservation Division

811 First St. | Artesia, NM 88210
Office: 575.748.1283 | Cell: 575-703-1723
chad.hensley@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, April 1, 2022 2:59 PM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Clark, Darija <dclark@trccompanies.com>; Helbert, Dana <DHelbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Varnell, Richard <RVarnell@trccompanies.com>
Subject: [EXTERNAL] WTX to EMSU Remediation Plan Addendum, C-108, and Associated Federal Forms (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Hensley and Mr. Bratcher,

Please see the attached addendum to the NMOCD-approved November 12, 2021, *Site Characterization Report and Remediation Workplan* for the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). Included in the appendices are the requested C-108 form and associated federal underground injection form. Please let us know if you require any additional information. Otherwise we will stand by for NMOCD's approval of the Remediation Workplan Addendum and the authorization to inject.

Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: [Hamlet, Robert, EMNRD](#)
To: [Stoffel, Jared](#)
Cc: [Gilbert, Bryan](#); [Clark, Darija](#); [Leik, Jason](#); [Melanie Nolan](#); [Bratcher, Michael, EMNRD](#); [Buchanan, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: [EXTERNAL] WTX to EMSU 90-Day Extension Request - (NOY1822242858)
Date: Monday, November 20, 2023 10:14:47 AM
Attachments: [image003.png](#)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

RE: Incident #**NOY1822242858**

Jared,

Your request for an extension to **February 14, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Stoffel, Jared <JStoffel@trccompanies.com>

Sent: Thursday, November 16, 2023 12:29 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Subject: [EXTERNAL] WTX to EMSU 90-Day Extension Request - (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mike-

Thank you for talking with me yesterday afternoon regarding our power issues out at the WTX to EMSU Site. I have attached the summary email I sent in early November 2023 for reference.

Since early November 2023, HEP has determined that the Xcel Energy easement from the east

across the Byrd property is unlikely to be resolved in a timely manner and we are pursuing other options. The energy provider, Xcel Energy, has identified a second line approximately twice as far away to the south, which may be an alternate route for the Xcel Energy easement and electrical power drop to the Site. HEP is working with Xcel to determine if this is a feasible option (it does appear that it may be at least partially on State Trust Lands, which slows the easement process) to provide electrical power to the Site by the end of the first quarter of 2024. If by mid-December 2023, Xcel and HEP have not established a definitive timeline for electrical power to the Site, HEP will approach the Site landowner (Kleins) about alternative methods of power – previously, the Kleins were not enthusiastic about a large footprint for remediation infrastructure and didn't like the idea of a propane tank on their property. We will inform NMOCD of the intended path forward during December 2023. HEP is committed to driving the remediation forward and have targeted system startup during the first quarter of 2024.

HEP respectfully requests a 90-day extension to February 14, 2023. We will continue to update you as we progress through the Xcel Energy electrical power drop or alternative power method. Thank you very much.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

From: [Hamlet, Robert, EMNRD](#)
 To: [Gilbert, Bryan](#)
 Cc: [Clark, Darija](#); [Stoffel, Jared](#); [Leik, Jason](#); [Melanie Nolan](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
 Subject: [EXTERNAL] WTX to EMSU (NOY1822242858) - Bioventing System Update
 Date: Thursday, February 15, 2024 11:25:53 AM
 Attachments: [image003.png](#)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Gilbert,

Please include Nelson Velez on any Lea County incidents. He will be the reviewer for this particular incident. Regards

Robert Hamlet • Environmental Specialist - Advanced
 Environmental Bureau
 EMNRD - Oil Conservation Division
 506 W. Texas Ave. | Artesia, NM 88210
 575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Wednesday, February 14, 2024 5:36 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Leik, Jason <Jason.Leik@HollyEnergy.com>; Melanie Nolan <Melanie.Nolan@hollyenergy.com>
Subject: [EXTERNAL] WTX to EMSU (NOY1822242858) - Bioventing System Update

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

RE: Incident **#NOY1822242858**

All,

We wanted to provide an update on the status of the bioventing system at the WTX to EMSU site. Xcel Energy was unable to procure an easement for an alternate route for a power drop for the proposed bioventing system. With the intention of complying with NMOCD's August 21, 2023, request that an alternative system power source be considered and per HEP's November 16, 2023,

extension request, HEP has switched to a propane-powered system design. The overall operation and capability of the bioventing system will remain consistent with that proposed in the NMOCD-approved October 2022 *Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendation Report* – only the power source for the compressor has changed. HEP has begun procuring the system equipment. Notably, several system components have been installed at the site, including the bioventing wells, propane tank pads, system shed, and additional system fencing. The air compressor has been ordered but has the longest lead time, now estimated by the manufacturer for delivery to the site in mid-April 2024. Upon delivery of the air compressor, the system is anticipated to be operational by the end of the following week.

We will continue to update you through the system installation process. In the meantime, please let us know if you have any questions.

Thank you,

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



505 E. Huntland Drive, Suite 250, Austin, TX 78752

C: 925.699.6184 | F: 512.329.8750

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Clark, Darija

Subject: Notification of LNAPL on Groundwater at NOY1822242858 (WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release)

From: Stoffel, Jared

Sent: Monday, March 11, 2024 10:07 AM

To: Michael.Buchanan@emnrd.nm.gov

Cc: Michael.Buchanan@emnrd.nm.gov; Gilbert, Bryan <BGilbert@trccompanies.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; melanie.nolan <melanie.nolan@hollyenergy.com>

Subject: Notification of LNAPL on Groundwater at NOY1822242858 (WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release)

Mr. Buchannon,

During quarterly groundwater monitoring activities in association with an active remediation Site – WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release (NOY1822242858), the remediation wells for the bioventing system were gauged as part of the system installation process. During this gauging, approximately 1 foot of LNAPL was discovered on the groundwater surface of this well. We are trying to confirm the provenance of the LNAPL, but wanted to ensure we provided the NMOCD notification of the discovery. I discussed via phone call with Nelson Velez, who is in charge of our incident, on March 8, 2024 and he indicated that I should also notify you via email, and the next business day (Monday) was acceptable. Please let me know what additional information beyond this notification you may need. I am available at your convenience to discuss via phone at the cell listed below as needed. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752

F: 512 329 8750 | C: 432 238 3003

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Clark, Darija

Subject: Notification of LNAPL on Groundwater at NOY1822242858 (WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release)
Attachments: 8_497744_8_Full Scale Map_Final to NMOCD.pdf

From: Stoffel, Jared
Sent: Monday, March 18, 2024 2:10 PM
To: Michael.Buchanan@emnrd.nm.gov
Cc: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: FW: Notification of LNAPL on Groundwater at NOY1822242858 (WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release)

Michael,

In a follow-up discussion with Nelson, he indicated that you would like additional information regarding the LNAPL observed at the WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release Site (NOY1822242858). The water table is present beneath the site at depths of 37 to 39 feet below ground surface and the hydraulic gradient is to the south-southeast. On March 8, 2024, 1.00 feet of LNAPL was measured in the deep interval of nested bioventing well BV-3 (i.e., BV-3D; the other nested intervals for well BV-3 do not intersect the water table). This is the first time LNAPL has been measured in bioventing well BV-3D, which was installed in May of 2023. Additionally, 0.01 feet of LNAPL was measured in monitoring well MW-1 on March 8, 2024. LNAPL (0.01 feet) was first measured in monitoring well MW-1 on September 14, 2023 and MW-1 continued to exhibit 0.01 feet of LNAPL during the December 2023 event. LNAPL was not detected in MW-02, MW-03, MW-04, MW-05, BV-1D and BV-2D during any monitoring event, including the March 2024 event. Attached is a figure that shows the locations of the monitoring and bioventing wells at the site.

We are continuing to evaluate a path forward, but wanted to ensure we were responsive to the requests for information in correspondence with Nelson.

Please let me know if there is any additional information that is needed at this time – I am available at your convenience to discuss. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Clark, Darija

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 336869

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, June 11, 2024 2:08 PM

To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 336869

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Melanie Nolan for HOLLY ENERGY PARTNERS - OPERATING, LP),

The OCD has approved the submitted *Ground Water Abatement* (GROUND WATER ABATEMENT), for incident ID (n#) nOY1822242858, with the following conditions:

- **Review of the 2023 Annual Groundwater Monitoring Report for WTX to EMSU Battery to Byrd Pump Segment: Content Satisfactory 1. Continue to conduct groundwater monitoring at the site for all wells on a quarterly basis, as well as gauging LNAPL. 2. Propose an abatement plan to OCD if LNAPL is persistent in wells, as absorbent socks are not considered an abatement method. 3. Submit the 2024 Groundwater Monitoring report with recommendations to OCD for an abatement path forward by May 1, 2025.**

The signed GROUND WATER ABATEMENT can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Michael Buchanan
Environmental Specialist
505-490-0798
Michael.Buchanan@emnrd.nm.gov

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

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Clark, Darija

Subject: FW: WTX to EMSU (NOY182224858) Bioventing System Update

From: Stoffel, Jared

Sent: Thursday, June 20, 2024 3:01 PM

To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>

Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Leik, Jason <Jason.Leik@HFSinclair.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: WTX to EMSU (NOY182224858) Bioventing System Update

All,

At the WTX to EMSU Site (NOY182224858), the full-scale bioventing system proposed in the October 12, 2022, *Remediation and Bioventing Pilot Test Summary and Full-Scale Bioventing System Recommendations Report* (Report) and approved by NMOCD on November 28, 2022, has been installed and activated and the first operations and maintenance (O&M) event has been conducted. In accordance with the October 2022 Report and December 12, 2022, e-mail to NMOCD, O&M will be conducted on a weekly basis for the first one to two months. HEP will evaluate the weekly O&M data after one month of operation and will use this data to determine if a second month of weekly O&M is appropriate. Thereafter, O&M events will then be conducted at least monthly. Installation of the bioventing system and O&M events conducted in 2024 will be documented in an annual report to be submitted to NMOCD within 120 days of the end of the calendar year as outlined in the October 2022 Report. Please let me know if you have any questions or concerns. Thank you.

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Clark, Darija

Subject: WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release (NOY1822242858)
Attachments: 8_497744_8_Full Scale Map_Final to NMOCD.pdf

From: Stoffel, Jared
Sent: Monday, November 4, 2024 5:50 PM
To: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Richardson, Paul <Paul.Richardson@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>
Subject: WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release (NOY1822242858)

Michael,

Thank you very much for giving me a call back on our project last week.

The site we were discussing is called WTX to EMSU Battery to Byrd Pump Segment Crude Oil Release (NOY1822242858). I'll just call it WTX to EMSU going forward for brevity. HEP is currently enacting an NMOCD approved workplan with bioventing as the remedy for elevated hydrocarbon concentrations in the soils. When the workplan was approved (November 28, 2022) there was no LNAPL present onsite, and the groundwater was being monitored only on a precautionary measure while the soil remedy was enacted.

However, a small amount of LNAPL was detected in MW-1 before the bioventing system was installed (we had a substantial delay due to power access to the remote site). On March 8, 2024, approximately one (1) foot of LNAPL was detected in one of the deep bioventing wells (BV-3D). We started abatement activities at this time utilizing biweekly hand bailing LNAPL removal, but continued to proceed with bioventing system installation consistent with the approved workplan. The bioventing system was started on May 30, 2024.

During the most recent abatement event last week, LNAPL was detected in BV-1D, which marks the third well with LNAPL present onsite. Since the site conceptual model has changed with multiple wells containing LNAPL, HEP is re-evaluating the site to determine the most appropriate remedy based on the current site data. This re-evaluation will be focused more on LNAPL abatement. Due to mechanical issues, the propane powered bioventing system is currently down and will likely remain down until the site re-evaluation and abatement plan is completed. Per your portal response to the 2023 Annual Groundwater Monitoring Report, the abatement plan is due May 1, 2025. In the interim, HEP will continue to manually abate the LNAPL in the wells with LNAPL present (currently MW-1, BV-1D, and BV-3D) on a biweekly schedule and will be adding a belt skimmer pump into well BV-3D by the end of 2024 to boost abatement efforts and provide additional data for the abatement plan.

Please let us know if you concur with HEP's interim approach. I've attached the general site map with well locations for your reference. We are available at your convenience to discuss in more detail. Thank you very much!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[Linkedln](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com

Shin, Patrick

Subject: FW: [EXTERNAL] Re: WTX to EMSU Site Current Status Summary and Regulator Contact Information

From: George Klein <george.l.klein@gmail.com>

Sent: Tuesday, February 11, 2025 2:20 PM

To: Stoffel, Jared <JStoffel@trccompanies.com>; Michael.Buchanan@emnrd.nm.gov <Michael.Buchanan@emnrd.nm.gov>

Cc: Richardson, Paul <Paul.Richardson@HFSinclair.com>; Jason Leik <Jason.Leik@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>

Subject: [EXTERNAL] Re: WTX to EMSU Site Current Status Summary and Regulator Contact Information

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Michael,

Thank you for the helpful conversation this morning. As promised, I am forwarding Jared Stoffel's email to me containing details about the Holly Energy remediation on L & K Ranch's property.

This oil leak was discovered in 2018, and it soon became apparent that the leak was substantial and had been discharging oil into the soil for many years before it was discovered. Subsequently, discussions about the best treatment plan have grappled with the problem without success. Further, I was told that the mandated monitoring wells at the site initially did not reveal contamination with oil. However, oil has now been discovered in two of the monitoring wells at the site. This suggests that the oil which saturated the soil above the water table has begun to seep into the water table and will continue indefinitely unless the contaminated soil is completely removed.

Now that oil has infiltrated the water table, the seriousness of this contamination has escalated significantly and calls for the timely removal of all oil saturated soil on this site and replacement with soil which matches the immediate environment. Anything short of complete removal of polluted soil guarantees that the oil will continue to contaminate the water table which is very shallow in the area and spread to a much broader area.

On a related note, L & K Ranch only has one livestock watering in the pasture in which the Holly Energy oil leak occurred. Holly Energy declined to test the ranch watering for petroleum contaminants. While I cannot substantiate their claim, Holly Energy stated that the subterranean water in the area of the leak flows in a southerly direction, the opposite direction from the ranch's watering. Accordingly, I have informed Jim Cooper, owner of Cooper Ranch, that contaminated water may be moving toward his property which is just south of the Holly Energy leak.

Thank you for your efforts to address critical remediation efforts state wide, including the problem on our ranch. I also want to express thanks to Jared Stoffel for his excellent communication with the ranch and efforts to restore this contaminated site.

Sincerely,
George L. Klein

On Jan 10, 2025, at 8:58 AM, Stoffel, Jared <JStoffel@trccompanies.com> wrote:

George,

Thank you for the phone call yesterday morning. As discussed:

- The soil remedy of bioventing is currently on hold while we determine next steps. Air is not being actively injected into the soil at this time.
- There are currently 3 wells very close to one another (MW-1, BV-3D, and BV-1D) that have oil on the surface of the groundwater.
 - A skimmer is installed in well BV-3D, which has the most oil (by thickness). The skimmer is currently inspected and maintained every other week.
 - We are currently manually removing oil from wells MW-1 and BV-1D every other week.
- An Abatement Plan (plan for remediating groundwater) is due to the NMOCD on or before May 1, 2025. We are currently determining the appropriate path forward to address affected soil and oil, which will be recommended in the Abatement Plan for NMOCD approval.
- The project has had numerous NMOCD regulators overseeing it – my understanding is the most recent is Michael Buchanan. Here is his signature line from his email:
 - Michael Buchanan
Environmental Specialist
505-490-0798
Michael.Buchanan@emnrd.nm.gov
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505
- For your reference, the NMOCD site name is “WTX to EMSU Battery to Byrd Pump Segment” and the site reference number is nOY1822242858.\
- Finally, the table below summarizes the cumulative oil removal efforts through December 17, 2024:

Ward	Site	Ward - Worksheet ID	Area Subid	Reported CCL/MS	Amount of CCL/MS	Estimated Cost/MS	Amount of Abatement	Estimated Cost/Abatement
01	01							
01	02							
01	03							
01	04							
01	05							
01	06							
01	07							
01	08							
01	09							
01	10							
01	11							
01	12							
01	13							
01	14							
01	15							
01	16							
01	17							
01	18							
01	19							
01	20							
01	21							
01	22							
01	23							
01	24							
01	25							
01	26							
01	27							
01	28							
01	29							
01	30							
01	31							
01	32							
01	33							
01	34							
01	35							
01	36							
01	37							
01	38							
01	39							
01	40							
01	41							
01	42							
01	43							
01	44							
01	45							
01	46							
01	47							
01	48							
01	49							
01	50							
01	51							
01	52							
01	53							
01	54							
01	55							
01	56							
01	57							
01	58							
01	59							
01	60							
01	61							
01	62							
01	63							
01	64							
01	65							
01	66							
01	67							
01	68							
01	69							
01	70							
01	71							
01	72							
01	73							
01	74							
01	75							
01	76							
01	77							
01	78							
01	79							
01	80							
01	81							
01	82							
01	83							
01	84							
01	85							
01	86							
01	87							
01	88							
01	89							
01	90							
01	91							
01	92							
01	93							
01	94							
01	95							
01	96							
01	97							
01	98							
01	99							
01	100							

Please let me know if you have any questions or want to discuss anything else in more detail. Otherwise, once we determine our recommended remedial option, we would be prepared to meet with you to discuss the path forward and allow you an opportunity to discuss prior to submission of the Abatement Plan to the NMOCD.

Thanks and have a great morning!

Jared Stoffel, P.G.
Project Manager



505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | C: 432 238 3003
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

Shin, Patrick

Subject: FW: [EXTERNAL] FW: Holly Energy WTX to EMSU Battery to Byrd Pump SE nOY1822242858

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>

Sent: Tuesday, April 1, 2025 11:34 AM

To: Gilbert, Bryan <BGilbert@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>

Subject: [EXTERNAL] FW: Holly Energy WTX to EMSU Battery to Byrd Pump SE nOY1822242858

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Sent: Tuesday, April 1, 2025 11:15 AM

To: Richardson, Paul <Paul.Richardson@HFSinclair.com>

Subject: [EXTERNAL Email]: Holly Energy WTX to EMSU Battery to Byrd Pump SE nOY1822242858

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Paul,

Please provide a timeline for what has been performed at the above site along with where it is at now and what the plans are going forward. This release was discovered 8/10/2018 so it is over six years old in an area where DTGW is less than 50'. It looks like a Bioventing Pilot Test was approved in 2022 and from what I can tell was successful but a year later HEP indicates that Xcel Energy can't get electricity to the site. Based on data received, groundwater has been confirmed to be impacted.

Please advise at your earliest convenience.

Mike Bratcher

Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 |
mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Shin, Patrick

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Monday, June 2, 2025 12:24 PM
To: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>; Burdine, Jaclyn, EMNRD <jackie.burdine@emnrd.nm.gov>
Subject: [EXTERNAL Email]: Stage I Abatement Incident ID # NOY1822242858

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning Mr. Richardson,

OCD recently received a Stage I Abatement Plan for the WTX to EMSU Battery to Byrd Segment Gathering Line, App ID: 457607, Incident ID # NOY1822242858. During the review of the plan, it was noted that there is not a public notice included in the attachments. As a reminder, per [19.15.30.15](#) NMAC public notice is required.

19.15.30.15 PUBLIC NOTICE AND PARTICIPATION:

A. Prior to public notice, the applicant shall give written notice, as approved by the division, of stage 1 and stage 2 abatement plans to the following persons:

- (1) surface owners of record within one mile of the perimeter of the geographic area where the standards and requirements set forth in [19.15.30.9](#) NMAC are exceeded;
- (2) the county commission where the geographic area where the standards and requirements set forth in [19.15.30.9](#) NMAC are exceeded is located;
- (3) the appropriate city officials if the geographic area where the standards and requirements set forth in [19.15.30.9](#) NMAC are exceeded is located or is partially located within city limits or within one mile of the city limits;
- (4) those persons, the director identifies, who have requested notification, who shall be notified by mail;

(5) the New Mexico trustee for natural resources, and other local, state or federal governmental agencies affected, as the director identifies, which shall be notified by certified mail;

(6) the governor or president of a tribe, pueblo or nation if the geographic area where the standards and requirements set forth in [19.15.30.9](#) NMAC are exceeded is located or is partially located within tribal boundaries or within one mile of the tribal boundaries, who shall be notified by certified mail;

(7) the director may extend the distance requirements for notice if the director determines the proposed abatement plan has the potential to adversely impact public health or the environment at a distance greater than one mile. The director may require additional notice as needed. The applicant shall furnish a copy and proof of the notice to the division.

In the event a public notice was issued and accidentally omitted from the submitted plan, please amend the submitted report to include the public notice and resubmit. Please be sure to include all documentation including a list of the individuals/organizations required to be notified, certified mail receipts, and published and posted notifications. As a reminder, public notification will also be required for the State 2 Abatement Plan.

If you have any questions, please feel free to contact me.

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Shin, Patrick

Subject: FW: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Tuesday, July 1, 2025 9:37 AM

To: Stoffel, Jared <JStoffel@trccompanies.com>

Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>

Subject: RE: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good Morning Jared,

We are still in the process of reviewing standardized language. However, we believe we have a temporary solution.

Please use the following language, **“The X Abatement Plan was determined to be administratively complete by the OCD on X Date. The determination is based on the plan meeting all the required components of 19.15.30.X NMAC .”**

I conducted an administrative review today, 7/1/2025, of the submitted WTX to EMSU Battery to Byrd Pump Segment Gathering Line Stage 1 Abatement Plan and have determined that the report is administratively complete.

When you have completed the public notification, please email me a copy of the documentation. I will manually upload the documentation to submitted Abatement Plan for final review.

Let me know if you have any questions.

Thanks,
Ashley

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, June 25, 2025 2:05 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>
Subject: RE: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

Ashley – thank you for the return call this afternoon. As discussed, we will update the letter to include the appropriate address. However, our understanding was that 19.15.30.15B(4), as one of the listed items that reference a ‘director’ response (a brief description of the procedures the director followed in making a final determination), was to be provided by the NMOCD in their advance approval of the notice referenced in the final sentence of 19.15.30.15B. Please let us know how you would like to address this going forward. Thank you very much!

Jared E. Stoffel, P.G. 505 E. Huntland Dr., STE 250
Senior Project Manager Austin, TX 78752



m 432.238.3003
w 512.329.6080

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Wednesday, June 25, 2025 12:32 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>
Subject: RE: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hi Jared,

I apologize for the delayed response. Please update the letter to include the Responsible party with their address and include a response to 19.15.30.15B(4).

Thanks,
Ashley

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Monday, June 23, 2025 1:55 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>
Subject: RE: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

Ashley,

Please see the attached draft notices. They both say the same thing, except for the last sentence of the first paragraph - one is referencing the initial written notice and the other references the newspaper publication. The initial notice will be sent to the approved list in the chain below. The nearest publication is the Hobbs News-Sun, which is where we propose submitting the newspaper publication to. With your approval we'll finalize the notifications and send out. We will provide documentation of the submissions once completed. Please let us know if you have any questions or comments. We are available at your convenience to discuss if needed – otherwise please let us know if we are approved for submittal. Thank you.

Jared E. Stoffel, P.G.
Senior Project Manager

505 E. Huntland Dr., STE 250
Austin, TX 78752



m 432.238.3003
w 512.329.6080

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Monday, June 16, 2025 7:57 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>
Subject: RE: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

This is an External email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Thanks Jared. Please include a copy of the email in the subsequent report that will be submitted to OCD.

Ashley Maxwell • Environmental Specialist
 Environmental Bureau Projects Group
 EMNRD - Oil Conservation Division
 1000 Rio Brazos Road | Aztec, NM 87110
 505.635.5000 | Ashley.Maxwell@emnrn.dnm.gov
<http://www.emnrn.dnm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrn.dnm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrn.dnm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrn.dnm.gov/ocd/ocd-forms/>.

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, June 13, 2025 1:18 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrn.dnm.gov>
Cc: McCarty, Madeline <MWalther@trccompanies.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>
Subject: [EXTERNAL] 19.15.30.15.a – Pre-Public Notice Written Notifications - WTX to EMSU (NOY1822242858)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Ashley,

Thank you for discussing this with me earlier this week. Below is the list of written notifications that we intend to provide. We will provide evidence that these have been mailed via email once completed instead of re-submitting the Stage 1 report. If the list looks good to you then we will go ahead and proceed with the written notifications. We’ve bolded any of the notifications that appear to be driven by additional director requirements.

19.15.30.15.a – Pre-Public Notice Written Notifications

The applicant must notify in writing (with prior approval from the division) the following parties:

- Surface owners within 1 mile of the affected area.
 - L&K Ranch, LLC – P.O. Box 1503 Hobbs, NM 88241
 - Charlcie F Etal Byrd – P.O. Box 40 Monument, NM 88265
 - J Cooper Land LLC – P.O. Box 36 Monument, NM 88265
 - Jimmie T. Cooper – P.O. Box 36 Monument, NM 88265
- The county commission where the affected area is located.
 - Lea County Board of County Commissioners – Lea County Courthouse – 100 North Main Avenue, 2nd Floor Lovington, NM 88260
- The appropriate city officials if within or near city limits (within 1 mile).
 - No city with officials are within 1 mile of the Site.
- Persons who have requested notification (**as identified by the director**).
 - Please let us know if there are any additional notifications required based on your records.
- The New Mexico trustee for natural resources and other governmental agencies (local, state, federal) **as identified by the director**—by certified mail.
 - Please let us know if there are any additional agencies that require notification based on your records.

- The tribal governor/president if the area is within or near tribal boundaries (within 1 mile)—by certified mail.
 - No tribal lands are within 1 mile of the Site.
- **The director may require wider notifications if public health or the environment could be impacted beyond one mile.**
 - Please let us know if you have any additional radius requirement.

Thanks again and have a great weekend!

Jared E. Stoffel, P.G.
Senior Project Manager

505 E. Huntland Dr., STE 250
Austin, TX 78752



m 432.238.3003
w 512.329.6080

Shin, Patrick

To: Hoover, Shannon
Subject: RE: [EXTERNAL] WTX to EMSU (nOY1822242858)

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Wednesday, October 8, 2025 4:20 PM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: Clark, Darija <dclark@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <melanie.nolan@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>
Subject: RE: [EXTERNAL] WTX to EMSU (nOY1822242858)

Good Afternoon Ashley,

I wanted to check in on the status of NMOCD's review of the Stage 1 Abatement Plan Investigation Report. I am also available to discuss on the phone should that be easier – my contact information is below.

Thanks,

Bryan Gilbert, PG

Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin TX 78752
C 925.699.6184 | bgilbert@trccompanies.com
[LinkedIn](#) | [Instagram](#) | TRCcompanies.com

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Thursday, August 21, 2025 11:41 AM
To: Stoffel, Jared <JStoffel@trccompanies.com>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <melanie.nolan@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>; Mike Holder <michael.holder@HFSinclair.com>
Subject: RE: [EXTERNAL] WTX to EMSU (nOY1822242858) Incorrect OGrid Number - Request for Change

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Jared,

Thanks for the update. I did update the incident to reflect the operator on file as [282505] HOLLY ENERGY PARTNERS - OPERATING, LP. Please resubmit the report.

As a side note, incident nOY1822242858 is tied to **Holly** Energy WTX to EMSU battery [fOY1822242653]. The facility is registered under [296080] HOLLY ENERGY PARTNERS, LP. It appears that Holly has multiple OGRIDs. As OCD is trying to update records, Holly/HF Sinclair may want to review facilities and incidents to update things to the current OGRD.

Let me know if I can assist you in any way.

Thanks,
Ashley

Ashley Maxwell • Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, August 21, 2025 9:56 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <melanie.nolan@hfsinclair.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>; Mike Holder <michael.holder@HFSinclair.com>
Subject: [EXTERNAL] WTX to EMSU (nOY1822242858) Incorrect OGrid Number - Request for Change

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Ashley,

We received the rejection of Application ID 457607 based on the OGrid number of the submittal. Both Holly Energy Partners - Operating, LP and HollyFrontier Refining & Marketing LLC are owned by HF Sinclair. In review of the original C-141 (attached), the responsible party is listed as Holly Energy Partners. Can we please change the OGrid associated with this project to 282505 to match the responsible party listed on the C-141? Once we get that corrected, should we still re-submit the report since the OGrid that we submitted under and the responsible party will match at that point? Please let us know if there is anything else you need from us to facilitate that change - thank you very much!

Jared E. Stoffel, P.G.
Senior Project Manager
505 E. Huntland Drive
Austin, TX Zip
m 432.238.3003
w 512.329.6080



Shin, Patrick

Subject: FW: [EXTERNAL] FW: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE
Attachments: Holly Energy Stage I Letter.pdf

From: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>
Sent: Thursday, December 18, 2025 2:47 PM
To: Gilbert, Bryan <BGilbert@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Richardson, Paul <paul.richardson@hfsinclair.com>
Subject: [EXTERNAL] FW: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Thursday, December 18, 2025 1:31 PM
To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Curl, Charles <Charles.Curl@HFSinclair.com>
Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL Email]: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

Please see the attached letter for the nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE.

The OCD has reviewed and approved the submitted Stage 1 Abatement Plan with the following conditions:

- All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.
- Approved Stage 1 Abatement Activities will be conducted and submitted as a report by February 6, 2026. In the event that the release site was not fully delineated, the report must also include the location of proposed additional delineation monitor wells and a schedule for additional delineation.

If you have any questions, please feel free to contact me.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Shin, Patrick

Subject: FW: [EXTERNAL] FW: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

From: Gilbert, Bryan <BGilbert@trccompanies.com>

Sent: Tuesday, December 23, 2025 10:06 AM

To: Maxwell, Ashley, EMNRD <ashley.maxwell@emnrd.nm.gov>

Cc: Leik, Jason <Jason.Leik@hollyfrontier.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; cory.smith@emnrd.nm.gov <cory.smith@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FW: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning Ashley,

Thank you for your response. As requested, we will submit groundwater samples for analysis of the constituents listed in 20.6.2.3103 NMAC during the next quarterly groundwater monitoring event. We are tentatively scheduled to conduct the next groundwater monitoring event in January 2026. Pending receipt of the laboratory analytical results, we may request an extension of the February 6, 2026, due date for submittal of a report documenting the results.

Can you confirm the format of the requested February 2026 report? Are you requesting revision of the Stage 1 AP Investigation Report, or a separate report?

Thank you,

Bryan Gilbert, PG

Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin TX 78752

C 925.699.6184 | bjgilbert@trccompanies.com

[LinkedIn](#) | [Instagram](#) | TRCcompanies.com

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Thursday, December 18, 2025 1:31 PM

To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Curl, Charles <Charles.Curl@HFSinclair.com>

Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL Email]: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Afternoon,

Please see the attached letter for the nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE.

The OCD has reviewed and approved the submitted Stage 1 Abatement Plan with the following conditions:

- All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.
- Approved Stage 1 Abatement Activities will be conducted and submitted as a report by February 6, 2026. In the event that the release site was not fully delineated, the report must also include the location of proposed additional delineation monitor wells and a schedule for additional delineation.

If you have any questions, please feel free to contact me.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Shin, Patrick

Subject: FW: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>

Sent: Tuesday, January 27, 2026 12:08 PM

To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>; Gilbert, Bryan <BGilbert@trccompanies.com>

Cc: Leik, Jason <Jason.Leik@hollyfrontier.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: RE: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Ashley,

I wanted to follow up on your text from January 12 to confirm what report is due February 6. You indicated it was a report summarizing the completion of the Stage 1 activities and a timeline for completion of the Stage 2 Abatement Plan. Regarding completion of the Stage 1 activities, we have a driller scheduled for the week of February 16 to conduct the recommended geotechnical study. The results will be used to complete the Stage 2 Abatement Plan. We would appreciate an allowance of 120 days from NMOCD's approval of the Stage 1 Abatement Plan (12/18/2025) for completion of the Stage 2 AP, making it due April 17, 2026.

Please advise if you would like this extension request in a letter.

Additionally, regarding the condition of, "All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC" and your clarification, via text, that this includes all constituents listed under parts A, B, and C, we ask the sampling list consist of BTEX and TPH only, for the following reasons.

- The contamination at the site is from a crude oil release.
- The groundwater monitored at the site is not used as a domestic water supply or for irrigation.
- Many constituents listed in A1 and A2 are not found in crude oil.
- Groundwater at the site has never exceeded any BTEX standard and only contains low level concentrations of TPH.
- The impacts at the site are located in soils that are potentially sourcing LNAPL to the groundwater surface.
- The remedial plan for the site is to excavate impacted soils that could be sourcing LNAPL to groundwater.
- The landowner has requested directly to OCD that closure of this issue be expedited through excavation.

Respectfully,

Paul Richardson

Environmental Specialist | Corporate Environmental

O 918.594.3267
M 918.345.2036

Paul.Richardson@hfsinclair.com
www.HFSinclair.com

3333 Southwest Blvd, Tulsa, OK 74107



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Wednesday, December 24, 2025 8:28 AM
To: Gilbert, Bryan <BGilbert@trccompanies.com>
Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Richardson, Paul <Paul.Richardson@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning,

The submitted Stage I report has been approved. OCD request that the ground monitoring report(s) remain separate from the pending Stage 2 abatement plan.

Let me know if you have any additional questions.

Ashley Maxwell • Senior Environmental Scientist

Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, December 23, 2025 9:07 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: Leik, Jason <Jason.Leik@hollyfrontier.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared

<JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning Ashley,

Thank you for your response. As requested, we will submit groundwater samples for analysis of the constituents listed in 20.6.2.3103 NMAC during the next quarterly groundwater monitoring event. We are tentatively scheduled to conduct the next groundwater monitoring event in January 2026. Pending receipt of the laboratory analytical results, we may request an extension of the February 6, 2026, due date for submittal of a report documenting the results.

Can you confirm the format of the requested February 2026 report? Are you requesting revision of the Stage 1 AP Investigation Report, or a separate report?

Thank you,

Bryan Gilbert, PG

Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin TX 78752

C 925.699.6184 | bgilbert@trccompanies.com

[LinkedIn](#) | [Instagram](#) | TRCcompanies.com

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Thursday, December 18, 2025 1:31 PM

To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Curl, Charles <Charles.Curl@HFSinclair.com>

Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Afternoon,

Please see the attached letter for the nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE.

The OCD has reviewed and approved the submitted Stage 1 Abatement Plan with the following conditions:

- All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.
- Approved Stage 1 Abatement Activities will be conducted and submitted as a report by February 6, 2026. In the event that the release site was not fully delineated, the report must also include the location of proposed additional delineation monitor wells and a schedule for additional delineation.

If you have any questions, please feel free to contact me.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Hoover, Shannon

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Thursday, January 29, 2026 9:17 AM
To: Richardson, Paul; Gilbert, Bryan
Cc: Leik, Jason; Nolan, Melanie; Clark, Darija; Stoffel, Jared; Hoover, Shannon; Smith, Cory, EMNRD
Subject: RE: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good Morning,

Your extension of April 17, 2026, is approved with the following COA:

- Any additional delays require 24 hour notification to OCD.
- Please attach a copy of this correspondence to the subsequent report

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Sent: Tuesday, January 27, 2026 11:08 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>; Gilbert, Bryan <BGilbert@trcccompanies.com>
Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trcccompanies.com>; Stoffel, Jared <JStoffel@trcccompanies.com>; Hoover, Shannon <SHoover@trcccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: RE: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Ashley,

I wanted to follow up on your text from January 12 to confirm what report is due February 6. You indicated it was a report summarizing the completion of the Stage 1 activities and a timeline for completion of the Stage 2

Abatement Plan. Regarding completion of the Stage 1 activities, we have a driller scheduled for the week of February 16 to conduct the recommended geotechnical study. The results will be used to complete the Stage 2 Abatement Plan. We would appreciate an allowance of 120 days from NMOCD’s approval of the Stage 1 Abatement Plan (12/18/2025) for completion of the Stage 2 AP, making it due April 17, 2026.

Please advise if you would like this extension request in a letter.

Additionally, regarding the condition of, “All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC” and your clarification, via text, that this includes all constituents listed under parts A, B, and C, we ask the sampling list consist of BTEX and TPH only, for the following reasons.

- The contamination at the site is from a crude oil release.
- The groundwater monitored at the site is not used as a domestic water supply or for irrigation.
- Many constituents listed in A1 and A2 are not found in crude oil.
- Groundwater at the site has never exceeded any BTEX standard and only contains low level concentrations of TPH.
- The impacts at the site are located in soils that are potentially sourcing LNAPL to the groundwater surface.
- The remedial plan for the site is to excavate impacted soils that could be sourcing LNAPL to groundwater.
- The landowner has requested directly to OCD that closure of this issue be expedited through excavation.

Respectfully,

Paul Richardson

Environmental Specialist | Corporate Environmental

O 918.594.3267

M 918.345.2036

Paul.Richardson@hfsinclair.com

www.HFSinclair.com

3333 Southwest Blvd, Tulsa, OK 74107



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Wednesday, December 24, 2025 8:28 AM

To: Gilbert, Bryan <BGilbert@trccompanies.com>

Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Richardson, Paul <Paul.Richardson@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning,

The submitted Stage I report has been approved. OCD request that the ground monitoring report(s) remain separate from the pending Stage 2 abatement plan.

Let me know if you have any additional questions.

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, December 23, 2025 9:07 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: Leik, Jason <Jason.Leik@hollyfrontier.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning Ashley,

Thank you for your response. As requested, we will submit groundwater samples for analysis of the constituents listed in 20.6.2.3103 NMAC during the next quarterly groundwater monitoring event. We are tentatively scheduled to conduct the next groundwater monitoring event in January 2026. Pending receipt of the laboratory analytical results, we may request an extension of the February 6, 2026, due date for submittal of a report documenting the results.

Can you confirm the format of the requested February 2026 report? Are you requesting revision of the Stage 1 AP Investigation Report, or a separate report?

Thank you,

Bryan Gilbert, PG
Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin TX 78752
C 925.699.6184 | bgilbert@trccompanies.com
[LinkedIn](#) | [Instagram](#) | TRCcompanies.com

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Thursday, December 18, 2025 1:31 PM
To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Curl, Charles <Charles.Curl@HFSinclair.com>
Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Afternoon,

Please see the attached letter for the nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE.

The OCD has reviewed and approved the submitted Stage 1 Abatement Plan with the following conditions:

- All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.
- Approved Stage 1 Abatement Activities will be conducted and submitted as a report by February 6, 2026. In the event that the release site was not fully delineated, the report must also include the location of proposed additional delineation monitor wells and a schedule for additional delineation.

If you have any questions, please feel free to contact me.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

Hoover, Shannon

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Sent: Tuesday, April 7, 2026 12:57 PM
To: Leik, Jason; Hoover, Shannon; Gilbert, Bryan; Stoffel, Jared; Clark, Darija
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

90 day extension on WTX approved.

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Tuesday, April 7, 2026 12:51 PM
To: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

CAUTION: This email originated from outside of the HF Sinclair organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Good Morning Paul,

Your extension request of July 16, 2026, is approved. Please include this email thread in your subsequent report.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Sent: Tuesday, April 7, 2026 11:42 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Cc: Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Ashley, following up on yesterday's voice mail. We would like to request a 90-day extension on the Stage 2 Abatement Plan, making it due July 16, 2026.

The excavation design, due to the potential depth of the hole, water management, etc., is taking longer than expected. Obviously, the primary concern is safety, working in a potentially 40' deep excavation.

I also need to update our access agreement with the landowner, which could take some time.

I can provide an update that the proposed borings (DB-1 through DB-9 and GT-1 through GT-4) in the Stage 1 Abatement plan confirmed site delineation with no migration occurring.

Please let me know if you want to discuss and if this extension is acceptable.

Thank you,

Paul Richardson

Environmental Specialist | Corporate Environmental

○ 918.594.3267

■ 918.345.2036

Paul.Richardson@hfsinclair.com

www.HFSinclair.com

3333 Southwest Blvd, Tulsa, OK 74107



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Thursday, January 29, 2026 9:17 AM

To: Richardson, Paul <Paul.Richardson@HFSinclair.com>; Gilbert, Bryan <BGilbert@trccompanies.com>

Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning,

Your extension of April 17, 2026, is approved with the following COA:

- Any additional delays require 24 hour notification to OCD.
- Please attach a copy of this correspondence to the subsequent report

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group

EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Richardson, Paul <Paul.Richardson@HFSinclair.com>
Sent: Tuesday, January 27, 2026 11:08 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>; Gilbert, Bryan <BGilbert@trccompanies.com>
Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Ashley,

I wanted to follow up on your text from January 12 to confirm what report is due February 6. You indicated it was a report summarizing the completion of the Stage 1 activities and a timeline for completion of the Stage 2 Abatement Plan. Regarding completion of the Stage 1 activities, we have a driller scheduled for the week of February 16 to conduct the recommended geotechnical study. The results will be used to complete the Stage 2 Abatement Plan. We would appreciate an allowance of 120 days from NMOCD’s approval of the Stage 1 Abatement Plan (12/18/2025) for completion of the Stage 2 AP, making it due April 17, 2026.

Please advise if you would like this extension request in a letter.

Additionally, regarding the condition of, “All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC” and your clarification, via text, that this includes all constituents listed under parts A, B, and C, we ask the sampling list consist of BTEX and TPH only, for the following reasons.

- The contamination at the site is from a crude oil release.
- The groundwater monitored at the site is not used as a domestic water supply or for irrigation.
- Many constituents listed in A1 and A2 are not found in crude oil.
- Groundwater at the site has never exceeded any BTEX standard and only contains low level concentrations of TPH.
- The impacts at the site are located in soils that are potentially sourcing LNAPL to the groundwater surface.
- The remedial plan for the site is to excavate impacted soils that could be sourcing LNAPL to groundwater.
- The landowner has requested directly to OCD that closure of this issue be expedited through excavation.

Respectfully,

Paul Richardson
Environmental Specialist | Corporate Environmental

○ 918.594.3267
M 918.345.2036

Paul.Richardson@hfsinclair.com
www.HFSinclair.com

3333 Southwest Blvd, Tulsa, OK 74107



From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Sent: Wednesday, December 24, 2025 8:28 AM
To: Gilbert, Bryan <BGilbert@trccompanies.com>
Cc: Leik, Jason <Jason.Leik@HFSinclair.com>; Richardson, Paul <Paul.Richardson@HFSinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning,

The submitted Stage I report has been approved. OCD request that the ground monitoring report(s) remain separate from the pending Stage 2 abatement plan.

Let me know if you have any additional questions.

Ashley Maxwell • Senior Environmental Scientist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Gilbert, Bryan <BGilbert@trccompanies.com>
Sent: Tuesday, December 23, 2025 9:07 AM
To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>
Cc: Leik, Jason <Jason.Leik@hollyfrontier.com>; Richardson, Paul <paul.richardson@hfsinclair.com>; Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Clark, Darija <dclark@trccompanies.com>; Stoffel, Jared <JStoffel@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>
Subject: [EXTERNAL] nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Morning Ashley,

Thank you for your response. As requested, we will submit groundwater samples for analysis of the constituents listed in 20.6.2.3103 NMAC during the next quarterly groundwater monitoring event. We are tentatively scheduled to conduct the next groundwater monitoring event in January 2026. Pending receipt of the laboratory analytical results, we may request an extension of the February 6, 2026, due date for submittal of a report documenting the results.

Can you confirm the format of the requested February 2026 report? Are you requesting revision of the Stage 1 AP Investigation Report, or a separate report?

Thank you,

Bryan Gilbert, PG

Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin TX 78752

C925.699.6184 | bgilbert@trccompanies.com

[LinkedIn](#) | [Instagram](#) | TRCcompanies.com

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Thursday, December 18, 2025 1:31 PM

To: Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; Curl, Charles <Charles.Curl@HFSinclair.com>

Cc: Smith, Cory, EMNRD <cory.smith@emnrd.nm.gov>

Subject: nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE

Good Afternoon,

Please see the attached letter for the nOY1822242858 Holly Energy WTX to EMSU Battery to Byrd Pump SE.

The OCD has reviewed and approved the submitted Stage 1 Abatement Plan with the following conditions:

- All groundwater samples will be analyzed according to all constituents in 20.6.2.3103 NMAC Pursuant to 19.15.30.9.B(2) NMAC. Operators may request to reduce sampling constituents based upon future results.
- Approved Stage 1 Abatement Activities will be conducted and submitted as a report by February 6, 2026. In the event that the release site was not fully delineated, the report must also include the location of proposed additional delineation monitor wells and a schedule for additional delineation.

If you have any questions, please feel free to contact me.

Thanks,
Ashley

Ashley Maxwell • Senior Environmental Scientist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.635.5000 | Ashley.Maxwell@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.


CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.


CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.


ATTACHMENT B – GROUNDWATER SAMPLING FORMS

	Sample Location	MW-5	Are non-potable water signs posted at well and storage tanks?
	Date	3-11-25	
	Client	HFS	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.51	Sample Collection Time	1207
Total Purge Volume (gal)	2	Purge Method	low flow bladder pump
Total Depth (ft)	49.72 (NTD) 49.65	Sample Method	low flow bladder pump
Screen Depth Interval (ft)	30-50	Water Description	brown
Pump Intake Depth (feet)	48.65	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.2	39.55		7.25	20.08	3.88	124	0.00	1000
3			39.55		7.34	20.31	3.93	106	0.00	1000
*6			39.55		7.36	20.34	3.94	104	0.00	1000
9			39.55		7.36	20.32	3.94	106	0.00	1000
*12			39.55		7.35	20.40	3.94	107	0.00	1000
15			39.55		7.34	20.45	3.94	108	0.00	1000
*18			39.55		7.35	20.45	3.94	110	0.00	1000
24			39.55		7.34	20.45	3.95	111	0.00	1000
30 26 (NTD)			39.55		7.33	20.47	3.95	108	0.00	1000

	Sample Location	MW-3	Are non-potable water signs posted at well and storage tanks?
	Date	3.11.25	
	Client	HEP	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.08 ^(NTD)	Sample Collection Time	1325
Total Purge Volume (gal)	~ 3.25	Purge Method	low flow bladder pump
Total Depth (ft)	49.95 ^(NTD) 49.62	Sample Method	low flow bladder pump
Screen Depth Interval (ft)	30-50	Water Description	cloudy grey
Pump Intake Depth (feet)	48.61	Sampling Personnel	R. Niehay, N. Donegan


Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0	2	0.3	39.08		7.56	21.30	3.36	24	0.00	1060
3 6 ^(NTD)	4 ^(NTD)		39.26		7.61	20.77	3.32	30	0.00	575
6 ^(NTD)	-	-	-	-	-	-	-	-	-	-
4 ^(NTD)	-	-	-	-	-	-	-	-	-	-
12	6		39.26		7.52	20.83	3.32	35	0.00	331
18	8		39.24		7.48	20.82	3.33	35	0.00	235
24	10		39.24		7.48	20.81	3.33	40	0.00	132
30	12		39.24		7.47	20.84	3.33	38	0.00	96.9
36	14		39.24		7.46	20.84	3.32	47	0.00	51.9
			39.19							

	Sample Location	MW-4	Are non-potable water signs posted at well and storage tanks? N/A
	Date	1426	
	Client	HFS	
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.46	Sample Collection Time	
Total Purge Volume (gal)	3	Purge Method	low flow bladder pump
Total Depth (ft)	50.34 50.16	Sample Method	low flow bladder pump
Screen Depth Interval (ft)	30-50	Water Description	grey
Pump Intake Depth (feet)	49.12	Sampling Personnel	R. Niehay, N. Donegan


Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.25	39.46		7.36	22.65	3.97	-120	0.00	1000
3	-	-	-	-	-	-	-	-	-	-
6			39.46		7.36	22.15	4.00	-175	0.00	1000
3	-	-	-	-	-	-	-	-	-	-
12			39.46		7.37	22.06	4.01	-173	0.00	669
18			39.46		7.37	22.01	4.02	-170	0.00	499
24			39.46		7.36	21.92	4.01	-167	0.00	426
30			39.46		7.35	21.87	4.02	-162	0.00	402

AC-001 @ 1447

Initials ___ NTD ___

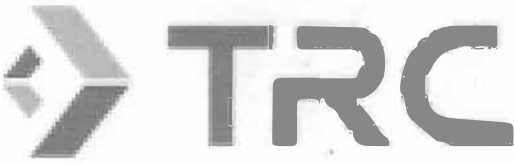
	Sample Location	MW-2 + duplicate	Are non-potable water signs posted at well and storage tanks?
	Date	3.12.25	
	Client	HEP	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.18 39.23	Sample Collection Time	0954
Total Purge Volume (gal)		Purge Method	low flow bladder pump
Total Depth (ft)	49.87 49.25	Sample Method	low flow bladder pump
Screen Depth Interval (ft)	30-50	Water Description	brown
Pump Intake Depth (feet)		Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.25	39.23		6.66	18.46	3.93	68	0.00	1000
3	-	-	-	-	-	-	-	-	-	-
6			39.29		6.95	18.97	3.91	67	0.00	932
9	-	-	-	-	-	-	-	-	-	-
12			39.29		6.95	19.17	3.90	75	0.00	397
18			39.29		6.93	19.37	3.89	82	0.00	217
24			39.29		6.86	19.38	3.89	90	0.00	158
30			39.29		6.79	19.39	3.88	92	0.00	113
36			39.29		6.79	19.38	3.88	93	0.00	89.6
			39.29							

	Sample Location	MW - 5	Are non-potable water signs posted at well and storage tanks?
	Date	6.3.25	
	Client	HFS	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)		Sample Collection Time	10:55
Total Purge Volume (gal)		Purge Method	low flow
Total Depth (ft)		Sample Method	low flow
Screen Depth Interval (ft)		Water Description	reddish brown
Pump Intake Depth (feet)		Sampling Personnel	N. Donegan · S. Welvang

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		5	39.65		6.68	26.00	4.07	185	49.7	1000
3			39.61		6.84	22.77	4.08	177	42.7	1000
6			39.61		6.83	22.28	4.09	176	35.8	1000
9			39.61		6.85	22.36	4.08	175	28.2	1000
12			39.61		6.84	22.00	4.09	175	22.3	1000
15			39.61		6.82	22.01	4.09	175	17.5	1000

Initials NTD

	Sample Location	MW-3	Are non-potable water signs posted at well and storage tanks?
	Date	06/03/25	
	Client	HEP	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)		Sample Collection Time	1200
Total Purge Volume (gal)		Purge Method	low flow
Total Depth (ft)		Sample Method	low flow
Screen Depth Interval (ft)		Water Description	Pale brown
Pump Intake Depth (feet)		Sampling Personnel	N. Donegan · S. Welvang

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.41		6.96	21.16	3.39	86	3.41	1000
3			39.49		6.92	22.28	4.34	38	0.94	1060
6			39.39		6.91	21.98	3.44	73	7.97	466
9			39.39		6.92	21.89	3.44	61	8.01	242
12			39.39		6.92	21.60	3.44	72	8.02	197
15			39.39		6.93	21.62	3.43	83	7.72	148

Initials NTD

Page ____ of ____



Sample Location	MW-4	Are non-potable water signs posted at well and storage tanks? N/A
Date	06/03/25	
Client	HFS	
Site	WTX to EMSU	

Static Depth to Water (ft)		Sample Collection Time	1315
Total Purge Volume (gal)		Purge Method	low flow
Total Depth (ft)		Sample Method	low flow
Screen Depth Interval (ft)		Water Description	cloudy white
Pump Intake Depth (feet)		Sampling Personnel	N.O. N. Donegan, S. Welvang

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.49		6.81	23.16	4.22	-83	2.51	886
3			39.49		6.79	22.46	4.22	-103	0.27	315
6			39.49		6.78	22.30	4.24	-77	0.17	172
9			39.49		6.77	21.70	4.25	-83	0	106
12			39.49		6.77	21.57	4.25	-83	0	107
15			39.49		6.77	21.49	4.25	-80	0	102


Initials NTD

Page of

Released to Imaging: 5/5/2026 10:51:49 AM

Received by OCD: 4/27/2026 11:01:27 AM

Page 143 of 322

	Sample Location	MW-2 + DUP	Are non-potable water signs posted at well and storage tanks?
	Date	06/03/25	
	Client	HEP	N/A
	Site	WTX to EMSU	
Static Depth to Water (ft)		Sample Collection Time	1410
Total Purge Volume (gal)		Purge Method	low flow
Total Depth (ft)		Sample Method	low flow
Screen Depth Interval (ft)		Water Description	cloudy brown
Pump Intake Depth (feet)		Sampling Personnel	N. Donegan · S. Welvang

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.40		6.81	23.50	4.09	101	2.84	1000
3			39.38		6.78	22.27	4.09	99	1.26	1000
6			39.38		6.79	21.90	4.09	99	0.98	1000
9			39.38		6.79	21.82	4.08	99	0.85	986
12			39.38		6.78	21.78	4.08	99	0.65	625
15			39.38		6.78	21.54	4.08	100	0.62	452

EB © 1602

Initials NTD

Page ____ of ____



Sample Location	MW-3	Are non-potable water signs posted at well and storage tanks? N/A	
Date	9.11.25		
Client	HF5		
Site	WTX to EMS (W) (N)		
Static Depth to Water (ft)	39.25	Sample Collection Time	0915
Total Purge Volume (gal)	1.5	Purge Method	low flow bladder pump
Total Depth (ft)	49.61	Sample Method	low flow bladder pump
Screen Depth Interval (ft)		Water Description	cloudy brown
Pump Intake Depth (feet)	43.25	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.3	39.32	-0.07	7.03	20.96	3.33	127	1.94	0.0
3			39.32	0.0	7.02	20.70	3.33	127	1.20	800
6			39.32	0.0	7.02	20.49	3.34	126	0.78	800
9			39.32	0.0	7.02	20.36	3.34	123	0.52	755
12			39.32	0.0	7.01	20.28	3.34	121	0.40	749
15			39.32	0.0	7.01	20.25	3.34	120	0.35	729
			39.32							

Initials NTD

Released to Imaging: 5/5/2026 10:51:49 AM

Received by OCD: 4/27/2026 11:01:27 AM

Page 146 of 322



	Sample Location	MW-4	Are non-potable water signs posted at well and storage tanks? N/A
	Date	9.11.25	
	Client	HFS	
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.58	Sample Collection Time	1014
Total Purge Volume (gal)	1.5	Purge Method	low flow bladder pump
Total Depth (ft)	50.13	Sample Method	low flow bladder pump
Screen Depth Interval (ft)		Water Description	cloudy yellow
Pump Intake Depth (feet)	44.50	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.3	39.55	-0.03	7.00	21.20	4.03	72	1.31	800
3		↓	39.55	0.0	6.97	20.85	4.04	50	0.52	351
6			39.55	0.0	6.95	20.75	4.05	39	0.26	234
9			39.55	0.0	6.93	20.57	4.04	30	0.13	274
12			39.55	0.0	6.92	20.61	4.04	26	0.09	252
15			39.55	0.0	6.91	20.54	4.05	23	0.01	233
18			39.55	0.0	6.90	20.50	4.05	21	0.00	238
				39.55						

Initials NTD

Released to Imaging: 5/5/2026 10:51:49 AM

Received by OCD: 4/27/2026 11:01:27 AM

Page 147 of 322



	Sample Location	MW-2	Are non-potable water signs posted at well and storage tanks?
	Date	9.11.25	
	Client	HFS	
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.26	Sample Collection Time	1114
Total Purge Volume (gal)	1.5	Purge Method	low flow bladder pump
Total Depth (ft)	49.15	Sample Method	low flow bladder pump
Screen Depth Interval (ft)		Water Description	cloudy brown
Pump Intake Depth (feet)	43.15	Sampling Personnel	R. Niehay, N. Donegan


Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (u-siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.25	+0.01	7.02	22.81	3.87	95	3.17	0.0
3			39.36	-0.10	6.98	21.41	3.86	93	1.81	0.0
6			39.36	0.0	6.94	21.14	3.86	93	1.31	0.0
9			39.36	0.0	6.91	21.03	3.85	93	1.00	0.0
12			39.36	0.0	6.88	20.96	3.84	92	0.74	800
15			39.36	0.0	6.85	20.90	3.84	93	0.65	737
18			39.36	0.0	6.83	20.90	3.84	94	0.59	546
			39.29							

Initials NTD

Released to Imaging: 5/5/2026 10:51:49 AM

Received by OCD: 4/27/2026 11:01:27 AM

Page 148 of 322

	Sample Location	MW-5	Are non-potable water signs posted at well and storage tanks? N/A
	Date	11-20-25	
	Client	HFS	
	Site	WTX to EMSU	
Static Depth to Water (ft)	39.66	Sample Collection Time	0926
Total Purge Volume (gal)	2.0	Purge Method	bladder pump
Total Depth (ft)	49.72 49.51	Sample Method	bladder pump
Screen Depth Interval (ft)	30-50	Water Description	cloudy brown
Pump Intake Depth (feet)	43.60	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity µ siemens/cm m ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0		0.25	39.69	-0.03	5.40	18.89	3.80	208	0.16	1000
3		↓	39.76	-0.07	6.14	18.98	3.81	198	0.00	742
6			39.76	0.00	6.30	19.11	3.82	188	0.00	484
9			39.76	0.00	6.39	19.14	3.83	181	0.00	347
12			39.76	0.00	6.38	19.15	3.84	176	0.00	227
15			39.76	0.00	6.39	19.17	3.82	169	0.00	147
				39.76						



Sample Location	MW-3	Are non-potable water signs posted at well and storage tanks? N/A	
Date	11.20.25		
Client	HFS		
Site	WTX to EMSU		
Static Depth to Water (ft)	39.30	Sample Collection Time	1027
Total Purge Volume (gal)	2.0	Purge Method	bladder pump
Total Depth (ft)	49.59	Sample Method	bladder pump
Screen Depth Interval (ft)	30-50	Water Description	cloudy tan
Pump Intake Depth (feet)	44.85	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity µ siemens/cm m ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.31	-0.01	6.69	18.64	3.61	148	5.81	93.7
3			39.41	-0.10	6.71	19.19	3.39	129	0.63	136
6			39.41	0.00	6.72	19.48	3.33	117	0.00	91.1
9			39.41	0.00	6.73	19.54	3.32	113	0.00	76.1
12			39.41	0.00	6.74	19.59	3.32	110	0.00	62.3
15			39.41	0.00	6.75	19.60	3.32	107	0.00	57.9

Initials NTD

Page 2 of 4



Sample Location	MW-4	Are non-potable water signs posted at well and storage tanks? N/A	
Date	11-20-25		
Client	HFS		
Site	WTX to EMSU		
Static Depth to Water (ft)	39.62	Sample Collection Time	1123
Total Purge Volume (gal)	34.11	Purge Method	bladder pump
Total Depth (ft)	^(N/A) 50.31 50.18	Sample Method	bladder pump
Screen Depth Interval (ft)	30-50	Water Description	cloudy yellow
Pump Intake Depth (feet)	46.71	Sampling Personnel	R. Niehay, N. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity (µsiemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.63	-0.01	6.76	19.49	3.94	-28	3.94	48.7
3			39.63	0.00	6.74	19.64	4.06	-43	0.00	42.8
6			39.63	0.00	6.74	19.70	4.09	-47	0.00	39.0
9			39.63	0.00	6.75	19.80	4.09	-49	0.00	36.4
12			39.63	0.00	6.75	19.82	4.07	-50	0.00	33.3
15			39.63	0.00	6.75	19.86	4.04	-51	0.00	31.9
			39.63							

Initials NTD

Released to Imaging: 5/5/2026 10:51:49 AM

Received by OCD: 4/27/2026 11:01:27 AM

Page 151 of 322



Sample Location	MW-2 + DUP-01	Are non-potable water signs posted at well and storage tanks? N/A
Date	11-20-25	
Client	HFS	
Site	WTX to EMSU	

Static Depth to Water (ft)	39.32	Sample Collection Time	1255
Total Purge Volume (gal)	495 2	Purge Method	bladder pump
Total Depth (ft)	49.02	Sample Method	bladder pump
Screen Depth Interval (ft)	30-50	Water Description	
Pump Intake Depth (feet)	43.19	Sampling Personnel	R. Niehay, H. Donegan

Time (min)	Volume Purged (L)	Flow Rate (L/min)	Depth to Water (ft)	Drawdown (ft)	pH (SU) ± 10%	Temp (C) ± 10%	Conductivity ^{to} _m (siemens/cm) ± 3%	ORP (mV) ± 10%	Dissolved Oxygen (mg/L) ± 10%	Turbidity (NTUs) <10
0			39.24	+0.04	6.76	17.91	3.92	43	2.93	0.0
3			39.39	-0.10	6.77	18.56	3.89	61	1.20	0.0
6			39.39	0.00	6.77	18.79	3.88	72	0.68	523
9			39.39	0.00	6.78	18.96	3.86	80	0.27	961
12			39.39	0.00	6.78	19.00	3.86	84	0.06	766
15			39.39	0.00	6.79	19.13	3.85	86	0.00	578

1345 - AC

1352 - EB

Initials NTD

ATTACHMENT C – LABORATORY ANALYTICAL REPORTS



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

April 03, 2026

Audrey Eljuri
TRC Corporation
505 East Huntland Drive
Suite 250
Austin, TX 78752

Work Order: **HS25030678**

Laboratory Results for: **HEP WTX Q1**

Dear Audrey Eljuri,

ALS Environmental received 9 sample(s) on Mar 13, 2025 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

A handwritten signature in black ink, appearing to read 'Andy C. Neir', is written over a light blue horizontal line.

Generated By: ANDREW.NEIR
Andy C. Neir
Project Manager

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
Work Order: HS25030678

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25030678-01	MW-5	Groundwater		11-Mar-2025 12:07	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-02	MW-3	Groundwater		11-Mar-2025 13:25	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-03	MW-4	Groundwater		11-Mar-2025 14:26	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-04	AC-001	Groundwater		11-Mar-2025 14:47	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-05	EB-001	Groundwater		11-Mar-2025 15:05	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-06	MW-2	Groundwater		12-Mar-2025 09:54	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-07	DUP-01	Water		12-Mar-2025 00:00	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-08	Trip Blank CG-010825-299	Water		12-Mar-2025 00:00	13-Mar-2025 09:20	<input type="checkbox"/>
HS25030678-09	Trip Blank CG-010825-300	Water		12-Mar-2025 00:00	13-Mar-2025 09:20	<input checked="" type="checkbox"/>

Revision:1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
Work Order: HS25030678

CASE NARRATIVE

Work Order Comments

- Sample revised on 4/3/2026 to remove n flag from 8015.
-

Work Order Comments

- Revised final on 3/27/2025 to include data for Trip Blank.
-

GC Semivolatiles by Method SW8015M

Batch ID: 225426

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

GC Volatiles by Method SW8015

Batch ID: R508860

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

GCMS Volatiles by Method SW8260

Batch ID: R508849

Sample ID: VLCSW-2500317

- Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.

Batch ID: R508834

Sample ID: VLCSW-250317

- Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.
-

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: MW-5
 Collection Date: 11-Mar-2025 12:07

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-01
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 11:59
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 11:59
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 11:59
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 11:59
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 11:59
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 11:59
Surr: 1,2-Dichloroethane-d4	90.5		70-126	%REC	1	17-Mar-2025 11:59
Surr: 4-Bromofluorobenzene	101		77-113	%REC	1	17-Mar-2025 11:59
Surr: Dibromofluoromethane	94.6		77-123	%REC	1	17-Mar-2025 11:59
Surr: Toluene-d8	98.2		82-127	%REC	1	17-Mar-2025 11:59
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 11:31
Surr: 4-Bromofluorobenzene	103		70-123	%REC	1	17-Mar-2025 11:31
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 11:24
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 11:24
Surr: 2-Fluorobiphenyl	84.5		60-135	%REC	1	17-Mar-2025 11:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: MW-3
 Collection Date: 11-Mar-2025 13:25

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-02
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:15
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:15
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 12:15
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:15
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:15
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 12:15
Surr: 1,2-Dichloroethane-d4	94.0		70-126	%REC	1	17-Mar-2025 12:15
Surr: 4-Bromofluorobenzene	102		77-113	%REC	1	17-Mar-2025 12:15
Surr: Dibromofluoromethane	108		77-123	%REC	1	17-Mar-2025 12:15
Surr: Toluene-d8	100		82-127	%REC	1	17-Mar-2025 12:15
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 11:44
Surr: 4-Bromofluorobenzene	102		70-123	%REC	1	17-Mar-2025 11:44
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 12:34
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 12:34
Surr: 2-Fluorobiphenyl	65.7		60-135	%REC	1	17-Mar-2025 12:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: MW-4
 Collection Date: 11-Mar-2025 14:26

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-03
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:39
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:39
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 12:39
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:39
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:39
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 12:39
Surr: 1,2-Dichloroethane-d4	102		70-126	%REC	1	17-Mar-2025 12:39
Surr: 4-Bromofluorobenzene	104		77-113	%REC	1	17-Mar-2025 12:39
Surr: Dibromofluoromethane	112		77-123	%REC	1	17-Mar-2025 12:39
Surr: Toluene-d8	103		82-127	%REC	1	17-Mar-2025 12:39
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 11:58
Surr: 4-Bromofluorobenzene	104		70-123	%REC	1	17-Mar-2025 11:58
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 11:47
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 11:47
Surr: 2-Fluorobiphenyl	95.3		60-135	%REC	1	17-Mar-2025 11:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: AC-001
 Collection Date: 11-Mar-2025 14:47

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-04
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 13:03
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 13:03
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 13:03
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 13:03
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 13:03
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 13:03
Surr: 1,2-Dichloroethane-d4	98.0		70-126	%REC	1	17-Mar-2025 13:03
Surr: 4-Bromofluorobenzene	105		77-113	%REC	1	17-Mar-2025 13:03
Surr: Dibromofluoromethane	114		77-123	%REC	1	17-Mar-2025 13:03
Surr: Toluene-d8	102		82-127	%REC	1	17-Mar-2025 13:03
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 12:11
Surr: 4-Bromofluorobenzene	103		70-123	%REC	1	17-Mar-2025 12:11
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 12:10
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 12:10
Surr: 2-Fluorobiphenyl	93.9		60-135	%REC	1	17-Mar-2025 12:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: EB-001
 Collection Date: 11-Mar-2025 15:05

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-05
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 11:50
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 11:50
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 11:50
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 11:50
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 11:50
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 11:50
Surr: 1,2-Dichloroethane-d4	92.1		70-126	%REC	1	17-Mar-2025 11:50
Surr: 4-Bromofluorobenzene	103		77-113	%REC	1	17-Mar-2025 11:50
Surr: Dibromofluoromethane	110		77-123	%REC	1	17-Mar-2025 11:50
Surr: Toluene-d8	102		82-127	%REC	1	17-Mar-2025 11:50
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 11:18
Surr: 4-Bromofluorobenzene	105		70-123	%REC	1	17-Mar-2025 11:18
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 12:34
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 12:34
Surr: 2-Fluorobiphenyl	88.6		60-135	%REC	1	17-Mar-2025 12:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: MW-2
 Collection Date: 12-Mar-2025 09:54

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-06
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 13:28
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 13:28
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 13:28
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 13:28
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 13:28
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 13:28
Surr: 1,2-Dichloroethane-d4	98.2		70-126	%REC	1	17-Mar-2025 13:28
Surr: 4-Bromofluorobenzene	105		77-113	%REC	1	17-Mar-2025 13:28
Surr: Dibromofluoromethane	111		77-123	%REC	1	17-Mar-2025 13:28
Surr: Toluene-d8	102		82-127	%REC	1	17-Mar-2025 13:28
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 12:25
Surr: 4-Bromofluorobenzene	105		70-123	%REC	1	17-Mar-2025 12:25
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 12:57
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 12:57
Surr: 2-Fluorobiphenyl	73.0		60-135	%REC	1	17-Mar-2025 12:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: DUP-01
 Collection Date: 12-Mar-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-07
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:20
Ethylbenzene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:20
m,p-Xylene	< 0.00050		0.0020	mg/L	1	17-Mar-2025 12:20
o-Xylene	< 0.00030		0.0010	mg/L	1	17-Mar-2025 12:20
Toluene	< 0.00020		0.0010	mg/L	1	17-Mar-2025 12:20
Xylenes, Total	< 0.00030		0.0030	mg/L	1	17-Mar-2025 12:20
Surr: 1,2-Dichloroethane-d4	95.1		70-126	%REC	1	17-Mar-2025 12:20
Surr: 4-Bromofluorobenzene	110		77-113	%REC	1	17-Mar-2025 12:20
Surr: Dibromofluoromethane	98.8		77-123	%REC	1	17-Mar-2025 12:20
Surr: Toluene-d8	104		82-127	%REC	1	17-Mar-2025 12:20
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: LC
Gasoline Range Organics	< 0.0200		0.200	mg/L	1	17-Mar-2025 12:38
Surr: 4-Bromofluorobenzene	108		70-123	%REC	1	17-Mar-2025 12:38
EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C		Method:SW8015M			Prep:SW3510C / 17-Mar-2025	Analyst: SAM
DRO C10-C35	< 0.00400		0.0500	mg/L	1	17-Mar-2025 12:57
ORO (C28-C40)	< 0.0200		0.100	mg/L	1	17-Mar-2025 12:57
Surr: 2-Fluorobiphenyl	77.5		60-135	%REC	1	17-Mar-2025 12:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
 Project: HEP WTX Q1
 Sample ID: Trip Blank CG-010825-299
 Collection Date: 12-Mar-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25030678
 Lab ID:HS25030678-08
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: DP
Benzene	< 0.00020		0.0010	mg/L	1	25-Mar-2025 11:28
Ethylbenzene	< 0.00030		0.0010	mg/L	1	25-Mar-2025 11:28
m,p-Xylene	< 0.00050		0.0020	mg/L	1	25-Mar-2025 11:28
o-Xylene	< 0.00030		0.0010	mg/L	1	25-Mar-2025 11:28
Toluene	< 0.00020		0.0010	mg/L	1	25-Mar-2025 11:28
Xylenes, Total	< 0.00030		0.0030	mg/L	1	25-Mar-2025 11:28
Surr: 1,2-Dichloroethane-d4	98.1		70-126	%REC	1	25-Mar-2025 11:28
Surr: 4-Bromofluorobenzene	111		77-113	%REC	1	25-Mar-2025 11:28
Surr: Dibromofluoromethane	103		77-123	%REC	1	25-Mar-2025 11:28
Surr: Toluene-d8	103		82-127	%REC	1	25-Mar-2025 11:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Weight / Prep Log

Client: TRC Corporation

Project: HEP WTX Q1

WorkOrder: HS25030678

Batch ID: 225426

Start Date: 17 Mar 2025 06:30

End Date: 17 Mar 2025 06:30

Method: AQPREP: 3510C TPH

Prep Code: 8015WPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25030678-01		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-02		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-04		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-05		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25030678-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 225426 (0)		Test Name : EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C			Matrix: Water	
HS25030678-07	DUP-01	12 Mar 2025 00:00		17 Mar 2025 06:30	17 Mar 2025 12:57	1
Batch ID: 225426 (0)		Test Name : EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C			Matrix: Groundwater	
HS25030678-01	MW-5	11 Mar 2025 12:07		17 Mar 2025 06:30	17 Mar 2025 11:24	1
HS25030678-02	MW-3	11 Mar 2025 13:25		17 Mar 2025 06:30	17 Mar 2025 12:34	1
HS25030678-03	MW-4	11 Mar 2025 14:26		17 Mar 2025 06:30	17 Mar 2025 11:47	1
HS25030678-04	AC-001	11 Mar 2025 14:47		17 Mar 2025 06:30	17 Mar 2025 12:10	1
HS25030678-05	EB-001	11 Mar 2025 15:05		17 Mar 2025 06:30	17 Mar 2025 12:34	1
HS25030678-06	MW-2	12 Mar 2025 09:54		17 Mar 2025 06:30	17 Mar 2025 12:57	1
Batch ID: R508834 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25030678-07	DUP-01	12 Mar 2025 00:00			17 Mar 2025 12:20	1
Batch ID: R508834 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS25030678-01	MW-5	11 Mar 2025 12:07			17 Mar 2025 11:59	1
Batch ID: R508849 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS25030678-02	MW-3	11 Mar 2025 13:25			17 Mar 2025 12:15	1
HS25030678-03	MW-4	11 Mar 2025 14:26			17 Mar 2025 12:39	1
HS25030678-04	AC-001	11 Mar 2025 14:47			17 Mar 2025 13:03	1
HS25030678-05	EB-001	11 Mar 2025 15:05			17 Mar 2025 11:50	1
HS25030678-06	MW-2	12 Mar 2025 09:54			17 Mar 2025 13:28	1
Batch ID: R508860 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25030678-07	DUP-01	12 Mar 2025 00:00			17 Mar 2025 12:38	1
Batch ID: R508860 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Groundwater	
HS25030678-01	MW-5	11 Mar 2025 12:07			17 Mar 2025 11:31	1
HS25030678-02	MW-3	11 Mar 2025 13:25			17 Mar 2025 11:44	1
HS25030678-03	MW-4	11 Mar 2025 14:26			17 Mar 2025 11:58	1
HS25030678-04	AC-001	11 Mar 2025 14:47			17 Mar 2025 12:11	1
HS25030678-05	EB-001	11 Mar 2025 15:05			17 Mar 2025 11:18	1
HS25030678-06	MW-2	12 Mar 2025 09:54			17 Mar 2025 12:25	1
Batch ID: R509478 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25030678-08	Trip Blank CG-010825-299	12 Mar 2025 00:00			25 Mar 2025 11:28	1

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: 225426 (0)	Instrument: FID23	Method: EXTRACTABLE PETROLEUM HYDROCARBONS BY SW8015C
-------------------------------	--------------------------	--

MBLK	Sample ID: MBLK-225426	Units: mg/L	Analysis Date: 17-Mar-2025 11:24							
Client ID:	Run ID: FID23_508901	SeqNo: 8732145	PrepDate: 17-Mar-2025 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	< 0.00400	0.0500								
ORO (C28-C40)	< 0.0200	0.100								
Surr: 2-Fluorobiphenyl	0.07406	0	0.1	0	74.1	60 - 135				

LCS	Sample ID: LCS-225426	Units: mg/L	Analysis Date: 17-Mar-2025 11:47							
Client ID:	Run ID: FID23_508901	SeqNo: 8732146	PrepDate: 17-Mar-2025 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.8889	0.0500	1	0	88.9	70 - 130				
ORO (C28-C40)	0.7925	0.100	1	0	79.2	70 - 130				
Surr: 2-Fluorobiphenyl	0.08719	0	0.1	0	87.2	60 - 135				

LCSD	Sample ID: LCSD-225426	Units: mg/L	Analysis Date: 17-Mar-2025 12:10							
Client ID:	Run ID: FID23_508901	SeqNo: 8732147	PrepDate: 17-Mar-2025 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.8554	0.0500	1	0	85.5	70 - 130	0.8889	3.83	20	
ORO (C28-C40)	0.813	0.100	1	0	81.3	70 - 130	0.7925	2.55	20	
Surr: 2-Fluorobiphenyl	0.08085	0	0.1	0	80.8	60 - 135	0.08719	7.55	20	

The following samples were analyzed in this batch:	HS25030678-01	HS25030678-02	HS25030678-03	HS25030678-04
	HS25030678-05	HS25030678-06	HS25030678-07	

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R508860 (0)	Instrument: FID-20	Method: GASOLINE RANGE ORGANICS BY SW8015C
--------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-250315	Units: mg/L	Analysis Date: 17-Mar-2025 10:24							
Client ID:	Run ID: FID-20_508860	SeqNo: 8731336	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.09392	0.00500	0.1	0	93.9	70 - 121				

LCS	Sample ID: LCS-250315	Units: mg/L	Analysis Date: 17-Mar-2025 09:57							
Client ID:	Run ID: FID-20_508860	SeqNo: 8731359	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	0.9292	0.200	1	0	92.9	76 - 124				
Surr: 4-Bromofluorobenzene	0.08085	0.00500	0.1	0	80.9	52 - 138				

LCSD	Sample ID: LCSD-250315	Units: mg/L	Analysis Date: 17-Mar-2025 10:10							
Client ID:	Run ID: FID-20_508860	SeqNo: 8731335	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	0.8065	0.200	1	0	80.6	76 - 124	0.9292	14.1	20	
Surr: 4-Bromofluorobenzene	0.07378	0.00500	0.1	0	73.8	52 - 138	0.08085	9.15	20	

The following samples were analyzed in this batch:

HS25030678-01	HS25030678-02	HS25030678-03	HS25030678-04
HS25030678-05	HS25030678-06	HS25030678-07	

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R508834 (0) **Instrument:** VOA6 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: VBLKW-250317		Units: ug/L		Analysis Date: 17-Mar-2025 10:25			
Client ID:		Run ID: VOA6_508834		SeqNo: 8730952		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 0.20	1.0							
Ethylbenzene	< 0.30	1.0							
m,p-Xylene	< 0.50	2.0							
o-Xylene	< 0.30	1.0							
Toluene	< 0.20	1.0							
Xylenes, Total	< 0.30	3.0							
Surr: 1,2-Dichloroethane-d4	47.72	1.0	50	0	95.4	70 - 123			
Surr: 4-Bromofluorobenzene	51.15	1.0	50	0	102	77 - 113			
Surr: Dibromofluoromethane	49.99	1.0	50	0	100.0	73 - 126			
Surr: Toluene-d8	51.48	1.0	50	0	103	81 - 120			

LCS		Sample ID: VLCSW-250317		Units: ug/L		Analysis Date: 17-Mar-2025 09:22			
Client ID:		Run ID: VOA6_508834		SeqNo: 8730950		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.21	1.0	20	0	91.0	74 - 120			
Ethylbenzene	17.38	1.0	20	0	86.9	77 - 117			
m,p-Xylene	34.1	2.0	40	0	85.2	77 - 122			
o-Xylene	17.52	1.0	20	0	87.6	75 - 119			
Toluene	17.72	1.0	20	0	88.6	77 - 118			
Xylenes, Total	51.62	3.0	60	0	86.0	75 - 122			
Surr: 1,2-Dichloroethane-d4	47.06	1.0	50	0	94.1	70 - 123			
Surr: 4-Bromofluorobenzene	52.56	1.0	50	0	105	77 - 113			
Surr: Dibromofluoromethane	47.7	1.0	50	0	95.4	73 - 126			
Surr: Toluene-d8	51.1	1.0	50	0	102	81 - 120			

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R508834 (0) **Instrument:** VOA6 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD		Sample ID: VLCS DW-250317			Units: ug/L		Analysis Date: 17-Mar-2025 09:43			
Client ID:		Run ID: VOA6_508834			SeqNo: 8730951		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.75	1.0	20	0	88.7	74 - 120	18.21	2.55	20	
Ethylbenzene	18.13	1.0	20	0	90.6	77 - 117	17.38	4.23	20	
m,p-Xylene	35.02	2.0	40	0	87.5	77 - 122	34.1	2.67	20	
o-Xylene	18.11	1.0	20	0	90.5	75 - 119	17.52	3.29	20	
Toluene	17.78	1.0	20	0	88.9	77 - 118	17.72	0.359	20	
Xylenes, Total	53.13	3.0	60	0	88.5	75 - 122	51.62	2.88	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	47.86	1.0	50	0	95.7	70 - 123	47.06	1.67	20	
<i>Surr: 4-Bromofluorobenzene</i>	51.87	1.0	50	0	104	77 - 113	52.56	1.33	20	
<i>Surr: Dibromofluoromethane</i>	47.46	1.0	50	0	94.9	73 - 126	47.7	0.496	20	
<i>Surr: Toluene-d8</i>	50.02	1.0	50	0	100	81 - 120	51.1	2.14	20	

The following samples were analyzed in this batch: HS25030678-01 HS25030678-07

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R508849 (0)	Instrument: VOA14	Method: LOW LEVEL VOLATILES BY SW8260C
--------------------------------	--------------------------	---

MBLK		Sample ID: MBLKW-250317		Units: ug/L		Analysis Date: 17-Mar-2025 10:37			
Client ID:		Run ID: VOA14_508849		SeqNo: 8731167		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 0.20	1.0							
Ethylbenzene	< 0.30	1.0							
m,p-Xylene	< 0.50	2.0							
o-Xylene	< 0.30	1.0							
Toluene	< 0.20	1.0							
Xylenes, Total	< 0.30	3.0							
<i>Surr: 1,2-Dichloroethane-d4</i>	45.86	1.0	50	0	91.7	70 - 123			
<i>Surr: 4-Bromofluorobenzene</i>	53.08	1.0	50	0	106	77 - 113			
<i>Surr: Dibromofluoromethane</i>	53.43	1.0	50	0	107	73 - 126			
<i>Surr: Toluene-d8</i>	52.3	1.0	50	0	105	81 - 120			

LCS		Sample ID: VLCSW-2500317		Units: ug/L		Analysis Date: 17-Mar-2025 09:24			
Client ID:		Run ID: VOA14_508849		SeqNo: 8731165		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.75	1.0	20	0	104	74 - 120			
Ethylbenzene	18.98	1.0	20	0	94.9	77 - 117			
m,p-Xylene	37.93	2.0	40	0	94.8	77 - 122			
o-Xylene	19.3	1.0	20	0	96.5	75 - 119			
Toluene	19.71	1.0	20	0	98.6	77 - 118			
Xylenes, Total	57.23	3.0	60	0	95.4	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	48.95	1.0	50	0	97.9	70 - 123			
<i>Surr: 4-Bromofluorobenzene</i>	53.56	1.0	50	0	107	77 - 113			
<i>Surr: Dibromofluoromethane</i>	56.35	1.0	50	0	113	73 - 126			
<i>Surr: Toluene-d8</i>	51.63	1.0	50	0	103	81 - 120			

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R508849 (0) **Instrument:** VOA14 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD		Sample ID: VLCS DW-2500317		Units: ug/L		Analysis Date: 17-Mar-2025 09:48				
Client ID:		Run ID: VOA14_508849		SeqNo: 8731166		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.29	1.0	20	0	101	74 - 120	20.75	2.22	20	
Ethylbenzene	19.56	1.0	20	0	97.8	77 - 117	18.98	2.99	20	
m,p-Xylene	38.48	2.0	40	0	96.2	77 - 122	37.93	1.43	20	
o-Xylene	19.22	1.0	20	0	96.1	75 - 119	19.3	0.384	20	
Toluene	19.32	1.0	20	0	96.6	77 - 118	19.71	2.03	20	
Xylenes, Total	57.7	3.0	60	0	96.2	75 - 122	57.23	0.825	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	48.38	1.0	50	0	96.8	70 - 123	48.95	1.16	20	
<i>Surr: 4-Bromofluorobenzene</i>	52.69	1.0	50	0	105	77 - 113	53.56	1.65	20	
<i>Surr: Dibromofluoromethane</i>	54.8	1.0	50	0	110	73 - 126	56.35	2.8	20	
<i>Surr: Toluene-d8</i>	49.37	1.0	50	0	98.7	81 - 120	51.63	4.46	20	

The following samples were analyzed in this batch: HS25030678-02 HS25030678-03 HS25030678-04 HS25030678-05
 HS25030678-06

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R509478 (0)	Instrument: VOA14	Method: LOW LEVEL VOLATILES BY SW8260C
--------------------------------	--------------------------	---

MBLK	Sample ID: MBLK-250325	Units: ug/L		Analysis Date: 25-Mar-2025 10:51						
Client ID:	Run ID: VOA14_509478	SeqNo: 8743721	PrepDate:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Ethylbenzene	< 0.30	1.0								
m,p-Xylene	< 0.50	2.0								
o-Xylene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	52.2	1.0	50	0	104	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	52.68	1.0	50	0	105	77 - 113				
<i>Surr: Dibromofluoromethane</i>	51.73	1.0	50	0	103	73 - 126				
<i>Surr: Toluene-d8</i>	51.69	1.0	50	0	103	81 - 120				

LCS	Sample ID: LCS-250325	Units: ug/L		Analysis Date: 25-Mar-2025 09:38						
Client ID:	Run ID: VOA14_509478	SeqNo: 8743725	PrepDate:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.86	1.0	20	0	99.3	74 - 120				
Ethylbenzene	19.64	1.0	20	0	98.2	77 - 117				
m,p-Xylene	39.55	2.0	40	0	98.9	77 - 122				
o-Xylene	19.32	1.0	20	0	96.6	75 - 119				
Toluene	19.6	1.0	20	0	98.0	77 - 118				
Xylenes, Total	58.87	3.0	60	0	98.1	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	55.56	1.0	50	0	111	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	55.32	1.0	50	0	111	77 - 113				
<i>Surr: Dibromofluoromethane</i>	55.15	1.0	50	0	110	73 - 126				
<i>Surr: Toluene-d8</i>	51.02	1.0	50	0	102	81 - 120				

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

QC BATCH REPORT

Batch ID: R509478 (0) **Instrument:** VOA14 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD	Sample ID: LCSD-250325	Units: ug/L			Analysis Date: 25-Mar-2025 10:02					
Client ID:	Run ID: VOA14_509478	SeqNo: 8743720	PrepDate:	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.8	1.0	20	0	94.0	74 - 120	19.86	5.48	20	
Ethylbenzene	19.1	1.0	20	0	95.5	77 - 117	19.64	2.75	20	
m,p-Xylene	38.31	2.0	40	0	95.8	77 - 122	39.55	3.18	20	
o-Xylene	19.2	1.0	20	0	96.0	75 - 119	19.32	0.592	20	
Toluene	18.93	1.0	20	0	94.6	77 - 118	19.6	3.47	20	
Xylenes, Total	57.52	3.0	60	0	95.9	75 - 122	58.87	2.32	20	
Surr: 1,2-Dichloroethane-d4	55.84	1.0	50	0	112	70 - 123	55.56	0.515	20	
Surr: 4-Bromofluorobenzene	54.14	1.0	50	0	108	77 - 113	55.32	2.15	20	
Surr: Dibromofluoromethane	53.08	1.0	50	0	106	73 - 126	55.15	3.82	20	
Surr: Toluene-d8	50.82	1.0	50	0	102	81 - 120	51.02	0.391	20	

The following samples were analyzed in this batch: HS25030678-08

Revision: 1

ALS Houston, US

Date: 03-Apr-26

Client: TRC Corporation
Project: HEP WTX Q1
WorkOrder: HS25030678

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

ALS Houston, US

Date: 03-Apr-26

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Alaska	25-006	31-May-2026
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	30-Jun-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L26-121	31-Mar-2028
Dept of Defense	L26-127	31-Mar-2028
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2026	30-Apr-2027
Louisiana	LA028	31-Dec-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Maryland	343-2025-26	30-Jun-2026
Michigan	9971-2025	30-Apr-2026
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707-2026	01-Apr-2027
North Carolina	624-2026	31-Dec-2026
Oklahoma	2026-078	31-Dec-2026
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	TX-C25-00104	30-Apr-2026
Utah	TX026932025-17	31-Jul-2026

ALS Houston, US

Date: 03-Apr-26

Sample Receipt Checklist

Work Order ID: HS25030678

Date/Time Received: 13-Mar-2025 09:20

Client Name: TRC-AUS

Received by: Si Ma

Completed By: /S/ Si Ma	15-Mar-2025 13:28	Reviewed by: /S/ Alexis Dorenbosch	17-Mar-2025 15:34
eSignature	Date/Time	eSignature	Date/Time

Matrices: **GW** Carrier name: **FedEx Priority Overnight**

- 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
- VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No Not Present
- Chain of custody present? Yes No 1 Page(s)
- Chain of custody signed when relinquished and received? Yes No COC IDs:331472
- Samplers name present on COC? 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
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):	0.9UC/0.9C , 1.5UC/1.5C	IR34
Cooler(s)/Kit(s):	53317 / 44493	
Date/Time sample(s) sent to storage:	03/15/2025 13:30	

- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A
- pH adjusted? Yes No N/A

pH adjusted by:

Login Notes: All Trip Blank Received Not On COC Place on Hold
COC Collection No ID, Sample Label ID = DUP-01

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 233 5336
Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511
Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: **331472**

ALS Project Manager:

HS25030678

TRC Corporation
HEP-ATX 01



Customer Information

Purchase Order	Project Name
Work Order	Project Number
Company Name	Bill To Company
Send Report To	Invoice Ath
Address	Address
City/State/Zip	City/State/Zip
Phone	Phone
Fax	Fax
e-Mail Address	e-Mail Address

Project Information

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-5	3-11-25	1207	GW	1,8	6	X	X	X								
2	MW-3	3-11-25	1325	GW	1,8	6	X	X	X								
3	MW-4	3-11-25	1426	GW	1,8	6	X	X	X								
4	AC-001	3-11-25	1447	GW	1,8	6	X	X	X								
5	EB-001	3-11-25	1505	GW	1,8	6	X	X	X								
6	MW-2	3-12-25	0954	GW	1,8	6	X	X	X								
7		3-12-25	0000	W	1,8	6	X	X	X								
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Nick Bonagan Shipment Method: Fed Ex Required Turnaround Time: (Check Box) Results Due Date: _____

Relinquished by: Nick Bonagan Date: 3-12-25 Time: 1400 Received by: gmn Date: 03/13/25 Time: 09:20

Relinquished by: Nick Bonagan Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Checked by (Laboratory): _____


Notes: _____

Cooler Temp: 4.3 QC Package: (Check One Box Below)


Cooler Temp: 4.3

Cooler Temp: 1.5

Note: 1. Any changes must be made in writing once samples and CXC form have been submitted to ALS Environmental.
2. Unless otherwise specified in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>gm</i>
	Date: <u>3-12-25</u>	Time: <u>1400</u>	Date: <u>03/13/25</u>
	Name: <u>Nikki Donegan</u>		Company: <u>TRC</u>

44493 MAR 13 2025

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: <i>gm</i>
	Date: <u>3-12-25</u>	Time: <u>1400</u>	Date: <u>03/13/25</u>
	Name: <u>Nikki Donegan</u>		Company: <u>TRC</u>



44493

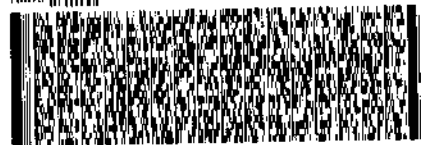
ORIGIN ID: SGRA (512) 862-8621
 NIKKI DONEGAN
 TRC CORPORATION
 3489 ANGEL FACE
 EL PASO, TX 79936
 UNITED STATES US

SHIP DATE: 05MAR25
 ACTWT: 1.00 LB MAN
 CAD: 0221247/CAFE3855
 DIMS: 13x16x13 IN

TO **SAMPLE RECEIVING**
ALS GROUP USA
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

(281) 530-5656
 REF: HEP WTX = BO 196260 - AN

RMA: 011111




FedEx
 TRK# 7386 7931 9271
 0221


THU - 13 MAR 10:30A IT
 PRIORITY OVERNIGHT IT

AB SGRA

77099 19
 TX-US IAH



 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL Date: 3-12-25 Time: 1400 Name: Nikki Donegan Company: TRC	Seal Broken By: [Signature] Date: 03/13/25
		53317 MAR 13 2025

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL Date: 3-12-25 Time: 1400 Name: Nikki Donegan Company: TRC	Seal Broken By: [Signature] Date: 03/13/25
		53317



ORIGIN ID:SGRA (S12) 992-962:
 NIKKI DONEGAN
 TRC CORPORATION
 3489 ANGEL FACE

SHIP DATE: 05MAR25
 ACTWGT: 1.00 LB MAN
 CAC: 0221247/CAFE3855
 DIMS: 19x15x13 IN

EL PASO, TX 79936
 UNITED STATES US

TO **SAMPLE RECEIVING**
ALS GROUP USA
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099

(281) 530-6666
 REF: HEP WTX = BQ 106260 - AN

FedEx
 TRK#: 7386 7931 9260

THU - 13 MAR 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US IAH



4345011 03/12 58C13/S002/CC04



Analytical Data Review Checklist

Site: WTX (Klein Ranch) Location: Southwest of Monument, NM Client Name: HEP Project #: 648862	Laboratory: ALS (Houston, TX) Lab Report #: HS25030678 Reviewer: A. Eljuri Peer Reviewer: J. Esser Review Date: 3/28/2025
---	--

Analytical Method(s): BTEX by Method SW8260C; TPH GRO by Method SW8015C; TPH DRO/ORO by Method SW8015C	Matrices Sampled: Groundwater, aqueous quality control (QC) sample	Sample Collection Date(s): March 11 and 12, 2025
--	--	--

Sampling Objective(s): Analyze groundwater for routine monitoring.
--

Sample IDs (List IDs or attach COC): Refer to data package sample summary.
--

Review Item or Question	Y	N	NA	Comments
Chain-of-Custody and Data Completeness				
1		X		The COC did not list the two trip blanks included in the cooler. It was requested by the TRC project manager to run one of the trip blanks (Trip Blank CG-010825-299) for BTEX (Lab ID HS25030678-08). There was no sample name listed on the COC for Lab ID HS25030678-07. The TRC project manager informed the laboratory the sample name was DUP-01. Sample DUP-01 was incorrectly noted as water on the COC instead of groundwater. It was not indicated on the COC to report TPH ORO on all samples except the trip blank. This was subsequently requested by the TRC project manager.
2	X			See Item 1.
3	X			
4	X			The laboratory revised the report on 03/27/2025 to include sample Trip Blank CG-010825-299 analyzed for BTEX. The laboratory reported TPH ORO for method SW8015C, which is not offered for accreditation.
5	X			
6	X			
7		X		See Item 1.
8			X	
9			X	All results were nondetect.
10	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			TPH GRO and BTEX were preserved with hydrochloric acid.
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?			X	
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?	X			See Item 1.
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All nondetect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments
Blanks				
19		X		
20	X			
21		X		Equipment Blank: EB-001 Ambient Conditions Blank: AC-001 Trip Blank: Trip Blank CG-010825-299
22			X	
Laboratory Control Spikes				
23	X			
24	X			
25	X			
Matrix Spikes				
26			X	
27			X	
Surrogates				
28	X			ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.
Duplicates Note: If not performed on a project sample, evaluation is not required.				
29			X	
30	X			Field duplicate pair DUP-01 and MW-2 results were all nondetect. No RPD evaluation was required.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments
Do the Data Make Sense?				
31		X		
32		X		
33		X		
34			X	
Additional Comments: None.				

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes
 COC = Chain-of-Custody
 DRO = Diesel Range Organics
 EDD = Electronic Data Deliverable
 GRO = Gasoline Range Organics
 LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
 MS/MSD = Matrix Spike / Matrix Spike Duplicate
 NELAP = National Environmental Laboratory Accreditation Program
 ORO = Oil Range Organics
 QAPP = Quality Assurance Project Plan
 QC = Quality Control
 %R = Percent Recovery
 RPD = Relative Percent Difference = $100\% \times |(A-B)/((A+B)/2)|$
 TPH = Total Petroleum Hydrocarbon



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 12, 2025

Audrey Eljuri
TRC Corporation
505 East Huntland Drive
Suite 250
Austin, TX 78752

Work Order: **HS25060242**

Laboratory Results for: **HEP WTX Q2**

Dear Audrey Eljuri,

ALS Environmental received 8 sample(s) on Jun 05, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy C. Neir'.

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits.
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

**TRRP Laboratory Data
Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by TCEQ or _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir

Laboratory Name: ALS Laboratory Group		LRC Date: 06/12/2025					
Project Name: HEP WTX Q2		Laboratory Job Number: HS25060242					
Reviewer Name: Andy Neir		Prep Batch Number(s): 228952,R515115,R515134,R515158,R55167					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			1
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable); NA = Not Applicable; NR = Not Reviewed; R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group				LRC Date: 06/12/2025			
Project Name: HEP WTX Q2				Laboratory Job Number: HS25060242			
Reviewer Name: Andy Neir				Prep Batch Number(s): 228952,R515115,R515134,R515158,R55167			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);

NA = Not Applicable; NR = Not Reviewed;

R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 06/12/2025
Project Name: HEP WTX Q2	Laboratory Number: HS25060242
Reviewer Name: Andy Neir	Prep Batch Number(s): 228952,R515115,R515134,R515158,R55167
ER# ⁵	Description
1	<p>Batch 228952, DRO Method SW8015, LCS/LCSD provided as batch quality control in lieu of MS/MSD</p> <p>Batch R515115, GRO Method SW8015 LCS/LCSD provided as batch quality control in lieu of MS/MSD</p> <p>Batch R515134, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p> <p>Batch R515158, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p> <p>Batch R515167, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p>
<p>Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);</p> <p>NA = Not Applicable;</p> <p>NR = Not Reviewed;</p> <p>R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p>	

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
Work Order: HS25060242

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25060242-01	MW-5	Groundwater		03-Jun-2025 10:55	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-02	MW-4	Groundwater		03-Jun-2025 12:00	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-03	MW-3	Groundwater		03-Jun-2025 13:15	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-04	MW-2	Groundwater		03-Jun-2025 14:10	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-05	DUP 1	Groundwater		03-Jun-2025 00:00	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-06	EB-06-03-25	Water		03-Jun-2025 16:02	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-07	TB-06-03-25-A	Water	CG-050625 -147	03-Jun-2025 00:00	05-Jun-2025 09:05	<input type="checkbox"/>
HS25060242-08	TB-06-03-25-B	Water	CG-050625 -087	03-Jun-2025 00:00	05-Jun-2025 09:05	<input type="checkbox"/>

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: MW-5
 Collection Date: 03-Jun-2025 10:55

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-01
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 17:15
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 17:15
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 17:15
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 17:15
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 17:15
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 17:15
Surr: 1,2-Dichloroethane-d4	111			70-126	%REC	1	11-Jun-2025 17:15
Surr: 4-Bromofluorobenzene	113			77-113	%REC	1	11-Jun-2025 17:15
Surr: Dibromofluoromethane	105			77-123	%REC	1	11-Jun-2025 17:15
Surr: Toluene-d8	107			82-127	%REC	1	11-Jun-2025 17:15
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 17:34
Surr: 4-Bromofluorobenzene	123			70-123	%REC	1	09-Jun-2025 17:34
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	0.0225	J	0.00400	0.0500	mg/L	1	10-Jun-2025 21:26
ORO (>C28-C40)	0.0301	J	0.00400	0.0500	mg/L	1	10-Jun-2025 21:26
Surr: 2-Fluorobiphenyl	69.5			60-135	%REC	1	10-Jun-2025 21:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: MW-4
 Collection Date: 03-Jun-2025 12:00

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-02
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 12:12
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 12:12
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 12:12
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 12:12
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 12:12
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 12:12
Surr: 1,2-Dichloroethane-d4	88.5			70-126	%REC	1	11-Jun-2025 12:12
Surr: 4-Bromofluorobenzene	96.1			77-113	%REC	1	11-Jun-2025 12:12
Surr: Dibromofluoromethane	89.0			77-123	%REC	1	11-Jun-2025 12:12
Surr: Toluene-d8	93.4			82-127	%REC	1	11-Jun-2025 12:12
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 17:47
Surr: 4-Bromofluorobenzene	121			70-123	%REC	1	09-Jun-2025 17:47
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	0.0103	J	0.00400	0.0500	mg/L	1	10-Jun-2025 21:49
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	10-Jun-2025 21:49
Surr: 2-Fluorobiphenyl	65.2			60-135	%REC	1	10-Jun-2025 21:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: MW-3
 Collection Date: 03-Jun-2025 13:15

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-03
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 12:36
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 12:36
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 12:36
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 12:36
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 12:36
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 12:36
Surr: 1,2-Dichloroethane-d4	97.2			70-126	%REC	1	11-Jun-2025 12:36
Surr: 4-Bromofluorobenzene	101			77-113	%REC	1	11-Jun-2025 12:36
Surr: Dibromofluoromethane	99.4			77-123	%REC	1	11-Jun-2025 12:36
Surr: Toluene-d8	97.8			82-127	%REC	1	11-Jun-2025 12:36
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 18:01
Surr: 4-Bromofluorobenzene	122			70-123	%REC	1	09-Jun-2025 18:01
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	0.0150	J	0.00400	0.0500	mg/L	1	10-Jun-2025 22:12
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	10-Jun-2025 22:12
Surr: 2-Fluorobiphenyl	75.3			60-135	%REC	1	10-Jun-2025 22:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: MW-2
 Collection Date: 03-Jun-2025 14:10

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-04
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 13:00
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 13:00
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 13:00
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 13:00
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 13:00
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 13:00
Surr: 1,2-Dichloroethane-d4	98.6			70-126	%REC	1	11-Jun-2025 13:00
Surr: 4-Bromofluorobenzene	100			77-113	%REC	1	11-Jun-2025 13:00
Surr: Dibromofluoromethane	99.0			77-123	%REC	1	11-Jun-2025 13:00
Surr: Toluene-d8	96.7			82-127	%REC	1	11-Jun-2025 13:00
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 18:14
Surr: 4-Bromofluorobenzene	122			70-123	%REC	1	09-Jun-2025 18:14
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	0.00901	J	0.00400	0.0500	mg/L	1	10-Jun-2025 22:35
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	10-Jun-2025 22:35
Surr: 2-Fluorobiphenyl	70.7			60-135	%REC	1	10-Jun-2025 22:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: DUP 1
 Collection Date: 03-Jun-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-05
 Matrix:Groundwater

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 13:24
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 13:24
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 13:24
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 13:24
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 13:24
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 13:24
Surr: 1,2-Dichloroethane-d4	96.7			70-126	%REC	1	11-Jun-2025 13:24
Surr: 4-Bromofluorobenzene	101			77-113	%REC	1	11-Jun-2025 13:24
Surr: Dibromofluoromethane	99.0			77-123	%REC	1	11-Jun-2025 13:24
Surr: Toluene-d8	99.3			82-127	%REC	1	11-Jun-2025 13:24
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 18:28
Surr: 4-Bromofluorobenzene	122			70-123	%REC	1	09-Jun-2025 18:28
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	0.00769	J	0.00400	0.0500	mg/L	1	10-Jun-2025 22:59
ORO (>C28-C40)	0.00836	J	0.00400	0.0500	mg/L	1	10-Jun-2025 22:59
Surr: 2-Fluorobiphenyl	65.7			60-135	%REC	1	10-Jun-2025 22:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: EB-06-03-25
 Collection Date: 03-Jun-2025 16:02

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-06
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 10:25
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 10:25
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 10:25
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 10:25
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 10:25
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 10:25
Surr: 1,2-Dichloroethane-d4	105			70-126	%REC	1	11-Jun-2025 10:25
Surr: 4-Bromofluorobenzene	105			77-113	%REC	1	11-Jun-2025 10:25
Surr: Dibromofluoromethane	95.5			77-123	%REC	1	11-Jun-2025 10:25
Surr: Toluene-d8	101			82-127	%REC	1	11-Jun-2025 10:25
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	09-Jun-2025 17:20
Surr: 4-Bromofluorobenzene	121			70-123	%REC	1	09-Jun-2025 17:20
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 09-Jun-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	10-Jun-2025 23:22
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	10-Jun-2025 23:22
Surr: 2-Fluorobiphenyl	88.0			60-135	%REC	1	10-Jun-2025 23:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: TB-06-03-25-A
 Collection Date: 03-Jun-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-07
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 10:47
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 10:47
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 10:47
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 10:47
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 10:47
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 10:47
Surr: 1,2-Dichloroethane-d4	108			70-126	%REC	1	11-Jun-2025 10:47
Surr: 4-Bromofluorobenzene	106			77-113	%REC	1	11-Jun-2025 10:47
Surr: Dibromofluoromethane	96.9			77-123	%REC	1	11-Jun-2025 10:47
Surr: Toluene-d8	102			82-127	%REC	1	11-Jun-2025 10:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
 Project: HEP WTX Q2
 Sample ID: TB-06-03-25-B
 Collection Date: 03-Jun-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25060242
 Lab ID:HS25060242-08
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: DP			
Benzene	< 0.00028		0.00028	0.0020	mg/L	1	11-Jun-2025 11:09
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 11:09
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	11-Jun-2025 11:09
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	11-Jun-2025 11:09
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	11-Jun-2025 11:09
Xylenes, Total	< 0.00092		0.00092	0.0030	mg/L	1	11-Jun-2025 11:09
Surr: 1,2-Dichloroethane-d4	105			70-126	%REC	1	11-Jun-2025 11:09
Surr: 4-Bromofluorobenzene	99.4			77-113	%REC	1	11-Jun-2025 11:09
Surr: Dibromofluoromethane	95.9			77-123	%REC	1	11-Jun-2025 11:09
Surr: Toluene-d8	99.4			82-127	%REC	1	11-Jun-2025 11:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 12-Jun-25

Weight / Prep Log

Client: TRC Corporation

Project: HEP WTX Q2

WorkOrder: HS25060242

Batch ID: 228952

Start Date: 09 Jun 2025 12:11

End Date: 09 Jun 2025 12:11

Method: AQPREP: 3510C TPH

Prep Code: 8015WPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25060242-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25060242-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25060242-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25060242-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25060242-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25060242-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 228952 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25060242-06	EB-06-03-25	03 Jun 2025 16:02		09 Jun 2025 12:11	10 Jun 2025 23:22	1
Batch ID: 228952 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: Groundwater	
HS25060242-01	MW-5	03 Jun 2025 10:55		09 Jun 2025 12:11	10 Jun 2025 21:26	1
HS25060242-02	MW-4	03 Jun 2025 12:00		09 Jun 2025 12:11	10 Jun 2025 21:49	1
HS25060242-03	MW-3	03 Jun 2025 13:15		09 Jun 2025 12:11	10 Jun 2025 22:12	1
HS25060242-04	MW-2	03 Jun 2025 14:10		09 Jun 2025 12:11	10 Jun 2025 22:35	1
HS25060242-05	DUP 1	03 Jun 2025 00:00		09 Jun 2025 12:11	10 Jun 2025 22:59	1
Batch ID: R515115 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25060242-06	EB-06-03-25	03 Jun 2025 16:02			09 Jun 2025 17:20	1
Batch ID: R515115 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Groundwater	
HS25060242-01	MW-5	03 Jun 2025 10:55			09 Jun 2025 17:34	1
HS25060242-02	MW-4	03 Jun 2025 12:00			09 Jun 2025 17:47	1
HS25060242-03	MW-3	03 Jun 2025 13:15			09 Jun 2025 18:01	1
HS25060242-04	MW-2	03 Jun 2025 14:10			09 Jun 2025 18:14	1
HS25060242-05	DUP 1	03 Jun 2025 00:00			09 Jun 2025 18:28	1
Batch ID: R515134 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS25060242-02	MW-4	03 Jun 2025 12:00			11 Jun 2025 12:12	1
HS25060242-03	MW-3	03 Jun 2025 13:15			11 Jun 2025 12:36	1
HS25060242-04	MW-2	03 Jun 2025 14:10			11 Jun 2025 13:00	1
HS25060242-05	DUP 1	03 Jun 2025 00:00			11 Jun 2025 13:24	1
Batch ID: R515158 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25060242-06	EB-06-03-25	03 Jun 2025 16:02			11 Jun 2025 10:25	1
HS25060242-07	TB-06-03-25-A	03 Jun 2025 00:00			11 Jun 2025 10:47	1
HS25060242-08	TB-06-03-25-B	03 Jun 2025 00:00			11 Jun 2025 11:09	1
Batch ID: R515167 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Groundwater	
HS25060242-01	MW-5	03 Jun 2025 10:55			11 Jun 2025 17:15	1

ALS Houston, US

Date: 12-Jun-25

WorkOrder: HS25060242
 InstrumentID: FID23
 Test Code: 8015M_DRO_W
 Test Number: SW8015M
 Test Name: Diesel Range Organics by

**METHOD DETECTION /
 REPORTING LIMITS**

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	DRO C10-C35	DRO C10-C35	0.0250	0.0211	0.00400	0.0500
A	ORO (>C28-C40)	C28-C40	0.0250	0	0.00400	0.0500
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00500

ALS Houston, US

Date: 12-Jun-25

WorkOrder: HS25060242
InstrumentID: FID-20
Test Code: 8015_GRO_W
Test Number: SW8015
Test Name: Gasoline Range Organics by

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Gasoline Range Organics	PHC610GRO	0.100	0.101	0.0200	0.200
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.00500

ALS Houston, US

Date: 12-Jun-25

WorkOrder: HS25060242
 InstrumentID: VOA11
 Test Code: 8260_LL_W
 Test Number: SW8260
 Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00070	0.00028	0.0020
A	Ethylbenzene	100-41-4	0.00050	0.00066	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.00050	0.0012	0.00061	0.0040
A	o-Xylene	95-47-6	0.00050	0.00056	0.00031	0.0020
A	Toluene	108-88-3	0.00050	0.00071	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.00050	0.0018	0.00092	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

ALS Houston, US

Date: 12-Jun-25

WorkOrder: HS25060242

InstrumentID: VOA14

Test Code: 8260_LL_W

Test Number: SW8260

Test Name: Low Level Volatiles by SW8260C

**METHOD DETECTION /
REPORTING LIMITS****Matrix:** Aqueous**Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00071	0.00028	0.0020
A	Ethylbenzene	100-41-4	0.00050	0.00075	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.0010	0.0015	0.00061	0.0040
A	o-Xylene	95-47-6	0.00050	0.00072	0.00031	0.0020
A	Toluene	108-88-3	0.00050	0.00078	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.0015	0.0022	0.00092	0.0030
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: 228952 (0)	Instrument: FID23	Method: DIESEL RANGE ORGANICS BY SW8015C
-------------------------------	--------------------------	---

MBLK	Sample ID: MBLK-228952	Units: mg/L	Analysis Date: 10-Jun-2025 17:10							
Client ID:	Run ID: FID23_515240	SeqNo: 8884874	PrepDate: 09-Jun-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	< 0.00400	0.0500								
ORO (>C28-C40)	< 0.00400	0.0500								
Surr: 2-Fluorobiphenyl	0.07848	0.00500	0.1	0	78.5	60 - 135				

LCS	Sample ID: LCS-228952	Units: mg/L	Analysis Date: 10-Jun-2025 16:23							
Client ID:	Run ID: FID23_515240	SeqNo: 8884872	PrepDate: 09-Jun-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.7148	0.0500	1	0	71.5	60 - 135				
ORO (>C28-C40)	0.6744	0.0500	1	0	67.4	60 - 135				
Surr: 2-Fluorobiphenyl	0.07229	0.00500	0.1	0	72.3	60 - 135				

LCSD	Sample ID: LCSD-228952	Units: mg/L	Analysis Date: 10-Jun-2025 16:46							
Client ID:	Run ID: FID23_515240	SeqNo: 8884873	PrepDate: 09-Jun-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.7985	0.0500	1	0	79.8	60 - 135	0.7148	11.1	20	
ORO (>C28-C40)	0.7522	0.0500	1	0	75.2	60 - 135	0.6744	10.9	20	
Surr: 2-Fluorobiphenyl	0.0781	0.00500	0.1	0	78.1	60 - 135	0.07229	7.73	20	

The following samples were analyzed in this batch: HS25060242-01 HS25060242-02 HS25060242-03 HS25060242-04
 HS25060242-05 HS25060242-06

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515115 (0)	Instrument: FID-20	Method: GASOLINE RANGE ORGANICS BY SW8015C
--------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-250609	Units: mg/L	Analysis Date: 09-Jun-2025 16:53							
Client ID:	Run ID: FID-20_515115	SeqNo: 8882326	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.1156	0.00500	0.1	0	116	70 - 121				

LCS	Sample ID: LCS-250609	Units: mg/L	Analysis Date: 09-Jun-2025 16:26							
Client ID:	Run ID: FID-20_515115	SeqNo: 8882324	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	1.079	0.200	1	0	108	76 - 124				
Surr: 4-Bromofluorobenzene	0.1018	0.00500	0.1	0	102	52 - 138				

LCSD	Sample ID: LCSD-250609	Units: mg/L	Analysis Date: 09-Jun-2025 16:39							
Client ID:	Run ID: FID-20_515115	SeqNo: 8882325	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	1.181	0.200	1	0	118	76 - 124	1.079	9.06	20	
Surr: 4-Bromofluorobenzene	0.1029	0.00500	0.1	0	103	52 - 138	0.1018	1.07	20	

The following samples were analyzed in this batch:

HS25060242-01	HS25060242-02	HS25060242-03	HS25060242-04
HS25060242-05	HS25060242-06		

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515134 (0) **Instrument:** VOA14 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK		Units: ug/L		Analysis Date: 11-Jun-2025 03:30				
Client ID:		Run ID: VOA14_515134		SeqNo: 8882725		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.28	2.0								
Ethylbenzene	< 0.33	2.0								
m,p-Xylene	< 0.61	4.0								
o-Xylene	< 0.31	2.0								
Toluene	< 0.33	2.0								
Xylenes, Total	< 0.92	3.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	47.63	1.0	50	0	95.3	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	50.49	1.0	50	0	101	77 - 113				
<i>Surr: Dibromofluoromethane</i>	48.34	1.0	50	0	96.7	73 - 126				
<i>Surr: Toluene-d8</i>	49.04	1.0	50	0	98.1	81 - 120				

LCS		Sample ID: LCS		Units: ug/L		Analysis Date: 11-Jun-2025 02:18				
Client ID:		Run ID: VOA14_515134		SeqNo: 8882723		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.98	2.0	20	0	115	74 - 120				
Ethylbenzene	22.09	2.0	20	0	110	77 - 117				
m,p-Xylene	44.7	4.0	40	0	112	77 - 122				
o-Xylene	22.09	2.0	20	0	110	75 - 119				
Toluene	22.01	2.0	20	0	110	77 - 118				
Xylenes, Total	66.79	3.0	60	0	111	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	51.15	1.0	50	0	102	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	48.72	1.0	50	0	97.4	77 - 113				
<i>Surr: Dibromofluoromethane</i>	51.19	1.0	50	0	102	73 - 126				
<i>Surr: Toluene-d8</i>	48.85	1.0	50	0	97.7	81 - 120				

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515134 (0) **Instrument:** VOA14 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD		Sample ID: LCSD		Units: ug/L		Analysis Date: 11-Jun-2025 02:42				
Client ID:		Run ID: VOA14_515134		SeqNo: 8882724		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.14	2.0	20	0	111	74 - 120	22.98	3.71	20	
Ethylbenzene	20.82	2.0	20	0	104	77 - 117	22.09	5.94	20	
m,p-Xylene	41.35	4.0	40	0	103	77 - 122	44.7	7.77	20	
o-Xylene	21.15	2.0	20	0	106	75 - 119	22.09	4.36	20	
Toluene	21.2	2.0	20	0	106	77 - 118	22.01	3.75	20	
Xylenes, Total	62.5	3.0	60	0	104	75 - 122	66.79	6.63	20	
Surr: 1,2-Dichloroethane-d4	48.82	1.0	50	0	97.6	70 - 123	51.15	4.66	20	
Surr: 4-Bromofluorobenzene	47.96	1.0	50	0	95.9	77 - 113	48.72	1.56	20	
Surr: Dibromofluoromethane	47.59	1.0	50	0	95.2	73 - 126	51.19	7.29	20	
Surr: Toluene-d8	48.57	1.0	50	0	97.1	81 - 120	48.85	0.583	20	

The following samples were analyzed in this batch: HS25060242-02 HS25060242-03 HS25060242-04 HS25060242-05

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515158 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK		Units: ug/L		Analysis Date: 11-Jun-2025 01:40				
Client ID:		Run ID: VOA11_515158		SeqNo: 8883203		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.28	2.0								
Ethylbenzene	< 0.33	2.0								
m,p-Xylene	< 0.61	4.0								
o-Xylene	< 0.31	2.0								
Toluene	< 0.33	2.0								
Xylenes, Total	< 0.92	3.0								
Surr: 1,2-Dichloroethane-d4	53.35	1.0	50	0	107	70 - 123				
Surr: 4-Bromofluorobenzene	53.49	1.0	50	0	107	77 - 113				
Surr: Dibromofluoromethane	49.54	1.0	50	0	99.1	73 - 126				
Surr: Toluene-d8	51.04	1.0	50	0	102	81 - 120				

LCS		Sample ID: LCS		Units: ug/L		Analysis Date: 11-Jun-2025 00:12				
Client ID:		Run ID: VOA11_515158		SeqNo: 8883208		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.31	2.0	20	0	91.6	74 - 120				
Ethylbenzene	19.84	2.0	20	0	99.2	77 - 117				
m,p-Xylene	39.78	4.0	40	0	99.4	77 - 122				
o-Xylene	19.76	2.0	20	0	98.8	75 - 119				
Toluene	19.22	2.0	20	0	96.1	77 - 118				
Xylenes, Total	59.53	3.0	60	0	99.2	75 - 122				
Surr: 1,2-Dichloroethane-d4	54.01	1.0	50	0	108	70 - 123				
Surr: 4-Bromofluorobenzene	51.17	1.0	50	0	102	77 - 113				
Surr: Dibromofluoromethane	50.77	1.0	50	0	102	73 - 126				
Surr: Toluene-d8	50.25	1.0	50	0	101	81 - 120				

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515158 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD	Sample ID: LCSD	Units: ug/L			Analysis Date: 11-Jun-2025 00:34					
Client ID:	Run ID: VOA11_515158	SeqNo: 8883209	PrepDate:	DF: 1						
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.7	2.0	20	0	93.5	74 - 120	18.31	2.08	20	
Ethylbenzene	19.86	2.0	20	0	99.3	77 - 117	19.84	0.0806	20	
m,p-Xylene	40	4.0	40	0	100.0	77 - 122	39.78	0.552	20	
o-Xylene	19.64	2.0	20	0	98.2	75 - 119	19.76	0.594	20	
Toluene	19.14	2.0	20	0	95.7	77 - 118	19.22	0.438	20	
Xylenes, Total	59.64	3.0	60	0	99.4	75 - 122	59.53	0.173	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	55.63	1.0	50	0	111	70 - 123	54.01	2.96	20	
<i>Surr: 4-Bromofluorobenzene</i>	53.68	1.0	50	0	107	77 - 113	51.17	4.8	20	
<i>Surr: Dibromofluoromethane</i>	52.3	1.0	50	0	105	73 - 126	50.77	2.96	20	
<i>Surr: Toluene-d8</i>	52.65	1.0	50	0	105	81 - 120	50.25	4.66	20	

The following samples were analyzed in this batch: HS25060242-06 HS25060242-07 HS25060242-08

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515167 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK		Units: ug/L		Analysis Date: 11-Jun-2025 16:52				
Client ID:		Run ID: VOA11_515167		SeqNo: 8883457		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.28	2.0								
Ethylbenzene	< 0.33	2.0								
m,p-Xylene	< 0.61	4.0								
o-Xylene	< 0.31	2.0								
Toluene	< 0.33	2.0								
Xylenes, Total	< 0.92	3.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	55.16	1.0	50	0	110	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	54.52	1.0	50	0	109	77 - 113				
<i>Surr: Dibromofluoromethane</i>	51.4	1.0	50	0	103	73 - 126				
<i>Surr: Toluene-d8</i>	52.93	1.0	50	0	106	81 - 120				

LCS		Sample ID: LCS		Units: ug/L		Analysis Date: 11-Jun-2025 15:46				
Client ID:		Run ID: VOA11_515167		SeqNo: 8883455		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.88	2.0	20	0	94.4	74 - 120				
Ethylbenzene	19.98	2.0	20	0	99.9	77 - 117				
m,p-Xylene	40	4.0	40	0	100	77 - 122				
o-Xylene	19.67	2.0	20	0	98.4	75 - 119				
Toluene	19.4	2.0	20	0	97.0	77 - 118				
Xylenes, Total	59.67	3.0	60	0	99.5	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	53.32	1.0	50	0	107	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	53.44	1.0	50	0	107	77 - 113				
<i>Surr: Dibromofluoromethane</i>	52.73	1.0	50	0	105	73 - 126				
<i>Surr: Toluene-d8</i>	52.96	1.0	50	0	106	81 - 120				

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

QC BATCH REPORT

Batch ID: R515167 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD		Sample ID: LCSD		Units: ug/L		Analysis Date: 11-Jun-2025 16:08				
Client ID:		Run ID: VOA11_515167		SeqNo: 8883456		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.65	2.0	20	0	93.3	74 - 120	18.88	1.18	20	
Ethylbenzene	19.35	2.0	20	0	96.7	77 - 117	19.98	3.21	20	
m,p-Xylene	39.63	4.0	40	0	99.1	77 - 122	40	0.927	20	
o-Xylene	19.55	2.0	20	0	97.7	75 - 119	19.67	0.627	20	
Toluene	19.22	2.0	20	0	96.1	77 - 118	19.4	0.942	20	
Xylenes, Total	59.18	3.0	60	0	98.6	75 - 122	59.67	0.828	20	
Surr: 1,2-Dichloroethane-d4	51.33	1.0	50	0	103	70 - 123	53.32	3.8	20	
Surr: 4-Bromofluorobenzene	54.08	1.0	50	0	108	77 - 113	53.44	1.18	20	
Surr: Dibromofluoromethane	53.59	1.0	50	0	107	73 - 126	52.73	1.62	20	
Surr: Toluene-d8	52.7	1.0	50	0	105	81 - 120	52.96	0.481	20	

The following samples were analyzed in this batch: HS25060242-01

ALS Houston, US

Date: 12-Jun-25

Client: TRC Corporation
Project: HEP WTX Q2
WorkOrder: HS25060242

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 12-Jun-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Maryland	343 - 2025	30-Jun-2025
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008	30-Jun-2025
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 12-Jun-25

Sample Receipt Checklist

Work Order ID: HS25060242

Date/Time Received: 05-Jun-2025 09:05

Client Name: TRC-AUS

Received by: Edgar Zheku

Completed By: /S/ Edgar Zheku	05-Jun-2025 18:20	Reviewed by: /S/ Andy C. Neir	05-Jun-2025 21:24
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**

Carrier name: **FedEx**

- 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
- VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No Not Present
- Chain of custody present? Yes No 1 Page(s)
- Chain of custody signed when relinquished and received? Yes No COC IDs:337830
- Samplers name present on COC? 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
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):	3.5UC/3.5C, 2.7UC/2.7C	IR 34
Cooler(s)/Kit(s):	53744, 49773	
Date/Time sample(s) sent to storage:	06/05/2025 18:20	

- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A
- pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



Cincinnati, OH
+1 513 733 5336

Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 337830

Houston, TX
+1 281 530 5656

Middletown, PA
+1 717 944 5541


Spring City, PA
+1 610 948 4903

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3166

York, PA
+1 717 505 5280

ALS Project Manager: _____ ALS Work Order #: _____

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order	340285	Project Name	HEP WTX Q2	A	226 - 11 - VC(BETX) - (2xVOA PC)										
Work Order		Project Number		B	30 - 1 - DRD - VV(NO'S DRD) - (2xVOA PC)										
Company Name	TRC Corporation	Bill To Company	TRC Corporation	C	30 - 1 - DRD - VV - (2x1 Lit)										
Send Report To	Jane J Siofel	Invoice Attn	TRC-AP	D											
Address	505 East Huntland Drive Suite 250	Address	505 East Huntland Drive Suite 250	E	<div style="text-align: center;"> HS25060242 TRC Corporation HEP WTX Q2 </div> 										
City/State/Zip	Austin, TX 78767	City/State/Zip	Austin, TX 78767	F											
Phone	(512) 329-6080	Phone	(512) 329-6080	G											
Fax	(512) 329-8750	Fax	(512) 329-8750	H											
e-Mail Address	jsiofel@trc.companies.com	e-Mail Address	jiofel@trc.companies.com	I											
				J											


No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-5	6.3.25	1055	1,8	GW	8	X	X	X								
2	MW-4	6.3.25	1200	1,8	GW	8	X	X	X								
3	MW-3	6.3.25	1315	1,8	GW	8	X	X	X								
4	MW-2	6.3.25	1410	1,8	GW	8	X	X	X								
5	DUP1	6.3.25	0000	1,8	GW	8	X	X	X								
6	EB-06.03.25	6.3.25	1602	1,8	W	8	X	X	X								
7	TB-06.03.25.A	6.3.25	0000	1,8	W	2	X	X	X								
8	TB-06.03.25.B	6.3.25	0000	1,8	W	2	X	X	X								
9																	
10																	

Sampler(s) Please Print & Sign <i>Nikki Donegan</i>		Shipment Method Fed Ex		Required Turnaround Time: (Check Box) <input type="checkbox"/> 1-2 Business Days <input checked="" type="checkbox"/> 3-5 Business Days <input type="checkbox"/> Next Day <input type="checkbox"/> 24 Hr				Results Due Date:			
Relinquished by: <i>Nikki Donegan</i>	Date: 6.3.25	Time: 0700	Received by:	Notes: HEP WTX to EMSU							
Relinquished by:	Date:	Time:	Received by (Laboratory): <i>6/3/25 CR:OS</i>	Cooler ID: 5374	Cooler Temp.: 3.5	QC Package: (Check One Box Below)					
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	49757	2.2						

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.

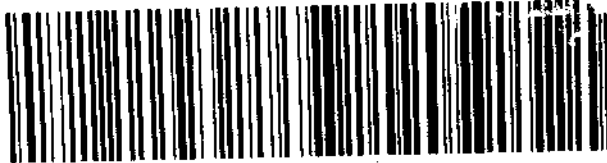
Copyright 2011 by ALS Environmental.

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUS' TODY SEAL		Seal Broken By:
	Date: 6-4-25	Time: 0700	Date:
Name: Nikki Donegan			
Company: TRC			

FedEx

TRK# 4345 8799 1850
0221

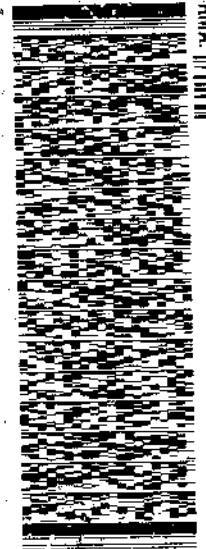
AB SGRA



585 455/0692

1002303160610007709900434587991850
 SP-PD:100Y
 TP: 91
253-3063FL
 77099-4338-60
 602398
 4772 THU 06/05 08:28
 ALS GROUP USA
 10450 STANCLIFF RD
 HOUSTON TX

05/26



RMA: H IIII III

(281) 580-5656
REF: HEP WTX 107571

HOUSTON TX 77099
SUITE 210
10450 STANCLIFF RD
ALS GROUP USA

TO SAMPLE RECEIVING

EL PASO, TX 79936
UNITED STATES US
ORIGIN 10:SGRR (512) 962-8621
NIKKI DONEGAN
TRC CORPORATION
3489 ANGEL FACE

SHIP DATE: 20250625
ACTWGT: 4.50 LB
CADD: 0281277
DIMS: 26x14x14 IN



J24:0240/0420R24R

589C4/EA36/FE25

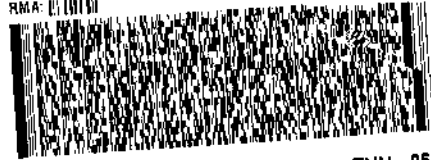
ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	Seal Broken By:	Date:
	Date: 6-9	Name: TRC
	Company:	

ORIGIN ID: SGRA (512) 962-8821
 NIKKI DONEGAN
 TRC CORPORATION
 3489 ANGEL FACE
 EL PASO, TX 79936
 UNITED STATES US

SHIP DATE: 20MAY25
 ACTWT: 4.50 LB PAK
 CAD: 0221247CRF3855
 DIMS: 26x14x14 IN.

TO **SAMPLE RECEIVING**
ALS GROUP USA
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
 (281) 630-5858
 REF: NEP WTX 107571

RMA: 001010



FedEx

TRK# 0221

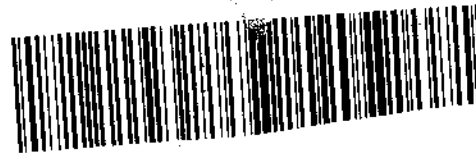
4345 8799 1872

THU - 05 JUN 5:00P
STANDARD OVERNIGHT

AB SGRA

77099

TX-US IAH



Rd., Suite 210 77099 5856 5887	CUSTODY SEAL		Seal Broken By:
	Date: 6-9-25	Time: 0706	Date:
	Name: NIKKI DONEGAN	Company: TRC	



Analytical Data Review Checklist

Site: WTX (Klein Ranch) Location: Southwest of Monument, NM Client Name: HEP Project #: 648862	Laboratory: ALS (Houston, TX) Lab Report #: HS25060242 Reviewer: J. Esser Peer Reviewer: N. Bergstrom Review Date: 6/30/2025
---	---

Analytical Method(s): BTEX by Method SW8260C; TPH GRO by Method SW8015C; TPH DRO/ORO by Method SW8015C	Matrices Sampled: Groundwater, aqueous quality control (QC) sample	Sample Collection Date(s): June 3, 2025
--	--	---

Sampling Objective(s): Analyze groundwater for routine monitoring.
--

Sample IDs (List IDs or attach COC): Refer to data package sample summary.
--

Review Item or Question		Y	N	NA	Comments
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?		X		It was not indicated on the COC to report TPH ORO on all samples except the trip blanks. This was subsequently requested by the TRC project manager.
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			The laboratory reported TPH ORO for method SW8015C, which is not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?		X		See Item 1.
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?			X	
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?	X			
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			TPH GRO and BTEX were preserved with hydrochloric acid.
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?			X	
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All nondetect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments
QC Results				
Blanks				
19		X		
20	X			
21		X		Equipment Blank: EB-06-03-25 Trip Blanks: TB-06-03-25-A and TB-06-03-25-B No Ambient Conditions Blank
22			X	
Laboratory Control Spikes				
23	X			
24	X			
25	X			
Matrix Spikes				
26			X	The case narrative noted that LCS/LCSD was provided for all analyses in lieu of MS/MSD.
27			X	
Surrogates				
28	X			ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.
Duplicates Note: If not performed on a project sample, evaluation is not required.				
29			X	
30	X			Field duplicate pair DUP 1 and MW-2.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments
Do the Data Make Sense?				
31		X		
32		X		
33		X		
34			X	
Additional Comments: None.				

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes
 COC = Chain-of-Custody
 DRO = Diesel Range Organics
 EDD = Electronic Data Deliverable
 GRO = Gasoline Range Organics
 LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
 MS/MSD = Matrix Spike / Matrix Spike Duplicate
 ORO = Oil Range Organics
 QAPP = Quality Assurance Project Plan
 QC = Quality Control
 RPD = Relative Percent Difference = $100\% \times |(A-B)/((A+B)/2)|$
 TPH = Total Petroleum Hydrocarbon



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 25, 2025

Audrey Eljuri
TRC Corporation
505 East Huntland Drive
Suite 250
Austin, TX 78752

Work Order: **HS25090585**

Laboratory Results for: **HEP WTX Q3**

Dear Audrey Eljuri,

ALS Environmental received 9 sample(s) on Sep 12, 2025 for the analysis presented in the following report.

This is a REVISED REPORT. Please see the Case Narrative for discussion concerning this revision.

Regards,

A handwritten signature in black ink, appearing to read 'Andy C. Neir', is written over a light blue horizontal line.

Generated By: ANDREW.NEIR
Andy C. Neir
Project Manager

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits.
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

**TRRP Laboratory Data
Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by TCEQ or _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

Laboratory Name: ALS Laboratory Group			LRC Date: 09/19/2025				
Project Name: HEP WTX Q3			Laboratory Job Number: HS25090585				
Reviewer Name: Andy Neir			Prep Batch Number(s): 232892,R521827,R521842,R521867,R521938,R521938				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable); NA = Not Applicable; NR = Not Reviewed; R# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group				LRC Date: 09/19/2025			
Project Name: HEP WTX Q3				Laboratory Job Number: HS25090585			
Reviewer Name: Andy Neir				Prep Batch Number(s): 232892,R521827,R521842,R521867,R521938,R521938			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);

NA = Not Applicable; NR = Not Reviewed;

R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	
LRC Date: 09/19/2025	
Project Name: HEP WTX Q3	
Laboratory Number: HS25090585	
Reviewer Name: Andy Neir	
Prep Batch Number(s): 232892,R521827,R521842,R521867,R521938,R521938	
ER# ⁵	Description
1	Volatiles Method SW8260, samples MW-5, MW-3, MW-4, MW-2 surrogate 1,2-Dichloroethane-d4 recovered above the control limit. Samples are ND.
2	<p>Batch 232892, Diesel Range Organics Method SW8015, LCS/LCSD provided as batch quality control in lieu of MS/MSD</p> <p>Batch R521842, Gasoline Rane Organics Method SW8015, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p> <p>Batch R5218938 Gasoline Rane Organics Method SW8015 Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p> <p>Batch R521827, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p> <p>Batch R521867, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.</p>
3	<p>LOGIN- 1 of 2 vials broken for TB-02.</p> <p>Revised final report on 9/24/2025 with ORO results added.</p>
<p>Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</p> <p>O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);</p> <p>NA = Not Applicable;</p> <p>NR = Not Reviewed;</p> <p>R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</p>	

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
Work Order: HS25090585

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25090585-01	MW-5	GW		11-Sep-2025 08:20	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-02	MW-3	GW		11-Sep-2025 09:15	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-03	MW-4	GW		11-Sep-2025 10:14	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-04	MW-2	GW		11-Sep-2025 11:14	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-05	DUP-01	GW		11-Sep-2025 00:00	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-06	AC-01	Water		11-Sep-2025 11:42	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-07	EB-01	Water		11-Sep-2025 11:55	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-08	TB-01	Water	CG-081225 -096	11-Sep-2025 00:00	12-Sep-2025 09:10	<input type="checkbox"/>
HS25090585-09	TB-02	Water	CG-081225 -059	11-Sep-2025 00:00	12-Sep-2025 09:10	<input type="checkbox"/>

Revision:1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: MW-5
 Collection Date: 11-Sep-2025 08:20

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-01
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 04:49
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 04:49
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 04:49
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 04:49
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 04:49
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 04:49
Surr: 1,2-Dichloroethane-d4	133	S		70-126	%REC	1	16-Sep-2025 04:49
Surr: 4-Bromofluorobenzene	109			77-113	%REC	1	16-Sep-2025 04:49
Surr: Dibromofluoromethane	119			77-123	%REC	1	16-Sep-2025 04:49
Surr: Toluene-d8	95.6			82-127	%REC	1	16-Sep-2025 04:49
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	15-Sep-2025 14:42
Surr: 4-Bromofluorobenzene	109			70-123	%REC	1	15-Sep-2025 14:42
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	0.0698		0.00400	0.0500	mg/L	1	16-Sep-2025 23:39
ORO (>C28-C40)	0.260		0.00400	0.0500	mg/L	1	16-Sep-2025 23:39
Surr: 2-Fluorobiphenyl	83.2			60-135	%REC	1	16-Sep-2025 23:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: MW-3
 Collection Date: 11-Sep-2025 09:15

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-02
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 05:12
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:12
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 05:12
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 05:12
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:12
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 05:12
Surr: 1,2-Dichloroethane-d4	133	S		70-126	%REC	1	16-Sep-2025 05:12
Surr: 4-Bromofluorobenzene	111			77-113	%REC	1	16-Sep-2025 05:12
Surr: Dibromofluoromethane	119			77-123	%REC	1	16-Sep-2025 05:12
Surr: Toluene-d8	95.5			82-127	%REC	1	16-Sep-2025 05:12
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	15-Sep-2025 14:56
Surr: 4-Bromofluorobenzene	119			70-123	%REC	1	15-Sep-2025 14:56
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 00:03
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 00:03
Surr: 2-Fluorobiphenyl	78.1			60-135	%REC	1	17-Sep-2025 00:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: MW-4
 Collection Date: 11-Sep-2025 10:14

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-03
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 05:35
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:35
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 05:35
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 05:35
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:35
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 05:35
Surr: 1,2-Dichloroethane-d4	141	S		70-126	%REC	1	16-Sep-2025 05:35
Surr: 4-Bromofluorobenzene	108			77-113	%REC	1	16-Sep-2025 05:35
Surr: Dibromofluoromethane	117			77-123	%REC	1	16-Sep-2025 05:35
Surr: Toluene-d8	95.4			82-127	%REC	1	16-Sep-2025 05:35
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	15-Sep-2025 15:09
Surr: 4-Bromofluorobenzene	114			70-123	%REC	1	15-Sep-2025 15:09
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	0.00752	J	0.00400	0.0500	mg/L	1	17-Sep-2025 00:26
ORO (>C28-C40)	0.00741	J	0.00400	0.0500	mg/L	1	17-Sep-2025 00:26
Surr: 2-Fluorobiphenyl	86.6			60-135	%REC	1	17-Sep-2025 00:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: MW-2
 Collection Date: 11-Sep-2025 11:14

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-04
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 05:57
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:57
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 05:57
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 05:57
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:57
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 05:57
Surr: 1,2-Dichloroethane-d4	128	S		70-126	%REC	1	16-Sep-2025 05:57
Surr: 4-Bromofluorobenzene	109			77-113	%REC	1	16-Sep-2025 05:57
Surr: Dibromofluoromethane	116			77-123	%REC	1	16-Sep-2025 05:57
Surr: Toluene-d8	97.1			82-127	%REC	1	16-Sep-2025 05:57
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	15-Sep-2025 15:23
Surr: 4-Bromofluorobenzene	116			70-123	%REC	1	15-Sep-2025 15:23
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 00:49
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 00:49
Surr: 2-Fluorobiphenyl	76.2			60-135	%REC	1	17-Sep-2025 00:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: DUP-01
 Collection Date: 11-Sep-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-05
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 06:20
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 06:20
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 06:20
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 06:20
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 06:20
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 06:20
Surr: 1,2-Dichloroethane-d4	125			70-126	%REC	1	16-Sep-2025 06:20
Surr: 4-Bromofluorobenzene	110			77-113	%REC	1	16-Sep-2025 06:20
Surr: Dibromofluoromethane	114			77-123	%REC	1	16-Sep-2025 06:20
Surr: Toluene-d8	96.8			82-127	%REC	1	16-Sep-2025 06:20
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	16-Sep-2025 15:03
Surr: 4-Bromofluorobenzene	114			70-123	%REC	1	16-Sep-2025 15:03
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 01:13
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 01:13
Surr: 2-Fluorobiphenyl	82.4			60-135	%REC	1	17-Sep-2025 01:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: AC-01
 Collection Date: 11-Sep-2025 11:42

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-06
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 06:43
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 06:43
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 06:43
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 06:43
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 06:43
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 06:43
Surr: 1,2-Dichloroethane-d4	124			70-126	%REC	1	16-Sep-2025 06:43
Surr: 4-Bromofluorobenzene	108			77-113	%REC	1	16-Sep-2025 06:43
Surr: Dibromofluoromethane	115			77-123	%REC	1	16-Sep-2025 06:43
Surr: Toluene-d8	96.9			82-127	%REC	1	16-Sep-2025 06:43
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	16-Sep-2025 15:17
Surr: 4-Bromofluorobenzene	116			70-123	%REC	1	16-Sep-2025 15:17
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 01:36
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	17-Sep-2025 01:36
Surr: 2-Fluorobiphenyl	82.0			60-135	%REC	1	17-Sep-2025 01:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: EB-01
 Collection Date: 11-Sep-2025 11:55

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-07
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 05:47
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:47
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 05:47
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 05:47
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:47
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 05:47
Surr: 1,2-Dichloroethane-d4	115			70-126	%REC	1	16-Sep-2025 05:47
Surr: 4-Bromofluorobenzene	91.5			77-113	%REC	1	16-Sep-2025 05:47
Surr: Dibromofluoromethane	108			77-123	%REC	1	16-Sep-2025 05:47
Surr: Toluene-d8	91.1			82-127	%REC	1	16-Sep-2025 05:47
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: LC			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	15-Sep-2025 11:33
Surr: 4-Bromofluorobenzene	111			70-123	%REC	1	15-Sep-2025 11:33
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 15-Sep-2025		Analyst: SAM	
DRO C10-C35	0.0793		0.00400	0.0500	mg/L	1	16-Sep-2025 10:13
ORO (>C28-C40)	0.308		0.00400	0.0500	mg/L	1	16-Sep-2025 10:13
Surr: 2-Fluorobiphenyl	77.7			60-135	%REC	1	16-Sep-2025 10:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: TB-01
 Collection Date: 11-Sep-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-08
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 05:23
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:23
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 05:23
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 05:23
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 05:23
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 05:23
Surr: 1,2-Dichloroethane-d4	112			70-126	%REC	1	16-Sep-2025 05:23
Surr: 4-Bromofluorobenzene	95.9			77-113	%REC	1	16-Sep-2025 05:23
Surr: Dibromofluoromethane	105			77-123	%REC	1	16-Sep-2025 05:23
Surr: Toluene-d8	90.6			82-127	%REC	1	16-Sep-2025 05:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
 Project: HEP WTX Q3
 Sample ID: TB-02
 Collection Date: 11-Sep-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25090585
 Lab ID:HS25090585-09
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: LA			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	16-Sep-2025 04:58
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 04:58
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	16-Sep-2025 04:58
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	16-Sep-2025 04:58
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	16-Sep-2025 04:58
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	16-Sep-2025 04:58
Surr: 1,2-Dichloroethane-d4	113			70-126	%REC	1	16-Sep-2025 04:58
Surr: 4-Bromofluorobenzene	94.9			77-113	%REC	1	16-Sep-2025 04:58
Surr: Dibromofluoromethane	109			77-123	%REC	1	16-Sep-2025 04:58
Surr: Toluene-d8	92.7			82-127	%REC	1	16-Sep-2025 04:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Weight / Prep Log

Client: TRC Corporation

Project: HEP WTX Q3

WorkOrder: HS25090585

Batch ID: 232892

Start Date: 15 Sep 2025 11:49

End Date: 15 Sep 2025 11:49

Method: AQPREP: 3510C TPH

Prep Code: 8015WPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25090585-01		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-02		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-03		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-04		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-05		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-06		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25090585-07		1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 232892 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25090585-06	AC-01	11 Sep 2025 11:42		15 Sep 2025 11:49	17 Sep 2025 01:36	1
HS25090585-07	EB-01	11 Sep 2025 11:55		15 Sep 2025 11:49	16 Sep 2025 10:13	1
Batch ID: 232892 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: GW	
HS25090585-01	MW-5	11 Sep 2025 08:20		15 Sep 2025 11:49	16 Sep 2025 23:39	1
HS25090585-02	MW-3	11 Sep 2025 09:15		15 Sep 2025 11:49	17 Sep 2025 00:03	1
HS25090585-03	MW-4	11 Sep 2025 10:14		15 Sep 2025 11:49	17 Sep 2025 00:26	1
HS25090585-04	MW-2	11 Sep 2025 11:14		15 Sep 2025 11:49	17 Sep 2025 00:49	1
HS25090585-05	DUP-01	11 Sep 2025 00:00		15 Sep 2025 11:49	17 Sep 2025 01:13	1
Batch ID: R521827 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25090585-06	AC-01	11 Sep 2025 11:42			16 Sep 2025 06:43	1
Batch ID: R521827 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: GW	
HS25090585-01	MW-5	11 Sep 2025 08:20			16 Sep 2025 04:49	1
HS25090585-02	MW-3	11 Sep 2025 09:15			16 Sep 2025 05:12	1
HS25090585-03	MW-4	11 Sep 2025 10:14			16 Sep 2025 05:35	1
HS25090585-04	MW-2	11 Sep 2025 11:14			16 Sep 2025 05:57	1
HS25090585-05	DUP-01	11 Sep 2025 00:00			16 Sep 2025 06:20	1
Batch ID: R521842 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25090585-07	EB-01	11 Sep 2025 11:55			15 Sep 2025 11:33	1
Batch ID: R521842 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: GW	
HS25090585-01	MW-5	11 Sep 2025 08:20			15 Sep 2025 14:42	1
HS25090585-02	MW-3	11 Sep 2025 09:15			15 Sep 2025 14:56	1
HS25090585-03	MW-4	11 Sep 2025 10:14			15 Sep 2025 15:09	1
HS25090585-04	MW-2	11 Sep 2025 11:14			15 Sep 2025 15:23	1
Batch ID: R521867 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25090585-07	EB-01	11 Sep 2025 11:55			16 Sep 2025 05:47	1
HS25090585-08	TB-01	11 Sep 2025 00:00			16 Sep 2025 05:23	1
HS25090585-09	TB-02	11 Sep 2025 00:00			16 Sep 2025 04:58	1
Batch ID: R521938 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25090585-06	AC-01	11 Sep 2025 11:42			16 Sep 2025 15:17	1
Batch ID: R521938 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: GW	
HS25090585-05	DUP-01	11 Sep 2025 00:00			16 Sep 2025 15:03	1

Revision: 1

ALS Houston, US

Date: 25-Sep-25

WorkOrder: HS25090585
 InstrumentID: FID23
 Test Code: 8015M_DRO_W
 Test Number: SW8015M
 Test Name: Diesel Range Organics by

**METHOD DETECTION /
 REPORTING LIMITS**

Matrix: Aqueous

Units: mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	DRO C10-C35	DRO C10-C35	0.0250	0.0182	0.00400	0.0500
A	ORO (>C28-C40)	C28-C40	0.0250	0.0176	0.00400	0.0500
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00500

Revision:1

ALS Houston, US

Date: 25-Sep-25

WorkOrder: HS25090585
InstrumentID: FID-20
Test Code: 8015_GRO_W
Test Number: SW8015
Test Name: Gasoline Range Organics by

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Gasoline Range Organics	PHC610GRO	0.100	0.133	0.0200	0.200
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.00500

Revision:1

ALS Houston, US

Date: 25-Sep-25

WorkOrder: HS25090585
 InstrumentID: VOA13
 Test Code: 8260_LL_W
 Test Number: SW8260
 Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00048	0.00028	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00084	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.0020	0.0015	0.00061	0.0040
A	o-Xylene	95-47-6	0.0010	0.00085	0.00031	0.0020
A	Toluene	108-88-3	0.0010	0.00084	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.0030	0.0023	0.00092	0.0060
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

ALS Houston, US

Date: 25-Sep-25

WorkOrder: HS25090585
 InstrumentID: VOA14
 Test Code: 8260_LL_W
 Test Number: SW8260
 Test Name: Low Level Volatiles by SW8260C

**METHOD DETECTION /
 REPORTING LIMITS**

Matrix: Aqueous

Units: mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00059	0.00028	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00098	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.0020	0.0022	0.00061	0.0040
A	o-Xylene	95-47-6	0.0010	0.0010	0.00031	0.0020
A	Toluene	108-88-3	0.0010	0.0011	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.0030	0.0032	0.00092	0.0060
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

Revision:1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: 232892 (0)	Instrument: FID23	Method: DIESEL RANGE ORGANICS BY SW8015C
-------------------------------	--------------------------	---

MBLK	Sample ID: MBLK-232892	Units: mg/L	Analysis Date: 16-Sep-2025 07:52							
Client ID:	Run ID: FID23_521915	SeqNo: 9035190	PrepDate: 15-Sep-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	< 0.00400	0.0500								
ORO (>C28-C40)	< 0.00400	0.0500								
Surr: 2-Fluorobiphenyl	0.06781	0.00500	0.1	0	67.8	60 - 135				

LCS	Sample ID: LCS-232892	Units: mg/L	Analysis Date: 16-Sep-2025 08:16							
Client ID:	Run ID: FID23_521915	SeqNo: 9035191	PrepDate: 15-Sep-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.6718	0.0500	1	0	67.2	60 - 135				
ORO (>C28-C40)	0.7482	0.0500	1	0	74.8	60 - 135				
Surr: 2-Fluorobiphenyl	0.06888	0.00500	0.1	0	68.9	60 - 135				

LCSD	Sample ID: LCSD-232892	Units: mg/L	Analysis Date: 16-Sep-2025 08:39							
Client ID:	Run ID: FID23_521915	SeqNo: 9035192	PrepDate: 15-Sep-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.744	0.0500	1	0	74.4	60 - 135	0.6718	10.2	20	
ORO (>C28-C40)	0.8827	0.0500	1	0	88.3	60 - 135	0.7482	16.5	20	
Surr: 2-Fluorobiphenyl	0.07387	0.00500	0.1	0	73.9	60 - 135	0.06888	6.99	20	

The following samples were analyzed in this batch:	HS25090585-01	HS25090585-02	HS25090585-03	HS25090585-04
	HS25090585-05	HS25090585-06	HS25090585-07	

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521842 (0)	Instrument: FID-20	Method: GASOLINE RANGE ORGANICS BY SW8015C
--------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-250915	Units: mg/L	Analysis Date: 15-Sep-2025 11:06							
Client ID:	Run ID: FID-20_521842	SeqNo: 9033414	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.109	0.00500	0.1	0	109	70 - 121				

LCS	Sample ID: LCS-250915	Units: mg/L	Analysis Date: 15-Sep-2025 10:39							
Client ID:	Run ID: FID-20_521842	SeqNo: 9033412	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	0.953	0.200	1	0	95.3	76 - 124				
Surr: 4-Bromofluorobenzene	0.093	0.00500	0.1	0	93.0	52 - 138				

LCSD	Sample ID: LCSD-250915	Units: mg/L	Analysis Date: 15-Sep-2025 10:52							
Client ID:	Run ID: FID-20_521842	SeqNo: 9033413	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	0.916	0.200	1	0	91.6	76 - 124	0.953	3.96	20	
Surr: 4-Bromofluorobenzene	0.09	0.00500	0.1	0	90.0	52 - 138	0.093	3.28	20	

The following samples were analyzed in this batch:

HS25090585-01	HS25090585-02	HS25090585-03	HS25090585-04
HS25090585-07			

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521938 (0) **Instrument:** FID-20 **Method:** GASOLINE RANGE ORGANICS BY SW8015C

MBLK Sample ID: **MBLK-250916** Units: **mg/L** Analysis Date: **16-Sep-2025 14:36**
 Client ID: Run ID: **FID-20_521938** SeqNo: **9035709** PrepDate: DF: **1**
 Analyte Result MQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD RPD Limit Qual

Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.108	0.00500	0.1	0	108	70 - 121				

LCS Sample ID: **LCS-250916** Units: **mg/L** Analysis Date: **16-Sep-2025 14:09**
 Client ID: Run ID: **FID-20_521938** SeqNo: **9035707** PrepDate: DF: **1**
 Analyte Result MQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD RPD Limit Qual

Gasoline Range Organics	0.896	0.200	1	0	89.6	76 - 124				
Surr: 4-Bromofluorobenzene	0.088	0.00500	0.1	0	88.0	52 - 138				

LCSD Sample ID: **LCSD-250916** Units: **mg/L** Analysis Date: **16-Sep-2025 14:22**
 Client ID: Run ID: **FID-20_521938** SeqNo: **9035708** PrepDate: DF: **1**
 Analyte Result MQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD RPD Limit Qual

Gasoline Range Organics	0.925	0.200	1	0	92.5	76 - 124	0.896	3.19	20	
Surr: 4-Bromofluorobenzene	0.086	0.00500	0.1	0	86.0	52 - 138	0.088	2.3	20	

The following samples were analyzed in this batch:

HS25090585-05	HS25090585-06
---------------	---------------

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521827 (0) **Instrument:** VOA13 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK-091525		Units: ug/L		Analysis Date: 15-Sep-2025 23:07			
Client ID:		Run ID: VOA13_521827		SeqNo: 9032974		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 0.28	1.0							
Ethylbenzene	< 0.33	2.0							
m,p-Xylene	< 0.61	4.0							
o-Xylene	< 0.31	2.0							
Toluene	< 0.33	2.0							
Xylenes, Total	< 0.92	6.0							
<i>Surr: 1,2-Dichloroethane-d4</i>	53.95	1.0	50	0	108	70 - 123			
<i>Surr: 4-Bromofluorobenzene</i>	53.85	1.0	50	0	108	77 - 113			
<i>Surr: Dibromofluoromethane</i>	54.51	1.0	50	0	109	73 - 126			
<i>Surr: Toluene-d8</i>	49.82	1.0	50	0	99.6	81 - 120			

LCS		Sample ID: LCS-091525		Units: ug/L		Analysis Date: 15-Sep-2025 21:59			
Client ID:		Run ID: VOA13_521827		SeqNo: 9032979		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.93	1.0	20	0	105	74 - 120			
Ethylbenzene	19.9	2.0	20	0	99.5	77 - 117			
m,p-Xylene	40.23	4.0	40	0	101	77 - 122			
o-Xylene	19.85	2.0	20	0	99.3	75 - 119			
Toluene	20.43	2.0	20	0	102	77 - 118			
Xylenes, Total	60.08	6.0	60	0	100	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	53.93	1.0	50	0	108	70 - 123			
<i>Surr: 4-Bromofluorobenzene</i>	50.85	1.0	50	0	102	77 - 113			
<i>Surr: Dibromofluoromethane</i>	53.17	1.0	50	0	106	73 - 126			
<i>Surr: Toluene-d8</i>	50.7	1.0	50	0	101	81 - 120			

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521827 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C						
LCSD	Sample ID: LCSD-091525	Units: ug/L			Analysis Date: 15-Sep-2025 22:22					
Client ID:	Run ID: VOA13_521827	SeqNo: 9032973		PrepDate:		DF: 1				
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.98	1.0	20	0	105	74 - 120	20.93	0.262	20	
Ethylbenzene	19.58	2.0	20	0	97.9	77 - 117	19.9	1.63	20	
m,p-Xylene	40.14	4.0	40	0	100	77 - 122	40.23	0.224	20	
o-Xylene	19.85	2.0	20	0	99.3	75 - 119	19.85	0.0101	20	
Toluene	20.35	2.0	20	0	102	77 - 118	20.43	0.417	20	
Xylenes, Total	59.99	6.0	60	0	100.0	75 - 122	60.08	0.147	20	
Surr: 1,2-Dichloroethane-d4	54.12	1.0	50	0	108	70 - 123	53.93	0.354	20	
Surr: 4-Bromofluorobenzene	51.51	1.0	50	0	103	77 - 113	50.85	1.3	20	
Surr: Dibromofluoromethane	53.58	1.0	50	0	107	73 - 126	53.17	0.761	20	
Surr: Toluene-d8	50.52	1.0	50	0	101	81 - 120	50.7	0.369	20	

The following samples were analyzed in this batch:

HS25090585-01	HS25090585-02	HS25090585-03	HS25090585-04
HS25090585-05	HS25090585-06		

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521867 (0) **Instrument:** VOA14 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK		Units: ug/L		Analysis Date: 16-Sep-2025 03:22				
Client ID:		Run ID: VOA14_521867		SeqNo: 9033886		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.28	1.0								
Ethylbenzene	< 0.33	2.0								
m,p-Xylene	< 0.61	4.0								
o-Xylene	< 0.31	2.0								
Toluene	< 0.33	2.0								
Xylenes, Total	< 0.92	6.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	54.29	1.0	50	0	109	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	47.22	1.0	50	0	94.4	77 - 113				
<i>Surr: Dibromofluoromethane</i>	51.95	1.0	50	0	104	73 - 126				
<i>Surr: Toluene-d8</i>	45.87	1.0	50	0	91.7	81 - 120				

LCS		Sample ID: LCS		Units: ug/L		Analysis Date: 16-Sep-2025 02:09				
Client ID:		Run ID: VOA14_521867		SeqNo: 9033884		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.86	1.0	20	0	94.3	74 - 120				
Ethylbenzene	19.05	2.0	20	0	95.3	77 - 117				
m,p-Xylene	37.71	4.0	40	0	94.3	77 - 122				
o-Xylene	19.15	2.0	20	0	95.8	75 - 119				
Toluene	19.34	2.0	20	0	96.7	77 - 118				
Xylenes, Total	56.86	6.0	60	0	94.8	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	55.09	1.0	50	0	110	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	47.6	1.0	50	0	95.2	77 - 113				
<i>Surr: Dibromofluoromethane</i>	51.34	1.0	50	0	103	73 - 126				
<i>Surr: Toluene-d8</i>	46.69	1.0	50	0	93.4	81 - 120				

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

QC BATCH REPORT

Batch ID: R521867 (0)		Instrument: VOA14		Method: LOW LEVEL VOLATILES BY SW8260C						
LCSD	Sample ID: LCSD	Units: ug/L			Analysis Date: 16-Sep-2025 02:34					
Client ID:	Run ID: VOA14_521867	SeqNo: 9033885		PrepDate:			DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Benzene	18.18	1.0	20	0	90.9	74 - 120	18.86	3.7	20
Ethylbenzene	18.22	2.0	20	0	91.1	77 - 117	19.05	4.44	20
m,p-Xylene	37.03	4.0	40	0	92.6	77 - 122	37.71	1.82	20
o-Xylene	18.41	2.0	20	0	92.0	75 - 119	19.15	3.96	20
Toluene	18.81	2.0	20	0	94.0	77 - 118	19.34	2.77	20
Xylenes, Total	55.44	6.0	60	0	92.4	75 - 122	56.86	2.54	20
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>51</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>70 - 123</i>	<i>55.09</i>	<i>7.71</i>	<i>20</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>47.15</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>94.3</i>	<i>77 - 113</i>	<i>47.6</i>	<i>0.952</i>	<i>20</i>
<i>Surr: Dibromofluoromethane</i>	<i>49.02</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.0</i>	<i>73 - 126</i>	<i>51.34</i>	<i>4.62</i>	<i>20</i>
<i>Surr: Toluene-d8</i>	<i>44.07</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>88.1</i>	<i>81 - 120</i>	<i>46.69</i>	<i>5.77</i>	<i>20</i>

The following samples were analyzed in this batch: HS25090585-07 HS25090585-08 HS25090585-09

Revision: 1

ALS Houston, US

Date: 25-Sep-25

Client: TRC Corporation
Project: HEP WTX Q3
WorkOrder: HS25090585

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 25-Sep-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	TX-C25-00104	30-Apr-2026

ALS Houston, US

Date: 25-Sep-25

Sample Receipt Checklist

Work Order ID: HS25090585

Date/Time Received: 12-Sep-2025 09:10

Client Name: TRC-AUS

Received by: Belinda Gomez

Completed By: /S/ Kaycee Rogers	13-Sep-2025 11:45	Reviewed by: /S/ Rochelle Davis	15-Sep-2025 11:05
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**

Carrier name: **FedEx**

- 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
- VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No Not Present
- Chain of custody present? Yes No 1 Page(s)
- Chain of custody signed when relinquished and received? Yes No COC IDs:348969
- Samplers name present on COC? 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
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):	3.9UC/3.9C, 0.2UC/0.2C	IR 34
Cooler(s)/Kit(s):	51996, 54088	
Date/Time sample(s) sent to storage:	09/13/2025 1145	

- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No N/A
- pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:

Client Contacted: _____ Date Contacted: _____ Person Contacted: _____

Contacted By: _____ Regarding: _____

Comments:

Corrective Action:



Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 348969

Houston, TX
+1 281 530 5656


Middletown, PA
+1 717 944 5541

Spring City, PA
+1 610 948 4903

Salt Lake City, UT
+1 801 266 7700

South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280


Customer Information		ALS Project Manager:				ALS Work Order #:	
Purchase Order	648862	Project Name	HEP WTX Q3		A	8260_LL_W(BETX) - [3xVOA HCl]	
Work Order		Project Number			B	8015_GRO_W(8015 GRO) - [3xVOA HCl]	
Company Name	TRC Corporation	Bill To Company	TRC Corporation		C	8015M_DRO_W - [2x1 Liter]	
Send Report To	Jared Stoffel	Invoice Attn	TRC-AP		D	<p style="text-align: center;">HS25090585</p> <p style="text-align: center;">TRC Corporation HEP WTX Q3</p> 	
Address	505 East Huntland Drive Suite 250	Address	505 East Huntland Drive Suite 250		E		
City/State/Zip	Austin, TX 78752	City/State/Zip	Austin TX 78752		F		
Phone	(512) 329-6080	Phone	(512) 329-6080		G		
Fax	(512) 329-8750	Fax	(512) 329-8750		H		
Email Address	JStoffel@trccompanies.com	e-Mail Address	apinvoiceapproval@trccompanies.com		I		

Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
MW - 5	9-11-25	0820	GW	1,8	8	X	X	X								
MW - 3	9-11-25	0915	GW	1,8	8	X	X	X								
MW - 4	9-11-25	1014	GW	1,8	8	X	X	X								
MW - 2	9-11-25	1114	GW	1,8	8	X	X	X								
DUP - 01	9-11-25	0000	GW	1,8	8	X	X	X								
AC - 01	9-11-25	1142	W	1,8	8	X	X	X								
EB - 01	9-11-25	1155	W	1,8	8	X	X	X								
TB - 01	9-11-25	0000	W	1,8	2	X	W	(M)								
TB - 02	9-11-25	0000	W	1,8	2	X	W	(M)								


Shipper(s) Please Print & Sign: <i>Robert M...</i> <i>De Donagan M...</i>		Shipment Method: Fed Ex	Required Turnaround Time: (Check Box) <input type="checkbox"/> STD 10 Wk Days <input checked="" type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour	Results Due Date:
Dispatched by: <i>TRC</i> Date: 9-11-25 Time: 1430	Received by: <i>[Signature]</i> Date: 9/12/25 Time: 0800	Notes: HEP WTX to EMSU		
Dispatched by (Laboratory):	Received by (Laboratory):	Cooler ID: <i>M34</i> <i>51996</i> <i>54088</i>	Cooler Temp.: <i>0.0 J</i> <i>3.9</i> <i>0.2</i>	QC Package: (Check One Box Below) <input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> Level IV SW648/CLP <input type="checkbox"/> Other
Negative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035				

- Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
- Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
- The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	COY SEAL		Seal Broken By: _____
	Date: 9.11.25	Time: 1430	Date: _____
	Name: Robert A. Nickay	Company: TRC	

ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: _____
	Date: 9.11.25	Time: 1430	Date: _____
	Name: Robert A. Nickay	Company: TRC	

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5656 Fax. +1 281 530 5887	CUSTODY SEAL		Seal Broken By: _____
	Date: 9.11.25	Time: 1430	Date: _____
	Name: Robert A. Nickay	Company: TRC	

69468-454 RFDCE MP 05/26

ALS
 Time and Temperature Sensitive

ORIGIN ID: 5684 (512) 862-8521
 TRC CORPORATION
 3486 ANGEL FACE
 EL PASO, TX 79936
 UNITED STATES US

SHIP DATE: 27AUG25
 ACTWGT: 1.00 LB FRN
 CNO: 0221247/CPFC3908
 DIMS: 26x14x14 IN

TO SAMPLE RECEIVING
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099
 (281) 530-5656
 REF. 100050-AM - HEP WTX
 PMA: [barcode]



AB JUNA

ALS Environmental
 Client: ALS Project: Trip
 Sample ID: CG-081225-059
 Date: _____ Time: _____ Collected By: _____
 Tests: Trip Blank
 Pre: 40ml VOA.HCL Bottle Order: _____

NOT OPEN

ALS Environmental
 Client: ALS Project: Trip Blank
 Sample ID: CG-081225-096
 Date: _____ Time: _____ Collected By: _____
 Tests: Trip Blank
 Pre: 40ml VOA.HCL Bottle Order: _____



Analytical Data Review Checklist

Site: WTX (Klein Ranch) Location: Southwest of Monument, NM Client Name: HEP Project #: 648862	Laboratory: ALS (Houston, TX) Lab Report #: HS25090585 Reviewer: M. Yonts Peer Reviewer: N. Bergstrom Review Date: 9/29/2025
---	---

Analytical Method(s): BTEX by Method SW8260C; TPH GRO by Method SW8015C; TPH DRO/ORO by Method SW8015C	Matrices Sampled: Groundwater, aqueous quality control (QC) samples	Sample Collection Date(s): September 11, 2025
--	---	---

Sampling Objective(s): Analyze groundwater for routine monitoring.
--

Sample IDs (List IDs or attach COC): Refer to data package sample summary.
--

Review Item or Question	Y	N	NA	Comments
Chain-of-Custody and Data Completeness				
1	X			
2	X			
3	X			
4	X			ORO results were added for each sample on 9/24/25.
5	X			
6	X			
7	X			
8			X	
9	X			
10	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			TPH GRO and BTEX were preserved with hydrochloric acid.
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?			X	
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?		X		The laboratory review checklist exception report indicated 1 of 2 vials for sample TB-02 were received broken.
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All nondetect (ND) results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	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 (or attach field blank results).	X			Ambient Conditions Blank: AC-01; All ND Trip Blanks: TB-01 and TB-02; All ND Equipment Blank: EB-01; TPH DRO (0.0793 mg/L) and TPH ORO (0.308 mg/L)
22	Are there any potential false positive results based on questions 19 and/or 21?	X			Concentrations of TPH DRO and TPH ORO in samples MW-5 and MW-4 were within 10x the concentration in the associated equipment blank; therefore, these samples may include contributions of TPH DRO and TPH ORO from insufficient decontamination of field equipment.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
Laboratory Control Spikes					
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes					
26	Are MS/MSD recoveries within QC limits? If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.			X	The case narrative noted that LCS/LCSD was provided for all analyses in lieu of MS/MSD.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.			X	
Surrogates					
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		<p><u>MW-5, MW-3:</u> VOC surrogate 1,2-dichloroethane-d4 %Rs (133%) were above laboratory QC limits (70-126%). No sample qualification was required as the VOC results in samples MW-5 and MW-3 were ND.</p> <p><u>MW-4:</u> VOC surrogate 1,2-dichloroethane-d4 %R (141%) was above laboratory QC limits (70-126%). No sample qualification was required as the VOC results in sample MW-4 were ND.</p> <p><u>MW-2:</u> VOC surrogate 1,2-dichloroethane-d4 %R (128%) was above laboratory QC limits (70-126%). No sample qualification was required as the VOC results in sample MW-2 were ND.</p>
Duplicates Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.	X			Field duplicate pair DUP-01 and MW-2.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
Do the Data Make Sense?					
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		X		
32	Were any other potential data quality issues identified? If yes, describe issues.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?			X	
Additional Comments: None.					

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

- BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes
- COC = Chain-of-Custody
- DRO = Diesel Range Organics
- EDD = Electronic Data Deliverable
- GRO = Gasoline Range Organics
- LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
- MS/MSD = Matrix Spike / Matrix Spike Duplicate
- ND = Nondetect
- ORO = Oil Range Organics
- QAPP = Quality Assurance Project Plan
- QC = Quality Control
- RPD = Relative Percent Difference = $100\% \times |(A-B)/((A+B)/2)|$
- TPH = Total Petroleum Hydrocarbon



10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 04, 2025

Audrey Eljuri
TRC Corporation
505 East Huntland Drive
Suite 250
Austin, TX 78752

Work Order: **HS25111031**

Laboratory Results for: **HEP WTX Q4**

Dear Audrey Eljuri,

ALS Environmental received 9 sample(s) on Nov 21, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy C. Neir'.

Generated By: JUMOKE.LAWAL

Andy C. Neir
Project Manager

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

**TRRP Laboratory Data
Package Cover Page**

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC Chapter 5,
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits.
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

**TRRP Laboratory Data
Package Cover Page**

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by TCEQ or _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.



Andy C. Neir
Project Manager

Laboratory Name: ALS Laboratory Group			LRC Date: 12/04/2025				
Project Name: HEP WTX Q4			Laboratory Job Number: HS25111031				
Reviewer Name: Andy Neir			Prep Batch Number(s): 235973,R527330,R527331,R527332,R527522,R527586				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?		X			2
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable); NA = Not Applicable; NR = Not Reviewed;

R# = Exception Report Identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group				LRC Date: 12/04/2025			
Project Name: HEP WTX Q4				Laboratory Job Number: HS25111031			
Reviewer Name: Andy Neir				Prep Batch Number(s): 235973,R527330,R527331,R527332,R527522,R527586			
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);

NA = Not Applicable; NR = Not Reviewed;

R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 12/04/2025
Project Name: HEP WTX Q4	Laboratory Number: HS25111031
Reviewer Name: Andy Neir	Prep Batch Number(s): 235973,R527330,R527331,R527332,R527522,R527586
ER# ⁵	Description
1	Gasoline Range Organics Method SW8015, sample MW-2, surrogate recovery was above the upper control limits. No target analytes were detected in the sample. The high surrogate recoveries did not impact the non-detect results for target analytes.
2	Batch 235973, Diesel Range Organics Method SW8015 LCS/LCSD provided as batch quality control in lieu of MS/MSD Batch R527522, Gasoline Range Organics Method SW8015 LCS/LCSD provided as batch quality control in lieu of MS/MSD Batch R527586, Gasoline Range Organics Method SW8015, LCS/LCSD provided as batch quality control in lieu of MS/MSD Batch R527330, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control. Batch R527331, Volatiles Method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.
3	Log In Notes: Times differ for EB-11-20-25: Chain of Custody 1345; Label 1352. For sample AC-11-20-25: Chain of Custody 1352; Label: 1345
Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable); NA = Not Applicable; NR = Not Reviewed; R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).	

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
Work Order: HS25111031

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25111031-01	MW-5	GW		20-Nov-2025 09:26	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-02	MW-3	GW		20-Nov-2025 10:27	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-03	MW-4	GW		20-Nov-2025 11:23	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-04	MW-2	GW		20-Nov-2025 12:55	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-05	DUP-01	GW		20-Nov-2025 00:00	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-06	EB-11-20-25	Water		20-Nov-2025 13:45	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-07	AC-11-20-25	Water		20-Nov-2025 13:52	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-08	TB-11-20-25A	Water	CG-103025 -148	20-Nov-2025 00:00	21-Nov-2025 09:40	<input type="checkbox"/>
HS25111031-09	TB-11-20-25B	Water	CG-103025 -139	20-Nov-2025 00:00	21-Nov-2025 09:40	<input type="checkbox"/>

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: MW-5
 Collection Date: 20-Nov-2025 09:26

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-01
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 00:49
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 00:49
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 00:49
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 00:49
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 00:49
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 00:49
Surr: 1,2-Dichloroethane-d4	107			70-126	%REC	1	27-Nov-2025 00:49
Surr: 4-Bromofluorobenzene	99.4			77-113	%REC	1	27-Nov-2025 00:49
Surr: Dibromofluoromethane	107			77-123	%REC	1	27-Nov-2025 00:49
Surr: Toluene-d8	102			82-127	%REC	1	27-Nov-2025 00:49
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 08:25
Surr: 4-Bromofluorobenzene	117			70-123	%REC	1	03-Dec-2025 08:25
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	0.0210	J	0.00400	0.0500	mg/L	1	26-Nov-2025 16:17
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 16:17
Surr: 2-Fluorobiphenyl	99.7			60-135	%REC	1	26-Nov-2025 16:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: MW-3
 Collection Date: 20-Nov-2025 10:27

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-02
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 01:12
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:12
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 01:12
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 01:12
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:12
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 01:12
Surr: 1,2-Dichloroethane-d4	115			70-126	%REC	1	27-Nov-2025 01:12
Surr: 4-Bromofluorobenzene	95.6			77-113	%REC	1	27-Nov-2025 01:12
Surr: Dibromofluoromethane	107			77-123	%REC	1	27-Nov-2025 01:12
Surr: Toluene-d8	104			82-127	%REC	1	27-Nov-2025 01:12
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 11:37
Surr: 4-Bromofluorobenzene	114			70-123	%REC	1	03-Dec-2025 11:37
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 16:41
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 16:41
Surr: 2-Fluorobiphenyl	77.3			60-135	%REC	1	26-Nov-2025 16:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: MW-4
 Collection Date: 20-Nov-2025 11:23

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-03
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 01:34
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:34
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 01:34
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 01:34
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:34
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 01:34
Surr: 1,2-Dichloroethane-d4	116			70-126	%REC	1	27-Nov-2025 01:34
Surr: 4-Bromofluorobenzene	94.6			77-113	%REC	1	27-Nov-2025 01:34
Surr: Dibromofluoromethane	106			77-123	%REC	1	27-Nov-2025 01:34
Surr: Toluene-d8	105			82-127	%REC	1	27-Nov-2025 01:34
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 11:51
Surr: 4-Bromofluorobenzene	123			70-123	%REC	1	03-Dec-2025 11:51
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	0.0208	J	0.00400	0.0500	mg/L	1	26-Nov-2025 17:04
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 17:04
Surr: 2-Fluorobiphenyl	130			60-135	%REC	1	26-Nov-2025 17:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: MW-2
 Collection Date: 20-Nov-2025 12:55

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-04
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 01:57
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:57
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 01:57
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 01:57
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:57
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 01:57
Surr: 1,2-Dichloroethane-d4	114			70-126	%REC	1	27-Nov-2025 01:57
Surr: 4-Bromofluorobenzene	98.4			77-113	%REC	1	27-Nov-2025 01:57
Surr: Dibromofluoromethane	105			77-123	%REC	1	27-Nov-2025 01:57
Surr: Toluene-d8	103			82-127	%REC	1	27-Nov-2025 01:57
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 12:05
Surr: 4-Bromofluorobenzene	126	S		70-123	%REC	1	03-Dec-2025 12:05
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	0.00817	J	0.00400	0.0500	mg/L	1	26-Nov-2025 17:27
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 17:27
Surr: 2-Fluorobiphenyl	71.9			60-135	%REC	1	26-Nov-2025 17:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: DUP-01
 Collection Date: 20-Nov-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-05
 Matrix:GW

ANALYSES	RESULT	QUAL	SDL	MLL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 02:20
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 02:20
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 02:20
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 02:20
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 02:20
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 02:20
Surr: 1,2-Dichloroethane-d4	117			70-126	%REC	1	27-Nov-2025 02:20
Surr: 4-Bromofluorobenzene	98.4			77-113	%REC	1	27-Nov-2025 02:20
Surr: Dibromofluoromethane	103			77-123	%REC	1	27-Nov-2025 02:20
Surr: Toluene-d8	103			82-127	%REC	1	27-Nov-2025 02:20
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 12:18
Surr: 4-Bromofluorobenzene	120			70-123	%REC	1	03-Dec-2025 12:18
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	0.00617	J	0.00400	0.0500	mg/L	1	26-Nov-2025 17:51
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 17:51
Surr: 2-Fluorobiphenyl	80.2			60-135	%REC	1	26-Nov-2025 17:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: EB-11-20-25
 Collection Date: 20-Nov-2025 13:45

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-06
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	26-Nov-2025 21:46
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	26-Nov-2025 21:46
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	26-Nov-2025 21:46
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	26-Nov-2025 21:46
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	26-Nov-2025 21:46
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	26-Nov-2025 21:46
Surr: 1,2-Dichloroethane-d4	112			70-126	%REC	1	26-Nov-2025 21:46
Surr: 4-Bromofluorobenzene	100			77-113	%REC	1	26-Nov-2025 21:46
Surr: Dibromofluoromethane	105			77-123	%REC	1	26-Nov-2025 21:46
Surr: Toluene-d8	105			82-127	%REC	1	26-Nov-2025 21:46
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 15:13
Surr: 4-Bromofluorobenzene	120			70-123	%REC	1	03-Dec-2025 15:13
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 18:14
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	26-Nov-2025 18:14
Surr: 2-Fluorobiphenyl	97.4			60-135	%REC	1	26-Nov-2025 18:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: AC-11-20-25
 Collection Date: 20-Nov-2025 13:52

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-07
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 01:47
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:47
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 01:47
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 01:47
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 01:47
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 01:47
Surr: 1,2-Dichloroethane-d4	86.7			70-126	%REC	1	27-Nov-2025 01:47
Surr: 4-Bromofluorobenzene	109			77-113	%REC	1	27-Nov-2025 01:47
Surr: Dibromofluoromethane	96.6			77-123	%REC	1	27-Nov-2025 01:47
Surr: Toluene-d8	101			82-127	%REC	1	27-Nov-2025 01:47
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	< 0.0200		0.0200	0.200	mg/L	1	03-Dec-2025 15:27
Surr: 4-Bromofluorobenzene	120			70-123	%REC	1	03-Dec-2025 15:27
DIESEL RANGE ORGANICS BY SW8015C		Method:SW8015M		Prep:SW3510C / 24-Nov-2025		Analyst: SAM	
DRO C10-C35	< 0.00400		0.00400	0.0500	mg/L	1	28-Nov-2025 11:27
ORO (>C28-C40)	< 0.00400		0.00400	0.0500	mg/L	1	28-Nov-2025 11:27
Surr: 2-Fluorobiphenyl	80.6			60-135	%REC	1	28-Nov-2025 11:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: TB-11-20-25A
 Collection Date: 20-Nov-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-08
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 09:14
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 09:14
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 09:14
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 09:14
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 09:14
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 09:14
Surr: 1,2-Dichloroethane-d4	113			70-126	%REC	1	27-Nov-2025 09:14
Surr: 4-Bromofluorobenzene	93.8			77-113	%REC	1	27-Nov-2025 09:14
Surr: Dibromofluoromethane	103			77-123	%REC	1	27-Nov-2025 09:14
Surr: Toluene-d8	104			82-127	%REC	1	27-Nov-2025 09:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
 Project: HEP WTX Q4
 Sample ID: TB-11-20-25B
 Collection Date: 20-Nov-2025 00:00

ANALYTICAL REPORT

WorkOrder:HS25111031
 Lab ID:HS25111031-09
 Matrix:Water

ANALYSES	RESULT	QUAL	SDL	SQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: FT			
Benzene	< 0.00028		0.00028	0.0010	mg/L	1	27-Nov-2025 09:37
Ethylbenzene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 09:37
m,p-Xylene	< 0.00061		0.00061	0.0040	mg/L	1	27-Nov-2025 09:37
o-Xylene	< 0.00031		0.00031	0.0020	mg/L	1	27-Nov-2025 09:37
Toluene	< 0.00033		0.00033	0.0020	mg/L	1	27-Nov-2025 09:37
Xylenes, Total	< 0.00092		0.00092	0.0060	mg/L	1	27-Nov-2025 09:37
Surr: 1,2-Dichloroethane-d4	116			70-126	%REC	1	27-Nov-2025 09:37
Surr: 4-Bromofluorobenzene	98.3			77-113	%REC	1	27-Nov-2025 09:37
Surr: Dibromofluoromethane	105			77-123	%REC	1	27-Nov-2025 09:37
Surr: Toluene-d8	103			82-127	%REC	1	27-Nov-2025 09:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 04-Dec-25

Weight / Prep Log

Client: TRC Corporation

Project: HEP WTX Q4

WorkOrder: HS25111031

Batch ID: 235973

Start Date: 24 Nov 2025 07:56

End Date: 24 Nov 2025 07:56

Method: AQPREP: 3510C TPH

Prep Code: 8015WPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25111031-01	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-02	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-03	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-04	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-05	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-06	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat
HS25111031-07	1	1000 (mL)	1 (mL)	0.001	1-liter amber glass, Neat

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 235973 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25111031-06	EB-11-20-25	20 Nov 2025 13:45		24 Nov 2025 07:56	26 Nov 2025 18:14	1
HS25111031-07	AC-11-20-25	20 Nov 2025 13:52		24 Nov 2025 07:56	28 Nov 2025 11:27	1
Batch ID: 235973 (0)		Test Name : DIESEL RANGE ORGANICS BY SW8015C			Matrix: GW	
HS25111031-01	MW-5	20 Nov 2025 09:26		24 Nov 2025 07:56	26 Nov 2025 16:17	1
HS25111031-02	MW-3	20 Nov 2025 10:27		24 Nov 2025 07:56	26 Nov 2025 16:41	1
HS25111031-03	MW-4	20 Nov 2025 11:23		24 Nov 2025 07:56	26 Nov 2025 17:04	1
HS25111031-04	MW-2	20 Nov 2025 12:55		24 Nov 2025 07:56	26 Nov 2025 17:27	1
HS25111031-05	DUP-01	20 Nov 2025 00:00		24 Nov 2025 07:56	26 Nov 2025 17:51	1
Batch ID: R527330 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25111031-06	EB-11-20-25	20 Nov 2025 13:45			26 Nov 2025 21:46	1
Batch ID: R527330 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: GW	
HS25111031-01	MW-5	20 Nov 2025 09:26			27 Nov 2025 00:49	1
HS25111031-02	MW-3	20 Nov 2025 10:27			27 Nov 2025 01:12	1
HS25111031-03	MW-4	20 Nov 2025 11:23			27 Nov 2025 01:34	1
HS25111031-04	MW-2	20 Nov 2025 12:55			27 Nov 2025 01:57	1
HS25111031-05	DUP-01	20 Nov 2025 00:00			27 Nov 2025 02:20	1
Batch ID: R527331 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25111031-08	TB-11-20-25A	20 Nov 2025 00:00			27 Nov 2025 09:14	1
HS25111031-09	TB-11-20-25B	20 Nov 2025 00:00			27 Nov 2025 09:37	1
Batch ID: R527332 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS25111031-07	AC-11-20-25	20 Nov 2025 13:52			27 Nov 2025 01:47	1
Batch ID: R527522 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: GW	
HS25111031-01	MW-5	20 Nov 2025 09:26			03 Dec 2025 08:25	1
HS25111031-02	MW-3	20 Nov 2025 10:27			03 Dec 2025 11:37	1
HS25111031-03	MW-4	20 Nov 2025 11:23			03 Dec 2025 11:51	1
HS25111031-04	MW-2	20 Nov 2025 12:55			03 Dec 2025 12:05	1
HS25111031-05	DUP-01	20 Nov 2025 00:00			03 Dec 2025 12:18	1
Batch ID: R527586 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS25111031-06	EB-11-20-25	20 Nov 2025 13:45			03 Dec 2025 15:13	1
HS25111031-07	AC-11-20-25	20 Nov 2025 13:52			03 Dec 2025 15:27	1

ALS Houston, US

Date: 04-Dec-25

WorkOrder: HS25111031
 InstrumentID: FID-22
 Test Code: 8015M_DRO_W
 Test Number: SW8015M
 Test Name: Diesel Range Organics by

**METHOD DETECTION /
 REPORTING LIMITS**

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	DRO C10-C35	DRO C10-C35	0.0250	0.0311	0.00400	0.0500
A	ORO (>C28-C40)	C28-C40	0.0250	0.0216	0.00400	0.0500
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.00500

ALS Houston, US

Date: 04-Dec-25

WorkOrder: HS25111031
InstrumentID: FID-20
Test Code: 8015_GRO_W
Test Number: SW8015
Test Name: Gasoline Range Organics by

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Gasoline Range Organics	PHC610GRO	0.100	0.147	0.0200	0.200
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.00500

ALS Houston, US

Date: 04-Dec-25

WorkOrder: HS25111031
 InstrumentID: VOA13
 Test Code: 8260_LL_W
 Test Number: SW8260
 Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00045	0.00028	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00083	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.0020	0.0017	0.00061	0.0040
A	o-Xylene	95-47-6	0.0010	0.00085	0.00031	0.0020
A	Toluene	108-88-3	0.0010	0.00088	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.0030	0.0026	0.00092	0.0060
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

ALS Houston, US

Date: 04-Dec-25

WorkOrder: HS25111031
 InstrumentID: VOA5
 Test Code: 8260_LL_W
 Test Number: SW8260
 Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.00050	0.00093	0.00028	0.0010
A	Ethylbenzene	100-41-4	0.0010	0.00095	0.00033	0.0020
A	m,p-Xylene	179601-23-1	0.0020	0.0020	0.00061	0.0040
A	o-Xylene	95-47-6	0.0010	0.00099	0.00031	0.0020
A	Toluene	108-88-3	0.0010	0.00097	0.00033	0.0020
A	Xylenes, Total	1330-20-7	0.0010	0.0030	0.00092	0.0060
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	0.0010
S	4-Bromofluorobenzene	460-00-4	0	0	0	0.0010
S	Dibromofluoromethane	1868-53-7	0	0	0	0.0010
S	Toluene-d8	2037-26-5	0	0	0	0.0010

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: 235973 (0)	Instrument: FID-22	Method: DIESEL RANGE ORGANICS BY SW8015C
-------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-235973	Units: mg/L	Analysis Date: 26-Nov-2025 13:51							
Client ID:	Run ID: FID-22_527323	SeqNo: 9167403	PrepDate: 24-Nov-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	< 0.00400	0.0500								
ORO (>C28-C40)	< 0.00400	0.0500								
Surr: 2-Fluorobiphenyl	0.07561	0.00500	0.1	0	75.6	60 - 135				

LCS	Sample ID: LCS-235973	Units: mg/L	Analysis Date: 26-Nov-2025 10:20							
Client ID:	Run ID: FID-22_527323	SeqNo: 9167397	PrepDate: 24-Nov-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.8034	0.0500	1	0	80.3	60 - 135				
ORO (>C28-C40)	0.8701	0.0500	1	0	87.0	60 - 135				
Surr: 2-Fluorobiphenyl	0.07707	0.00500	0.1	0	77.1	60 - 135				

LCSD	Sample ID: LCSD-235973	Units: mg/L	Analysis Date: 26-Nov-2025 11:03							
Client ID:	Run ID: FID-22_527323	SeqNo: 9167398	PrepDate: 24-Nov-2025 DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
DRO C10-C35	0.8663	0.0500	1	0	86.6	60 - 135	0.8034	7.54	20	
ORO (>C28-C40)	0.9734	0.0500	1	0	97.3	60 - 135	0.8701	11.2	20	
Surr: 2-Fluorobiphenyl	0.08186	0.00500	0.1	0	81.9	60 - 135	0.07707	6.03	20	

The following samples were analyzed in this batch:

HS25111031-01	HS25111031-02	HS25111031-03	HS25111031-04
HS25111031-05	HS25111031-06	HS25111031-07	

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527522 (0)	Instrument: FID-20	Method: GASOLINE RANGE ORGANICS BY SW8015C
--------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-251202	Units: mg/L	Analysis Date: 02-Dec-2025 15:06							
Client ID:	Run ID: FID-20_527522	SeqNo: 9172129	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.12	0.00500	0.1	0	120	70 - 121				

LCS	Sample ID: LCS-251202	Units: mg/L	Analysis Date: 02-Dec-2025 14:39							
Client ID:	Run ID: FID-20_527522	SeqNo: 9172127	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	1.019	0.200	1	0	102	76 - 124				
Surr: 4-Bromofluorobenzene	0.104	0.00500	0.1	0	104	52 - 138				

LCSD	Sample ID: LCSD-251202	Units: mg/L	Analysis Date: 02-Dec-2025 14:53							
Client ID:	Run ID: FID-20_527522	SeqNo: 9172128	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Gasoline Range Organics	0.938	0.200	1	0	93.8	76 - 124	1.019	8.28	20	
Surr: 4-Bromofluorobenzene	0.097	0.00500	0.1	0	97.0	52 - 138	0.104	6.97	20	

The following samples were analyzed in this batch:

HS25111031-01	HS25111031-02	HS25111031-03	HS25111031-04
HS25111031-05			

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527586 (0)	Instrument: FID-20	Method: GASOLINE RANGE ORGANICS BY SW8015C
--------------------------------	---------------------------	---

MBLK	Sample ID: MBLK-251202	Units: mg/L	Analysis Date: 03-Dec-2025 14:23							
Client ID:	Run ID: FID-20_527586	SeqNo: 9173921	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	< 0.0200	0.200								
Surr: 4-Bromofluorobenzene	0.117	0.00500	0.1	0	117	70 - 121				

LCS	Sample ID: LCS-251202	Units: mg/L	Analysis Date: 03-Dec-2025 13:56							
Client ID:	Run ID: FID-20_527586	SeqNo: 9173919	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	1.02	0.200	1	0	102	76 - 124				
Surr: 4-Bromofluorobenzene	0.108	0.00500	0.1	0	108	52 - 138				

LCSD	Sample ID: LCSD-251202	Units: mg/L	Analysis Date: 03-Dec-2025 14:09							
Client ID:	Run ID: FID-20_527586	SeqNo: 9173920	PrepDate: DF: 1							
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Gasoline Range Organics	0.99	0.200	1	0	99.0	76 - 124	1.02	2.99	20	
Surr: 4-Bromofluorobenzene	0.107	0.00500	0.1	0	107	52 - 138	0.108	0.93	20	

The following samples were analyzed in this batch:

HS25111031-06	HS25111031-07
---------------	---------------

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527330 (0) **Instrument:** VOA13 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK-251126		Units: ug/L		Analysis Date: 26-Nov-2025 20:14			
Client ID:		Run ID: VOA13_527330		SeqNo: 9167586		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 0.28	1.0							
Ethylbenzene	< 0.33	2.0							
m,p-Xylene	< 0.61	4.0							
o-Xylene	< 0.31	2.0							
Toluene	< 0.33	2.0							
Xylenes, Total	< 0.92	6.0							
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>55.06</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>110</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.3</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.6</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>51.02</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>51.83</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>81 - 120</i>			

LCS		Sample ID: LCS-251126		Units: ug/L		Analysis Date: 26-Nov-2025 19:06			
Client ID:		Run ID: VOA13_527330		SeqNo: 9167584		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	21.32	1.0	20	0	107	74 - 120			
Ethylbenzene	19.36	2.0	20	0	96.8	77 - 117			
m,p-Xylene	38.04	4.0	40	0	95.1	77 - 122			
o-Xylene	18.94	2.0	20	0	94.7	75 - 119			
Toluene	20.1	2.0	20	0	100	77 - 118			
Xylenes, Total	56.98	6.0	60	0	95.0	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>52.31</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.78</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.6</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>50.32</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>51.26</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>81 - 120</i>			

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527330 (0) **Instrument:** VOA13 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD	Sample ID: LCSD-251126	Units: ug/L				Analysis Date: 26-Nov-2025 19:29				
Client ID:	Run ID: VOA13_527330	SeqNo: 9167585	PrepDate:	DF: 1						
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.23	1.0	20	0	111	74 - 120	21.32	4.18	20	
Ethylbenzene	19.86	2.0	20	0	99.3	77 - 117	19.36	2.59	20	
m,p-Xylene	39.15	4.0	40	0	97.9	77 - 122	38.04	2.87	20	
o-Xylene	19.15	2.0	20	0	95.7	75 - 119	18.94	1.09	20	
Toluene	20.51	2.0	20	0	103	77 - 118	20.1	2.05	20	
Xylenes, Total	58.29	6.0	60	0	97.2	75 - 122	56.98	2.28	20	
Surr: 1,2-Dichloroethane-d4	53.62	1.0	50	0	107	70 - 123	52.31	2.47	20	
Surr: 4-Bromofluorobenzene	49.45	1.0	50	0	98.9	77 - 113	49.78	0.665	20	
Surr: Dibromofluoromethane	51.24	1.0	50	0	102	73 - 126	50.32	1.81	20	
Surr: Toluene-d8	50.55	1.0	50	0	101	81 - 120	51.26	1.38	20	

The following samples were analyzed in this batch:

HS25111031-01	HS25111031-02	HS25111031-03	HS25111031-04
HS25111031-05	HS25111031-06		

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527331 (0) **Instrument:** VOA13 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK-251127		Units: ug/L		Analysis Date: 27-Nov-2025 06:33				
Client ID:		Run ID: VOA13_527331		SeqNo: 9167618		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.28	1.0								
Ethylbenzene	< 0.33	2.0								
m,p-Xylene	< 0.61	4.0								
o-Xylene	< 0.31	2.0								
Toluene	< 0.33	2.0								
Xylenes, Total	< 0.92	6.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	57.32	1.0	50	0	115	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	48.82	1.0	50	0	97.6	77 - 113				
<i>Surr: Dibromofluoromethane</i>	52.87	1.0	50	0	106	73 - 126				
<i>Surr: Toluene-d8</i>	52.1	1.0	50	0	104	81 - 120				

LCS		Sample ID: LCS-251127		Units: ug/L		Analysis Date: 27-Nov-2025 05:24				
Client ID:		Run ID: VOA13_527331		SeqNo: 9167616		PrepDate:		DF: 1		
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.38	1.0	20	0	107	74 - 120				
Ethylbenzene	19.08	2.0	20	0	95.4	77 - 117				
m,p-Xylene	37.21	4.0	40	0	93.0	77 - 122				
o-Xylene	18.32	2.0	20	0	91.6	75 - 119				
Toluene	19.9	2.0	20	0	99.5	77 - 118				
Xylenes, Total	55.53	6.0	60	0	92.5	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	55.38	1.0	50	0	111	70 - 123				
<i>Surr: 4-Bromofluorobenzene</i>	48.18	1.0	50	0	96.4	77 - 113				
<i>Surr: Dibromofluoromethane</i>	50.7	1.0	50	0	101	73 - 126				
<i>Surr: Toluene-d8</i>	50.63	1.0	50	0	101	81 - 120				

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527331 (0)		Instrument: VOA13		Method: LOW LEVEL VOLATILES BY SW8260C						
LCSD	Sample ID: LCSD-251127	Units: ug/L			Analysis Date: 27-Nov-2025 05:47					
Client ID:	Run ID: VOA13_527331	SeqNo: 9167617		PrepDate:			DF: 1			
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.46	1.0	20	0	107	74 - 120	21.38	0.383	20	
Ethylbenzene	18.47	2.0	20	0	92.3	77 - 117	19.08	3.26	20	
m,p-Xylene	37.05	4.0	40	0	92.6	77 - 122	37.21	0.423	20	
o-Xylene	18.5	2.0	20	0	92.5	75 - 119	18.32	0.962	20	
Toluene	19.82	2.0	20	0	99.1	77 - 118	19.9	0.393	20	
Xylenes, Total	55.55	6.0	60	0	92.6	75 - 122	55.53	0.036	20	
Surr: 1,2-Dichloroethane-d4	55.95	1.0	50	0	112	70 - 123	55.38	1.02	20	
Surr: 4-Bromofluorobenzene	47.62	1.0	50	0	95.2	77 - 113	48.18	1.18	20	
Surr: Dibromofluoromethane	49.92	1.0	50	0	99.8	73 - 126	50.7	1.53	20	
Surr: Toluene-d8	51.06	1.0	50	0	102	81 - 120	50.63	0.852	20	

The following samples were analyzed in this batch: HS25111031-08 HS25111031-09

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527332 (0) **Instrument:** VOA5 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: MBLK-251126		Units: ug/L		Analysis Date: 26-Nov-2025 22:39			
Client ID:		Run ID: VOA5_527332		SeqNo: 9167645		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	< 0.28	1.0							
Ethylbenzene	< 0.33	2.0							
m,p-Xylene	< 0.61	4.0							
o-Xylene	< 0.31	2.0							
Toluene	< 0.33	2.0							
Xylenes, Total	< 0.92	6.0							
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>35.41</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>70.8</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>56</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>112</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>41.52</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>83.0</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>49.6</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.2</i>	<i>81 - 120</i>			

LCS		Sample ID: LCS-251126		Units: ug/L		Analysis Date: 26-Nov-2025 21:37			
Client ID:		Run ID: VOA5_527332		SeqNo: 9167651		PrepDate:		DF: 1	
Analyte	Result	MLQ	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.42	1.0	20	0	87.1	74 - 120			
Ethylbenzene	17.44	2.0	20	0	87.2	77 - 117			
m,p-Xylene	35.35	4.0	40	0	88.4	77 - 122			
o-Xylene	17.76	2.0	20	0	88.8	75 - 119			
Toluene	17.15	2.0	20	0	85.8	77 - 118			
Xylenes, Total	53.12	6.0	60	0	88.5	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>44.9</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>89.8</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.57</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>49</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.0</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>49.01</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.0</i>	<i>81 - 120</i>			

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527332 (0) **Instrument:** VOA5 **Method:** LOW LEVEL VOLATILES BY SW8260C

LCSD		Sample ID: LCSD-251126			Units: ug/L		Analysis Date: 26-Nov-2025 21:58			
Client ID:		Run ID: VOA5_527332			SeqNo: 9167652		PrepDate:		DF: 1	
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	16.72	1.0	20	0	83.6	74 - 120	17.42	4.14	20	
Ethylbenzene	16.9	2.0	20	0	84.5	77 - 117	17.44	3.15	20	
m,p-Xylene	34.2	4.0	40	0	85.5	77 - 122	35.35	3.3	20	
o-Xylene	17.04	2.0	20	0	85.2	75 - 119	17.76	4.13	20	
Toluene	17.26	2.0	20	0	86.3	77 - 118	17.15	0.605	20	
Xylenes, Total	51.25	6.0	60	0	85.4	75 - 122	53.12	3.58	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>53.04</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>70 - 123</i>	<i>44.9</i>	<i>16.6</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>49.94</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.9</i>	<i>77 - 113</i>	<i>50.57</i>	<i>1.25</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>54.64</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>109</i>	<i>73 - 126</i>	<i>49</i>	<i>10.9</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>50</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>81 - 120</i>	<i>49.01</i>	<i>2</i>	<i>20</i>	

MS		Sample ID: HS25111156-04MS			Units: ug/L		Analysis Date: 27-Nov-2025 05:56			
Client ID:		Run ID: VOA5_527332			SeqNo: 9167670		PrepDate:		DF: 1	
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.4	1.0	20	0	92.0	70 - 127				
Ethylbenzene	18.92	2.0	20	0	94.6	70 - 124				
m,p-Xylene	38.48	4.0	40	0	96.2	70 - 130				
o-Xylene	18.62	2.0	20	0	93.1	70 - 124				
Toluene	19.29	2.0	20	0	96.4	70 - 123				
Xylenes, Total	57.1	6.0	60	0	95.2	70 - 130				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>44.85</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>89.7</i>	<i>70 - 126</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>48.45</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>96.9</i>	<i>77 - 113</i>				
<i>Surr: Dibromofluoromethane</i>	<i>50.95</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>102</i>	<i>77 - 123</i>				
<i>Surr: Toluene-d8</i>	<i>49.2</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.4</i>	<i>82 - 127</i>				

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

QC BATCH REPORT

Batch ID: R527332 (0) **Instrument:** VOA5 **Method:** LOW LEVEL VOLATILES BY SW8260C

MSD		Sample ID: HS25111156-04MSD			Units: ug/L		Analysis Date: 27-Nov-2025 06:17			
Client ID:		Run ID: VOA5_527332			SeqNo: 9167671		PrepDate:		DF: 1	
Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.01	1.0	20	0	85.1	70 - 127	18.4	7.86	20	
Ethylbenzene	16.99	2.0	20	0	85.0	70 - 124	18.92	10.7	20	
m,p-Xylene	33.84	4.0	40	0	84.6	70 - 130	38.48	12.8	20	
o-Xylene	16.81	2.0	20	0	84.1	70 - 124	18.62	10.2	20	
Toluene	17.24	2.0	20	0	86.2	70 - 123	19.29	11.2	20	
Xylenes, Total	50.65	6.0	60	0	84.4	70 - 130	57.1	12	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	48.86	1.0	50	0	97.7	70 - 126	44.85	8.56	20	
<i>Surr: 4-Bromofluorobenzene</i>	48.6	1.0	50	0	97.2	77 - 113	48.45	0.319	20	
<i>Surr: Dibromofluoromethane</i>	52.55	1.0	50	0	105	77 - 123	50.95	3.09	20	
<i>Surr: Toluene-d8</i>	48.89	1.0	50	0	97.8	82 - 127	49.2	0.63	20	

The following samples were analyzed in this batch: HS25111031-07

ALS Houston, US

Date: 04-Dec-25

Client: TRC Corporation
Project: HEP WTX Q4
WorkOrder: HS25111031

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
mg/L	Milligrams per Liter

ALS Houston, US

Date: 04-Dec-25

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-240-R4	30-Apr-2026
Dept of Defense	L24-239-R1	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Maryland	343-2025-26	30-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
Oklahoma	2023-140	31-Dec-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	TX-C25-00104	30-Apr-2026
Utah	TX026932025-17	31-Jul-2026

ALS Houston, US

Date: 04-Dec-25

Sample Receipt Checklist

Work Order ID: HS25111031

Date/Time Received: 21-Nov-2025 09:40

Client Name: TRC-AUS

Received by: Chelsea Rogers

Completed By: /S/ Kaycee Rogers	22-Nov-2025 12:49	Reviewed by: /S/ Beverly Mustafa	24-Nov-2025 08:42
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**

Carrier name: **FedEx**

- 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
- VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No Not Present
- Chain of custody present? Yes No 1 Page(s)
- Chain of custody signed when relinquished and received? Yes No COC IDs:354866
- Samplers name present on COC? 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
- Container/Temp Blank temperature in compliance? Yes No

Temperature(s)/Thermometer(s):	3.1UC/3.1C, 2.8UC/2.8C	IR 34
Cooler(s)/Kit(s):	54352, 53856	
Date/Time sample(s) sent to storage:	11/22/2025 1249	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:		

Login Notes: Times differ for EB-11-20-25: Chain of Custody 1345; Label 1352. For sample AC-11-20-25: Chain of Custody 1352; Label: 1345

Client Contacted:	Date Contacted:	Person Contacted:
Contacted By:	Regarding:	
Comments:		
Corrective Action:		



Cincinnati, OH
+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Houston, TX
+1 281 530 5656

Spring City, PA
+1 610 948 4903

Middletown, PA
+1 717 944 5541

Salt Lake City, UT
+1 801 266 7700


South Charleston, WV
+1 304 356 3168

York, PA
+1 717 505 5280

Page 1 of 1

COC ID: 354866

ALS Project Manager: _____ ALS Work Order #: _____


Customer Information		Project Information		Parameter/Method Request for Analysis												
Purchase Order	643882	Project Name	HEP WTX Q4	A	8260 LL W/SETX) - (3XVOA HCl)											
Work Order		Project Number		B	8015 GRO W/ (8015 GRO) - (3XVOA HCl)											
Company Name	TRC Corporation	Bill To Company	TRC Corporation	C	8015M GRO W - (2x1 Liter)											
Send Report To	Shannon Hoover Shannon Hoover	Invoice Attn	TRC-AP	D	8015 ORD											
Address	505 East Huntland Drive Suite 256	Address	505 East Huntland Drive Suite 256	E	<div style="text-align: center;"> HS25111031 TRC Corporation HEP WTX Q4 </div> 											
City/State/Zip	Austin, TX 78752	City/State/Zip	Austin, TX 78752	F												
Phone	(512) 329-6080	Phone	(512) 329-6080	G												
Fax	(512) 329-8730	Fax	(512) 329-8730	H												
e-Mail Address	shoover@trccompanies.com shoover@trccompanies.com	e-Mail Address	shoover@trccompanies.com	I												
				J												

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-5	11-20-25	0926	GW	1,8	8	X	X	X	X							
2	MW-3	11-20-25	1027	GW	1,8	8	X	X	X	X							
3	MW-4	11-20-25	1123	GW	1,8	8	X	X	X	X							
4	MW-2	11-20-25	1255	GW	1,8	8	X	X	X	X							
5	DUP-01	11-20-25	0000	GW	1,8	8	X	X	X	X							
6	EB-11-20-25	11-20-25	1345	W	1,8	8	X	X	X	X							
7	AC-11-20-25	11-20-25	1352	W	1,8	8	X	X	X	X							
8	TB-11-20-25A	11-20-25	0000	W	1,8	2	X										
9	TB-11-20-25B	11-20-25	0000	W	1,8	2	X										
10																	


Sampler(s) Please Print & Sign: <i>Nikki Donagan</i>		Shipment Method: Fed Ex		Required Turnaround Time: (Check Box) <input type="checkbox"/> 3rd Day <input checked="" type="checkbox"/> 5th Day <input type="checkbox"/> 7th Day <input type="checkbox"/> 14 Day				Results Due Date: _____			
Relinquished by: <i>Nikki Donagan</i>	Date: 11-20-25	Time: 1420	Received by:	Notes: HEP WTX to EMSU							
Relinquished by:	Date:	Time: 0940	Received by (Laboratory): <i>CR</i>	Cooler ID: <i>ER34</i>	Cooler Temp: <i>5.0</i>	QC Package: (Check One Box Below)					
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	<i>54352</i>	<i>53856</i>	<input checked="" type="checkbox"/> 1-100% (100% of total)	<input type="checkbox"/> 1-100% (100% of total)	<input type="checkbox"/> 1-100% (100% of total)	<input type="checkbox"/> 1-100% (100% of total)	<input type="checkbox"/> 1-100% (100% of total)	<input type="checkbox"/> 1-100% (100% of total)

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5856 Fax. +1 281 530 5887	57856 10	CUSTODY SEAL		Seal Broken By: GM
		Date: 11-20-25	Time: 1420	11/21/25
		Name: Robert Nicholas	Company: TRC	

57856 NOV 21 2025

 ALS 10450 Stancliff Rd., Suite 210 Houston, Texas 77099 Tel. +1 281 530 5856 Fax. +1 281 530 5887	578 56	CUSTODY SEAL		Seal Broken By: GM
		Date: 11-20-25	Time: 1420	11/21/25
		Name: Robert Nicholas	Company: TRC	

COMPL F RECEIVING



Must Deliver Next Business Day
Time and Temperature Sensitive!

57856

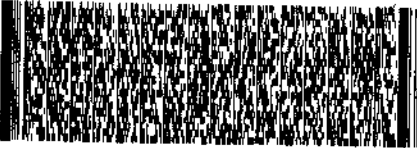
ORIGIN ID: SGRA (512) 862-8821
 NIKKI DONEGAN
 TRC CORPORATION
 3489 ANGEL FACE
 EL PASO, TX 79936
 UNITED STATES US

SHIP DATE: 05NOV25
 ACTWT: 1.00 LB TRK
 CAD: 0221247/CAFE3953

TO
SAMPLE RECEIVING
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

(281) 530-6868
 REF: HEP WTX - 80110378 - AN

RMA: 0111114



FedEx
 TRK# 4345 8804 7000
 0221

FRI - 21 NOV 10:30A
 PRIORITY OVERNIGHT

AB SGRA

77099
 TX-US IAH





10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

54352

CUSTODY SEAL

Date: 11/21/25 Time: 19:20
Name: *Robert Nichols*
Company: *RSC*

Seal Broken By: *SM*

Date: 11/21/25

54352 NOV 21 2025



10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

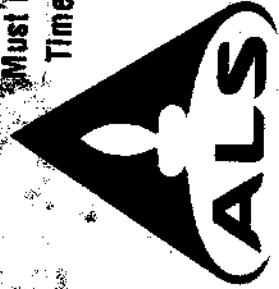
54352

CUSTODY SEAL

Date: 11/21/25 Time: 19:20
Name: *Robert Nichols*
Company: *RSC*

Seal Broken By: *SM*

Date: 11/21/25



Must Deliver Next Business Day
Time and Temperature Sensitive!

54352

Form # 159469-434 RRDB EXP 08/26

ORIGIN ID: SGRA (512) 862-8621

MIKI DONEGAN
TRC CORPORATION
3488 ANGEL FACE

EL PASO, TX 78936
UNITED STATES US

TO SAMPLE RECEIVING
ALS GROUP USA, CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099

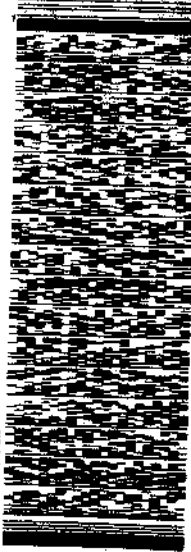
(281) 880-6668

REF: HEP WTX - 80110378 - AN

FMA: 01/11/11

SHIP DATE: 05NOV25
ACTWGT: 1.00 LB HAN
CRD: 0221247/CAF63853

Form # 2365/3105/2385



FedEx

TRK# 4345 8804 7021

FRI - 21 NOV 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099 IAH

TX-US



Form # 156297-435 BRDB EXP 10/26



Analytical Data Review Checklist

Site: WTX (Klein Ranch) Location: Southwest of Monument, NM Client Name: HEP Project #: 701766	Laboratory: ALS (Houston, TX) Lab Report #: HS25111031 Reviewer: M. Yonts Peer Reviewer: N. Bergstrom Review Date: 1/8/2026
---	--

Analytical Method(s): BTEX by Method SW8260C; TPH GRO by Method SW8015C; TPH DRO/ORO by Method SW8015C	Matrices Sampled: Groundwater, aqueous quality control (QC) samples	Sample Collection Date(s): November 20, 2025
--	---	--

Sampling Objective(s): Analyze groundwater for routine monitoring.
--

Sample IDs (List IDs or attach COC): Refer to data package sample summary.
--

Review Item or Question		Y	N	NA	Comments
Chain-of-Custody and Data Completeness					
1	Was COC 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 forms?	X			The laboratory noted that the sample collection times differ on the sample container and the COC for samples EB-11-20-25 (COC=1345, Label=1352) and AC-11-20-25 (COC=1352, Label 1345). The collection times on the COC were used.
4	Are results reported for all analytical methods requested?	X			
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?			X	
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?	X			
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			TPH GRO and BTEX were preserved with hydrochloric acid.
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?			X	



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All nondetect (ND) results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	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 (or attach field blank results).		X		Ambient Conditions Blank: AC-11-20-25; All ND Trip Blanks: TB-11-20-25A and TB-11-20-25B; All ND Equipment Blank: EB-11-20-25; All ND
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes					
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments
Matrix Spikes				
26			X	
27			X	
Surrogates				
28		X		<u>MW-2</u> : GRO surrogate 4-bromofluorobenzene %R (126%) was above laboratory QC limits (70-123%). No sample qualification was required as the GRO result in sample MW-2 was ND.
Duplicates Note: If not performed on a project sample, evaluation is not required.				
29			X	
30	X			Field duplicate pair DUP-01 and MW-2.
Do the Data Make Sense?				
31		X		
32		X		
33		X		
34			X	
Additional Comments: None.				

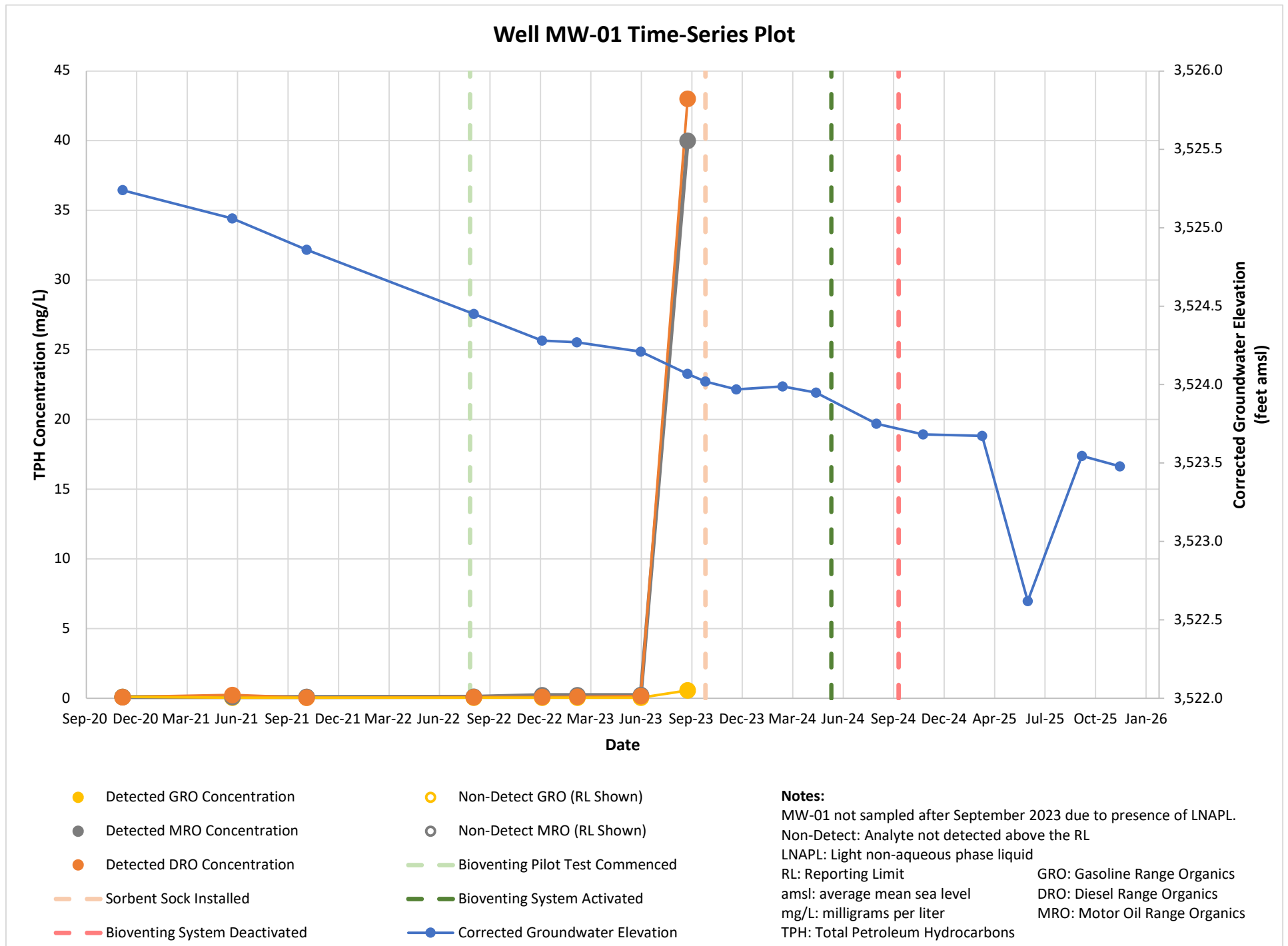
Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

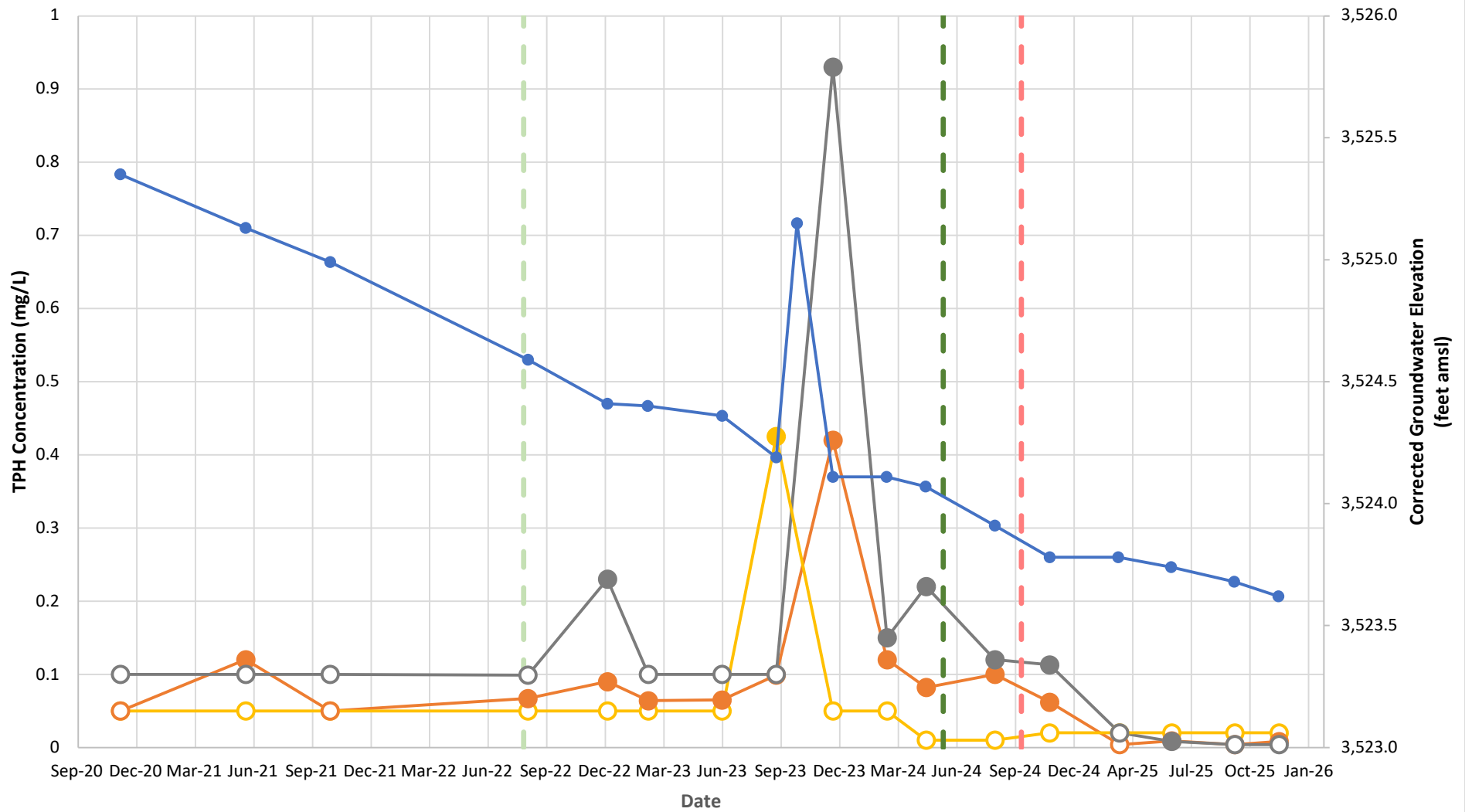
Abbreviations:

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes
 COC = Chain-of-Custody
 DRO = Diesel Range Organics
 EDD = Electronic Data Deliverable
 GRO = Gasoline Range Organics
 LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
 MS/MSD = Matrix Spike / Matrix Spike Duplicate
 ND = Nondetect
 ORO = Oil Range Organics
 QAPP = Quality Assurance Project Plan
 QC = Quality Control
 RPD = Relative Percent Difference = $100\% \times |(A-B)/((A+B)/2)|$
 TPH = Total Petroleum Hydrocarbon

ATTACHMENT D – GROUNDWATER ELEVATION AND TPH PLOTS

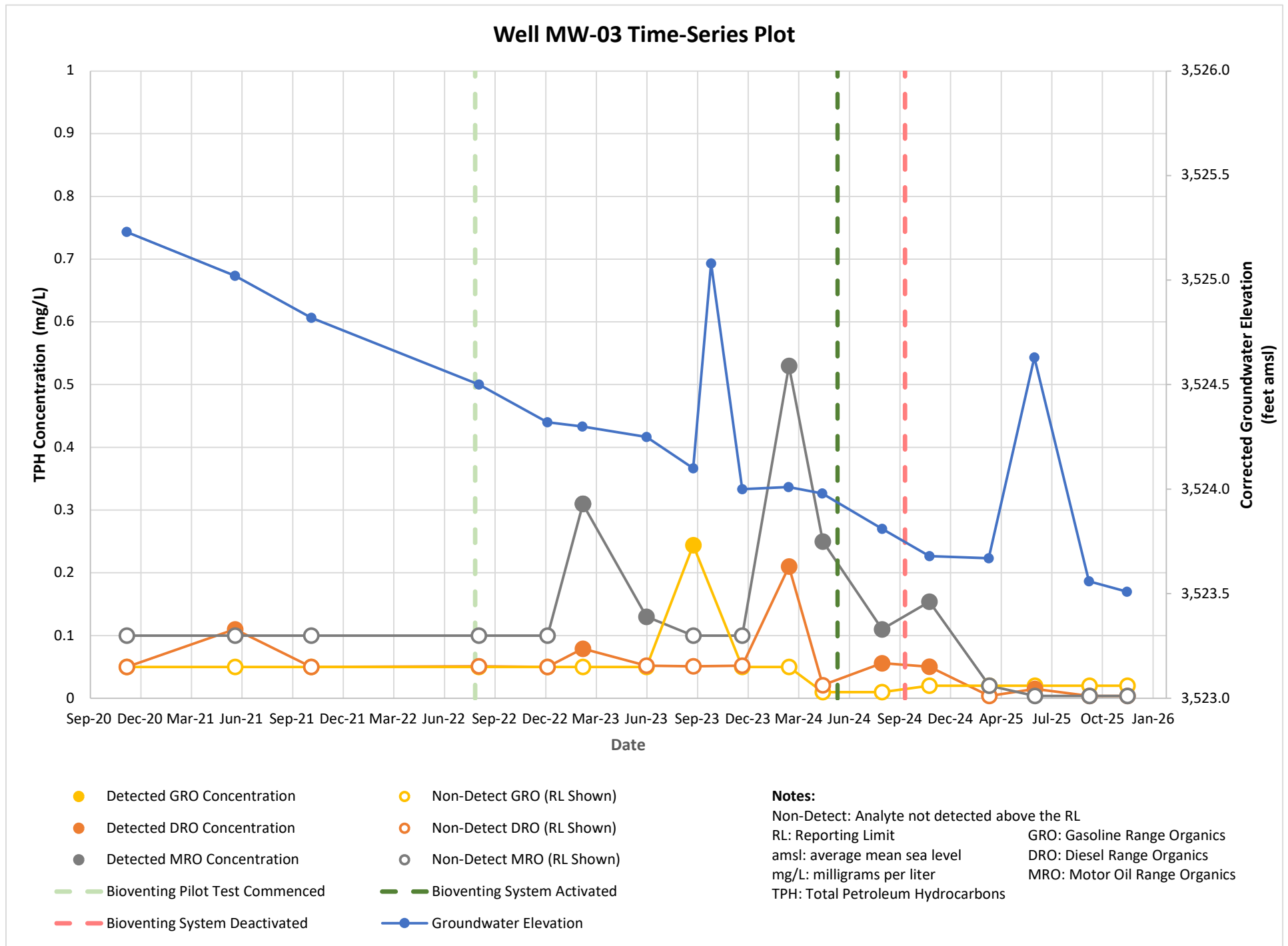


Well MW-02 Time-Series Plot

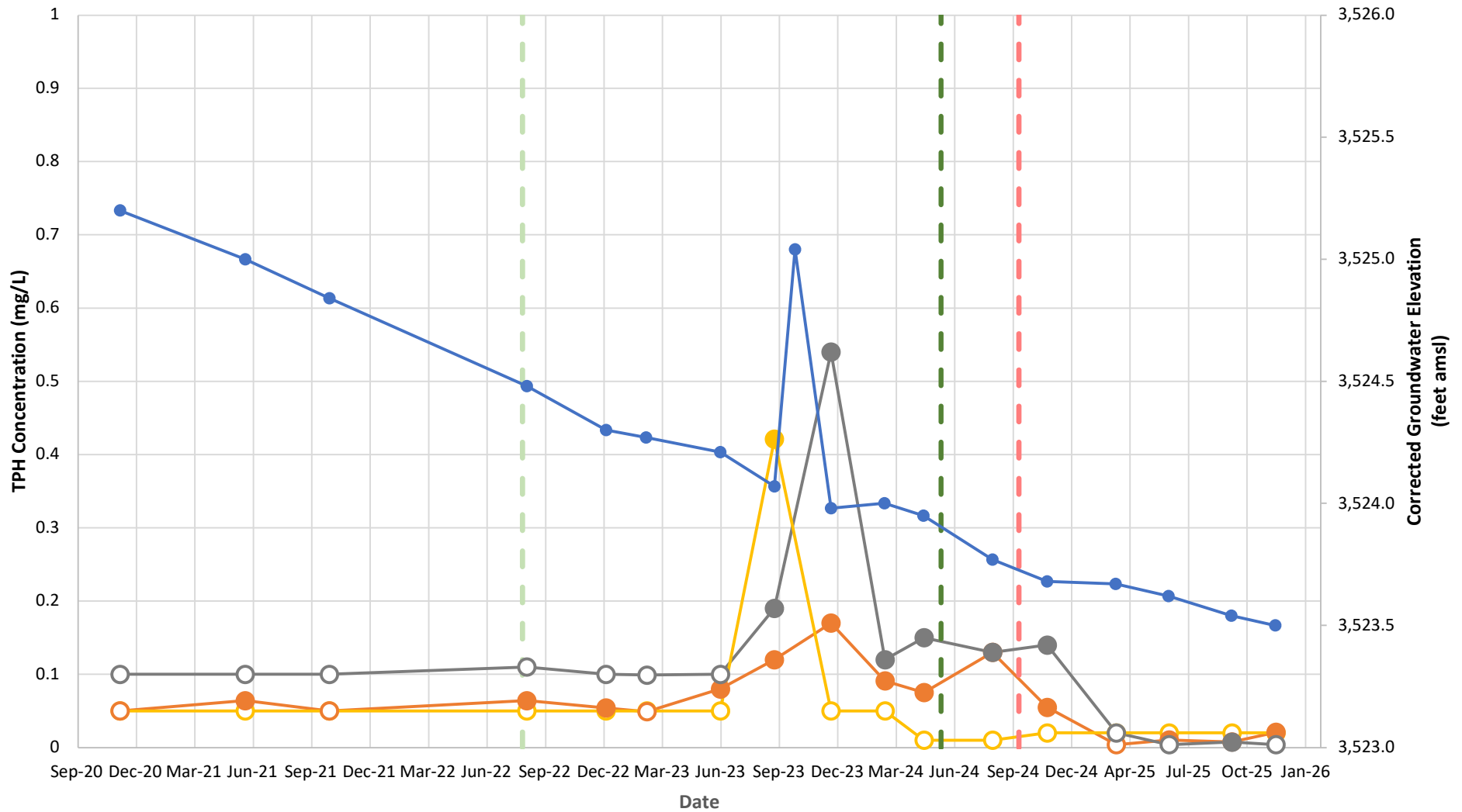


- Detected GRO Concentration
- Detected DRO Concentration
- Detected MRO Concentration
- Bioventing Pilot Test Commenced
- Bioventing System Activated
- Bioventing System Deactivated
- Non-Detect GRO (RL Shown)
- Non-Detect DRO (RL Shown)
- Non-Detect MRO (RL Shown)
- Groundwater Elevation

Notes:
 Non-Detect: Analyte not detected above the RL
 RL: Reporting Limit
 amsl: average mean sea level
 mg/L: milligrams per liter
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 MRO: Motor Oil Range Organics
 TPH: Total Petroleum Hydrocarbons

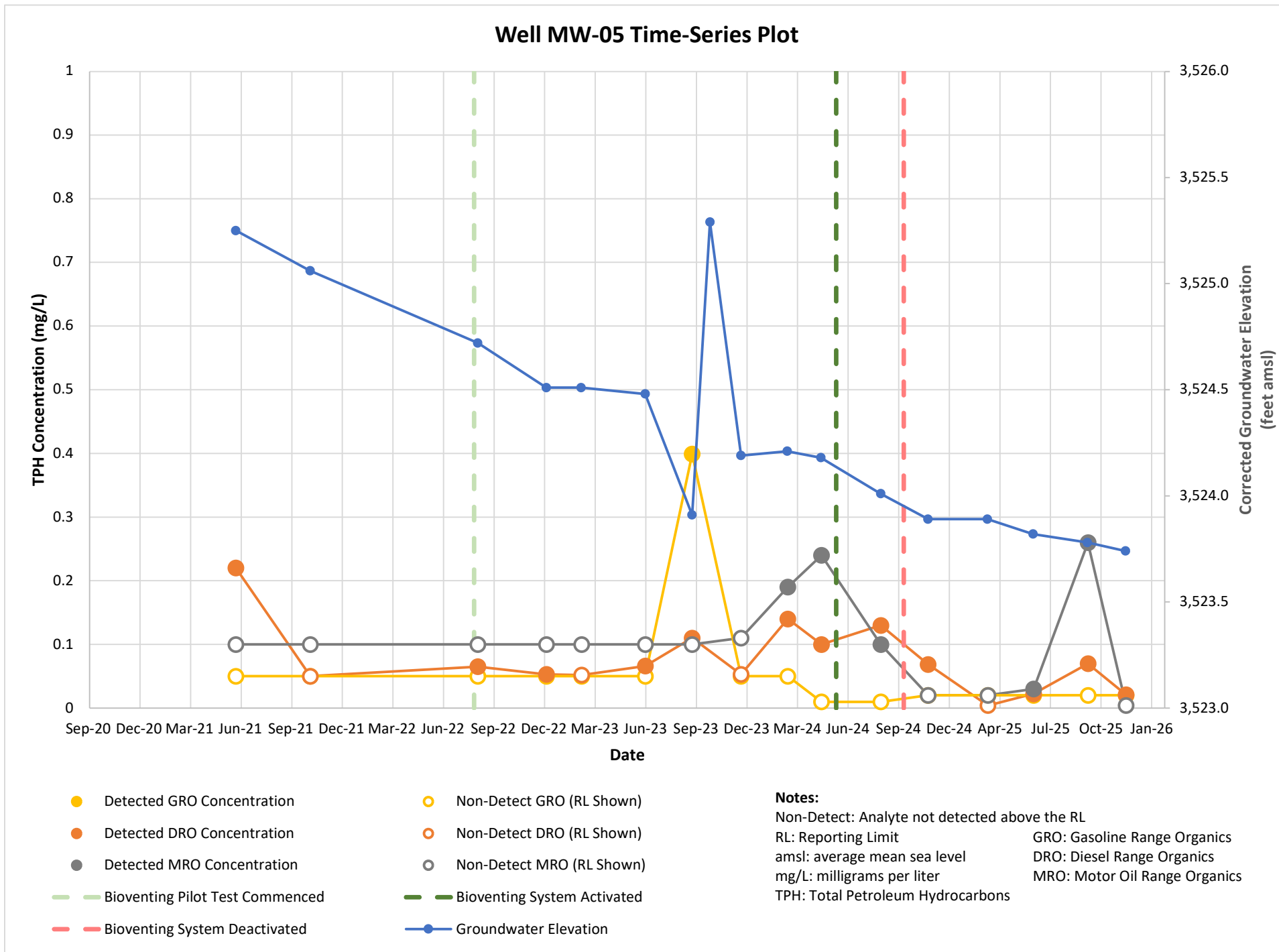


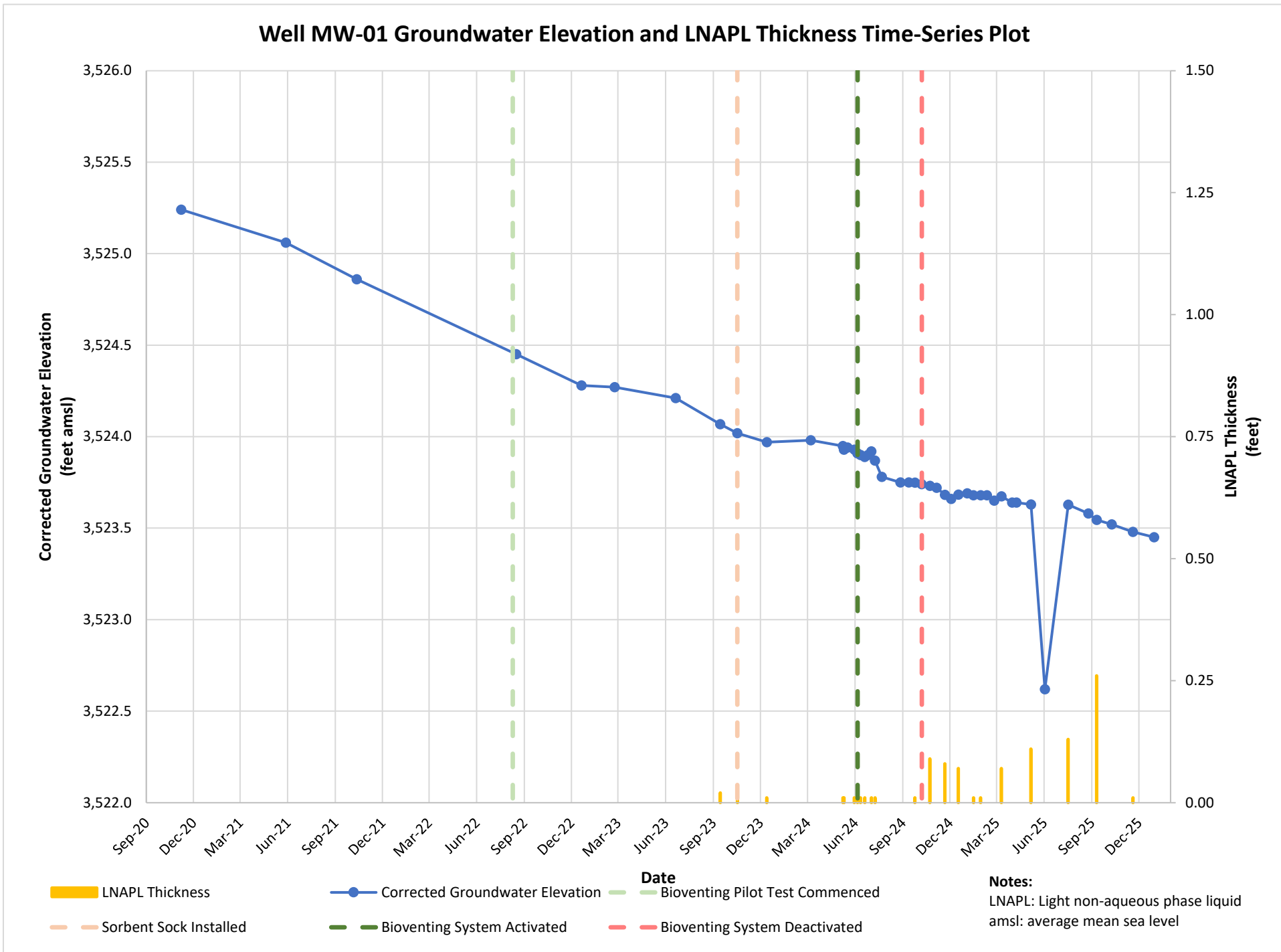
Well MW-04 Time-Series Plot

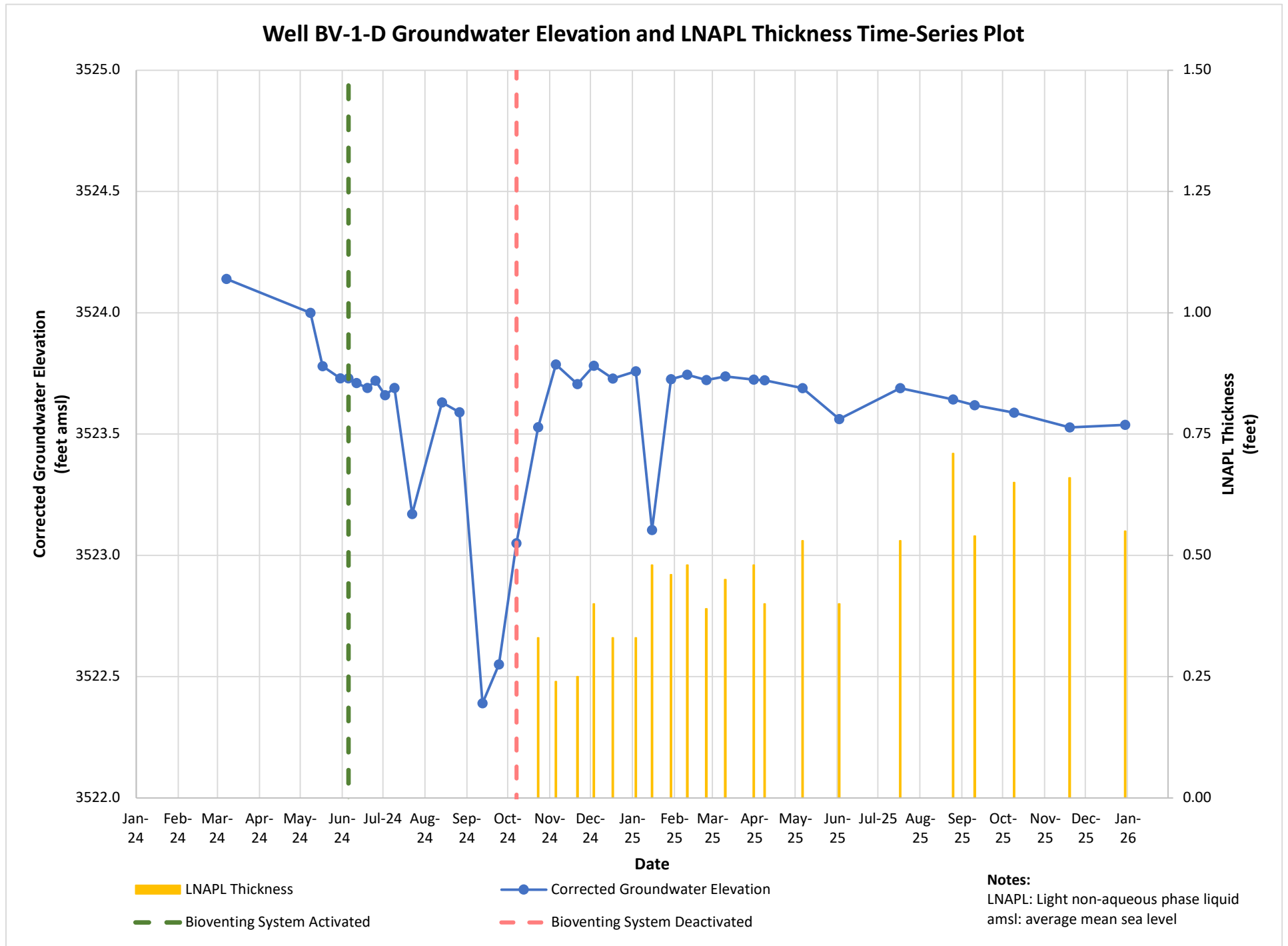


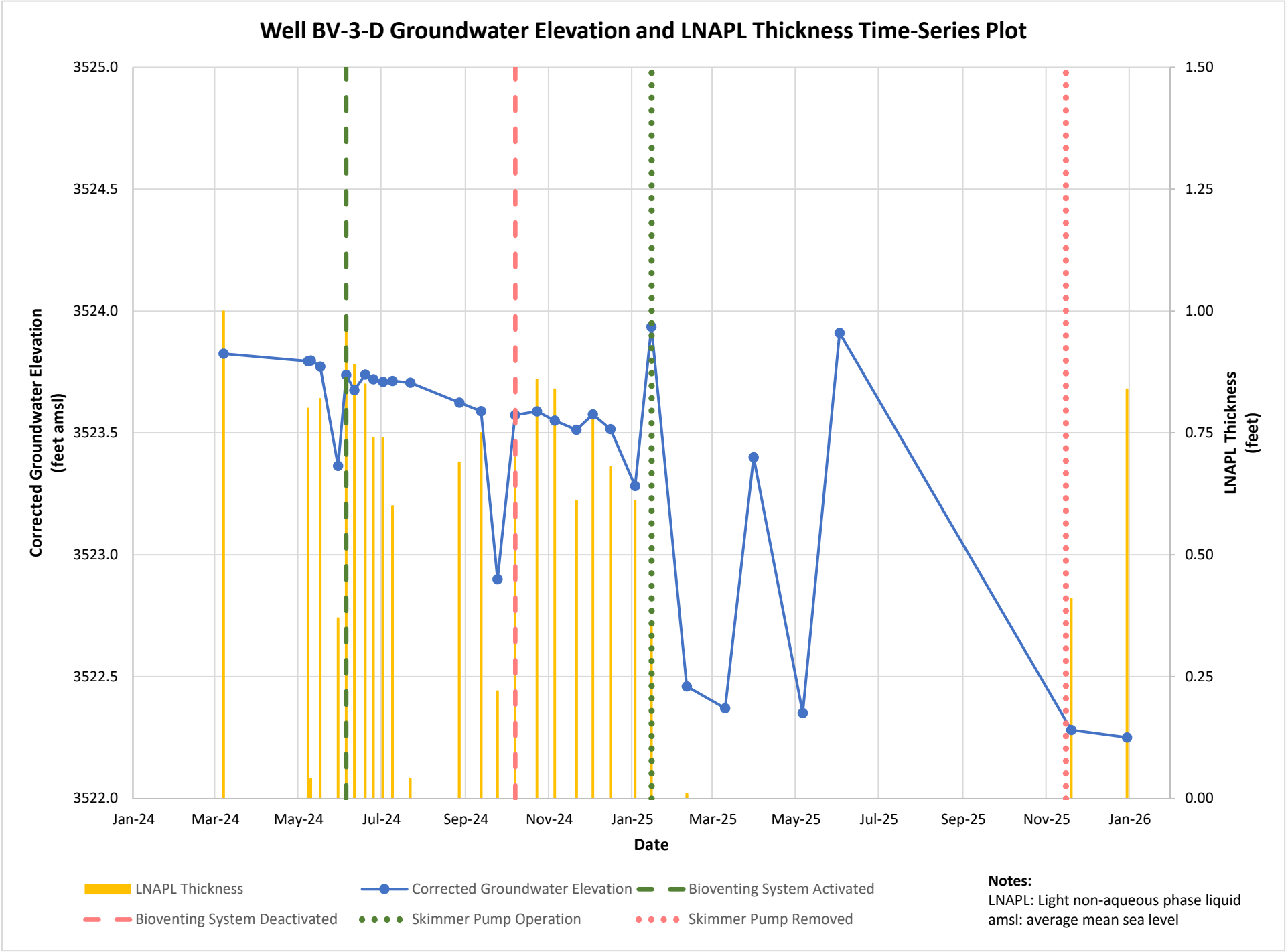
- Detected GRO Concentration
- Non-Detect GRO (RL Shown)
- Detected DRO Concentration
- Non-Detect DRO (RL Shown)
- Detected MRO Concentration
- Non-Detect MRO (RL Shown)
- Bioventing Pilot Test Commenced
- Bioventing System Activated
- Bioventing System Deactivated
- Groundwater Elevation

Notes:
 Non-Detect: Analyte not detected above the RL
 RL: Reporting Limit
 amsl: average mean sea level
 mg/L: milligrams per liter
 TPH: Total Petroleum Hydrocarbons
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 MRO: Motor Oil Range Organics









ATTACHMENT E – MONTHLY FLUID LEVEL MEASUREMENTS

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-01	49.25	3,561.71	3,561.53	29.00 - 49.00	11/07/20	ND	36.29	0.00	36.29	3,525.24	12.96
					05/28/21	ND	36.47	0.00	36.47	3,525.06	12.78
					10/12/21	ND	36.67	0.00	36.67	3,524.86	12.58
					08/16/22	ND	37.08	0.00	37.08	3,524.45	12.17
					12/20/22	ND	37.25	0.00	37.25	3,524.28	12.00
					02/22/23	ND	37.26	0.00	37.26	3,524.27	11.99
					06/20/23	ND	37.32	0.00	37.32	3,524.21	11.93
					09/14/23	37.46	37.48	0.02	37.46	3,524.07	11.79
					10/17/23	37.51	37.52	0.01	37.51	3,524.02	11.74
					12/13/23	37.56	37.57	0.01	37.56	3,523.97	11.69
					03/07/24	ND	37.55	0.00	37.55	3,523.98	11.70
					05/08/24	37.58	37.59	0.01	37.58	3,523.95	11.67
					05/10/24	37.60	37.61	0.01	37.60	3,523.93	11.65
					05/17/24	ND	37.59	0.00	37.59	3,523.94	11.66
					05/30/24	37.6	37.61	0.01	37.60	3,523.93	11.65
					06/05/24	37.62	37.63	0.01	37.62	3,523.91	11.63
					06/11/24	37.63	37.64	0.01	37.63	3,523.90	11.62
					06/19/24	37.64	37.65	0.01	37.64	3,523.89	11.61
					06/25/24	ND	37.63	0.00	37.63	3,523.90	11.62
					07/02/24	37.61	37.62	0.01	37.61	3,523.92	11.64
					07/09/24	37.66	37.67	0.01	37.66	3,523.87	11.59
					07/22/24	ND	37.75	0.00	37.75	3,523.78	11.50
					08/27/24	ND	37.78	0.00	37.78	3,523.75	11.47
					09/12/24	ND	37.78	0.00	37.78	3,523.75	11.47
					09/24/24	37.78	37.79	0.01	37.78	3,523.75	11.47
					10/07/24	ND	37.79	0.00	37.79	3,523.74	11.46
					10/23/24	37.79	37.88	0.09	37.80	3,523.73	11.45
					11/05/24	ND	37.81	0.00	37.81	3,523.72	11.44
					11/21/24	37.84	37.92	0.08	37.85	3,523.68	11.40
					12/03/24	ND	37.87	0.00	37.87	3,523.66	11.38
					12/17/24	37.84	37.91	0.07	37.85	3,523.68	11.40
01/03/25	ND	37.84	0.00	37.84	3,523.69	11.41					
01/15/25	37.85	37.86	0.01	37.85	3,523.68	11.40					
01/29/25	37.85	37.86	0.01	37.85	3,523.68	11.40					
02/10/25	ND	37.85	0.00	37.85	3,523.68	11.40					
02/24/25	ND	37.88	0.00	37.88	3,523.65	11.37					
03/10/25	37.85	37.92	0.07	37.86	3,523.67	11.39					
03/31/25	ND	37.89	0.00	37.89	3,523.64	11.36					
04/08/25	ND	37.89	0.00	37.89	3,523.64	11.36					
05/06/25	37.89	38.00	0.11	37.90	3,523.63	11.35					
06/02/25	ND	38.91	0.00	38.91	3,522.62	10.34					
07/17/25	37.89	38.02	0.13	37.90	3,523.63	11.35					
08/25/25	ND	37.95	0.00	37.95	3,523.58	11.30					
09/10/25	37.96	38.22	0.26	37.98	3,523.55	11.27					
10/09/25	ND	38.01	0.00	38.01	3,523.52	11.24					
11/19/25	38.05	38.06	0.01	38.05	3,523.48	11.20					
12/30/25	ND	38.08	0.00	38.08	3,523.45	11.17					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-02	49.49	3,563.09	3,562.94	29.24 - 49.24	11/07/20	ND	37.59	0.00	37.59	3,525.35	11.90
					05/25/21	ND	37.81	0.00	37.81	3,525.13	11.68
					10/06/21	ND	37.95	0.00	37.95	3,524.99	11.54
					08/16/22	ND	38.35	0.00	38.35	3,524.59	11.14
					12/20/22	ND	38.53	0.00	38.53	3,524.41	10.96
					02/22/23	ND	38.54	0.00	38.54	3,524.40	10.95
					06/20/23	ND	38.58	0.00	38.58	3,524.36	10.91
					09/14/23	ND	38.75	0.00	38.75	3,524.19	10.74
					10/17/23	ND	37.79	0.00	37.79	3,525.15	11.70
					12/13/23	ND	38.83	0.00	38.83	3,524.11	10.66
					03/07/24	ND	38.83	0.00	38.83	3,524.11	10.66
					05/08/24	ND	38.87	0.00	38.87	3,524.07	10.62
					05/17/24	ND	38.86	0.00	38.86	3,524.08	10.63
					05/30/24	ND	38.88	0.00	38.88	3,524.06	10.61
					06/05/24	ND	38.89	0.00	38.89	3,524.05	10.60
					06/11/24	ND	38.89	0.00	38.89	3,524.05	10.60
					06/19/24	ND	38.92	0.00	38.92	3,524.02	10.57
					06/25/24	ND	38.92	0.00	38.92	3,524.02	10.57
					07/02/24	ND	38.96	0.00	38.96	3,523.98	10.53
					07/09/24	ND	38.92	0.00	38.92	3,524.02	10.57
					07/22/24	ND	39.00	0.00	39.00	3,523.94	10.49
					08/13/24	ND	38.97	0.00	38.97	3,523.97	10.52
					08/26/24	ND	39.03	0.00	39.03	3,523.91	10.46
					09/11/24	ND	39.02	0.00	39.02	3,523.92	10.47
					09/23/24	ND	39.08	0.00	39.08	3,523.86	10.41
					10/07/24	ND	39.11	0.00	39.11	3,523.83	10.38
					10/23/24	ND	39.08	0.00	39.08	3,523.86	10.41
					11/05/24	ND	39.11	0.00	39.11	3,523.83	10.38
					11/21/24	ND	39.16	0.00	39.16	3,523.78	10.33
					12/03/24	ND	39.15	0.00	39.15	3,523.79	10.34
					12/16/24	ND	39.14	0.00	39.14	3,523.80	10.35
01/03/25	ND	39.14	0.00	39.14	3,523.80	10.35					
01/15/25	ND	39.12	0.00	39.12	3,523.82	10.37					
01/29/25	ND	39.13	0.00	39.13	3,523.81	10.36					
02/10/25	ND	39.14	0.00	39.14	3,523.80	10.35					
02/24/25	ND	39.15	0.00	39.15	3,523.79	10.34					
03/10/25	ND	39.16	0.00	39.16	3,523.78	10.33					
03/31/25	ND	39.16	0.00	39.16	3,523.78	10.33					
04/08/25	ND	39.15	0.00	39.15	3,523.79	10.34					
05/06/25	ND	39.19	0.00	39.19	3,523.75	10.30					
06/02/25	ND	39.20	0.00	39.20	3,523.74	10.29					
07/17/25	ND	39.19	0.00	39.19	3,523.75	10.30					
08/25/25	ND	39.22	0.00	39.22	3,523.72	10.27					
09/10/25	ND	39.26	0.00	39.26	3,523.68	10.23					
10/09/25	ND	39.28	0.00	39.28	3,523.66	10.21					
11/19/25	ND	39.32	0.00	39.32	3,523.62	10.17					
12/30/25	ND	39.32	0.00	39.32	3,523.62	10.17					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-03	49.93	3,562.91	3,562.81	29.68 - 49.68	11/07/20	ND	37.58	0.00	37.58	3,525.23	12.35
					05/25/21	ND	37.79	0.00	37.79	3,525.02	12.14
					10/12/21	ND	37.99	0.00	37.99	3,524.82	11.94
					08/16/22	ND	38.31	0.00	38.31	3,524.50	11.62
					12/20/22	ND	38.49	0.00	38.49	3,524.32	11.44
					02/22/23	ND	38.51	0.00	38.51	3,524.30	11.42
					06/20/23	ND	38.56	0.00	38.56	3,524.25	11.37
					09/14/23	ND	38.71	0.00	38.71	3,524.10	11.22
					10/17/23	ND	37.73	0.00	37.73	3,525.08	12.20
					12/13/23	ND	38.81	0.00	38.81	3,524.00	11.12
					03/07/24	ND	38.80	0.00	38.80	3,524.01	11.13
					05/08/24	ND	38.83	0.00	38.83	3,523.98	11.10
					05/10/24	ND	38.85	0.00	38.85	3,523.96	11.08
					05/17/24	ND	38.83	0.00	38.83	3,523.98	11.10
					05/30/24	ND	38.85	0.00	38.85	3,523.96	11.08
					06/05/24	ND	38.88	0.00	38.88	3,523.93	11.05
					06/11/24	ND	38.88	0.00	38.88	3,523.93	11.05
					06/19/24	ND	38.89	0.00	38.89	3,523.92	11.04
					06/25/24	ND	38.91	0.00	38.91	3,523.90	11.02
					07/02/24	ND	38.94	0.00	38.94	3,523.87	10.99
					07/09/24	ND	38.90	0.00	38.90	3,523.91	11.03
					07/22/24	ND	39.02	0.00	39.02	3,523.79	10.91
					08/13/24	ND	39.02	0.00	39.02	3,523.79	10.91
					08/26/24	ND	39.00	0.00	39.00	3,523.81	10.93
					09/11/24	ND	39.02	0.00	39.02	3,523.79	10.91
					09/23/24	ND	39.02	0.00	39.02	3,523.79	10.91
					10/07/24	ND	39.02	0.00	39.02	3,523.79	10.91
					10/23/24	ND	39.08	0.00	39.08	3,523.73	10.85
					11/05/24	ND	39.08	0.00	39.08	3,523.73	10.85
					11/21/24	ND	39.13	0.00	39.13	3,523.68	10.80
					12/03/24	ND	39.12	0.00	39.12	3,523.69	10.81
12/16/24	ND	39.09	0.00	39.09	3,523.72	10.84					
01/03/25	ND	39.09	0.00	39.09	3,523.72	10.84					
01/15/25	ND	39.04	0.00	39.04	3,523.77	10.89					
01/29/25	ND	39.22	0.00	39.22	3,523.59	10.71					
02/10/25	ND	39.15	0.00	39.15	3,523.66	10.78					
02/24/25	ND	39.12	0.00	39.12	3,523.69	10.81					
03/10/25	ND	39.14	0.00	39.14	3,523.67	10.79					
03/31/25	ND	39.14	0.00	39.14	3,523.67	10.79					
04/08/25	ND	39.12	0.00	39.12	3,523.69	10.81					
05/06/25	ND	39.15	0.00	39.15	3,523.66	10.78					
06/02/25	ND	38.18	0.00	38.18	3,524.63	11.75					
07/17/25	ND	39.17	0.00	39.17	3,523.64	10.76					
08/25/25	ND	39.2	0.00	39.20	3,523.61	10.73					
09/10/25	ND	39.25	0.00	39.25	3,523.56	10.68					
10/09/25	ND	39.25	0.00	39.25	3,523.56	10.68					
11/19/25	ND	39.30	0.00	39.30	3,523.51	10.63					
12/30/25	ND	39.31	0.00	39.31	3,523.50	10.62					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-04	50.31	3,563.26	3,563.12	30.06 - 50.06	11/07/20	ND	37.92	0.00	37.92	3,525.20	12.39
					05/25/21	ND	38.12	0.00	38.12	3,525.00	12.19
					10/06/21	ND	38.28	0.00	38.28	3,524.84	12.03
					08/16/22	ND	38.64	0.00	38.64	3,524.48	11.67
					12/20/22	ND	38.82	0.00	38.82	3,524.30	11.49
					02/22/23	ND	38.85	0.00	38.85	3,524.27	11.46
					06/20/23	ND	38.91	0.00	38.91	3,524.21	11.4
					09/14/23	ND	39.05	0.00	39.05	3,524.07	11.26
					10/17/23	ND	38.08	0.00	38.08	3,525.04	12.23
					12/13/23	ND	39.14	0.00	39.14	3,523.98	11.17
					03/07/24	ND	39.12	0.00	39.12	3,524.00	11.19
					05/08/24	ND	39.17	0.00	39.17	3,523.95	11.14
					05/10/24	ND	39.18	0.00	39.18	3,523.94	11.13
					05/17/24	ND	39.22	0.00	39.22	3,523.90	11.09
					05/30/24	ND	39.16	0.00	39.16	3,523.96	11.15
					06/05/24	ND	39.19	0.00	39.19	3,523.93	11.12
					06/11/24	ND	39.18	0.00	39.18	3,523.94	11.13
					06/19/24	ND	39.21	0.00	39.21	3,523.91	11.1
					06/25/24	ND	39.21	0.00	39.21	3,523.91	11.1
					07/02/24	ND	39.26	0.00	39.26	3,523.86	11.05
					07/09/24	ND	39.23	0.00	39.23	3,523.89	11.08
					07/22/24	ND	39.32	0.00	39.32	3,523.80	10.99
					08/13/24	ND	39.31	0.00	39.31	3,523.81	11
					08/26/24	ND	39.35	0.00	39.35	3,523.77	10.96
					09/11/24	ND	39.38	0.00	39.38	3,523.74	10.93
					09/23/24	ND	39.37	0.00	39.37	3,523.75	10.94
					10/07/24	ND	39.36	0.00	39.36	3,523.76	10.95
					10/23/24	ND	39.38	0.00	39.38	3,523.74	10.93
					11/05/24	ND	39.41	0.00	39.41	3,523.71	10.9
					11/21/24	ND	39.44	0.00	39.44	3,523.68	10.87
					12/03/24	ND	39.45	0.00	39.45	3,523.67	10.86
					12/16/24	ND	39.46	0.00	39.46	3,523.66	10.85
					01/03/25	ND	39.45	0.00	39.45	3,523.67	10.86
					01/15/25	ND	39.43	0.00	39.43	3,523.69	10.88
					01/29/25	ND	39.45	0.00	39.45	3,523.67	10.86
					02/10/25	ND	39.44	0.00	39.44	3,523.68	10.87
02/24/25	ND	39.44	0.00	39.44	3,523.68	10.87					
03/10/25	ND	39.45	0.00	39.45	3,523.67	10.86					
03/31/25	ND	39.45	0.00	39.45	3,523.67	10.86					
04/08/25	ND	39.45	0.00	39.45	3,523.67	10.86					
05/06/25	ND	39.47	0.00	39.47	3,523.65	10.84					
06/02/25	ND	39.5	0.00	39.5	3,523.62	10.81					
07/17/25	ND	39.5	0.00	39.5	3,523.62	10.81					
08/25/25	ND	39.52	0.00	39.52	3,523.60	10.79					
09/10/25	ND	39.58	0.00	39.58	3,523.54	10.73					
10/09/25	ND	39.59	0.00	39.59	3,523.53	10.72					
11/19/25	ND	39.62	0.00	39.62	3,523.50	10.69					
12/30/25	ND	39.63	0.00	39.63	3,523.49	10.68					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
MW-05	49.72	3,563.62	3,563.40	29.47 - 49.47	05/28/21	ND	38.15	0.00	38.15	3,525.25	11.57
					10/12/21	ND	38.34	0.00	38.34	3,525.06	11.38
					08/16/22	ND	38.68	0.00	38.68	3,524.72	11.04
					12/20/22	ND	38.89	0.00	38.89	3,524.51	10.83
					02/22/23	ND	38.89	0.00	38.89	3,524.51	10.83
					06/20/23	ND	38.92	0.00	38.92	3,524.48	10.80
					09/14/23	ND	39.49	0.00	39.49	3,523.91	10.23
					10/17/23	ND	38.11	0.00	38.11	3,525.29	11.61
					12/13/23	ND	39.21	0.00	39.21	3,524.19	10.51
					03/07/24	ND	39.19	0.00	39.19	3,524.21	10.53
					05/08/24	ND	39.22	0.00	39.22	3,524.18	10.50
					05/17/24	ND	39.23	0.00	39.23	3,524.17	10.49
					05/30/24	ND	39.23	0.00	39.23	3,524.17	10.49
					06/05/24	ND	39.23	0.00	39.23	3,524.17	10.49
					06/11/24	ND	39.24	0.00	39.24	3,524.16	10.48
					06/19/24	ND	39.28	0.00	39.28	3,524.12	10.44
					06/25/24	ND	39.28	0.00	39.28	3,524.12	10.44
					07/02/24	ND	39.30	0.00	39.30	3,524.10	10.42
					07/09/24	ND	39.27	0.00	39.27	3,524.13	10.45
					07/22/24	ND	39.35	0.00	39.35	3,524.05	10.37
					08/13/24	ND	39.38	0.00	39.38	3,524.02	10.34
					08/26/24	ND	39.39	0.00	39.39	3,524.01	10.33
					09/11/24	ND	39.43	0.00	39.43	3,523.97	10.29
					09/23/24	ND	39.48	0.00	39.48	3,523.92	10.24
					10/07/24	ND	39.42	0.00	39.42	3,523.98	10.30
					10/23/24	ND	39.44	0.00	39.44	3,523.96	10.28
					11/05/24	ND	39.48	0.00	39.48	3,523.92	10.24
					11/21/24	ND	39.51	0.00	39.51	3,523.89	10.21
					12/03/24	ND	39.50	0.00	39.50	3,523.90	10.22
					12/16/24	ND	39.50	0.00	39.50	3,523.90	10.22
					01/03/25	ND	39.49	0.00	39.49	3,523.91	10.23
					01/15/25	ND	39.49	0.00	39.49	3,523.91	10.23
					01/29/25	ND	39.50	0.00	39.50	3,523.90	10.22
					02/10/25	ND	39.51	0.00	39.51	3,523.89	10.21
					02/24/25	ND	39.52	0.00	39.52	3,523.88	10.20
					03/10/25	ND	39.51	0.00	39.51	3,523.89	10.21
					03/31/25	ND	39.52	0.00	39.52	3,523.88	10.20
					04/08/25	ND	39.52	0.00	39.52	3,523.88	10.20
					05/06/25	ND	39.54	0.00	39.54	3,523.86	10.18
					06/02/25	ND	39.58	0.00	39.58	3,523.82	10.14
07/17/25	ND	39.58	0.00	39.58	3,523.82	10.14					
08/25/25	ND	39.61	0.00	39.61	3,523.79	10.11					
09/10/25	ND	39.62	0.00	39.62	3,523.78	10.10					
10/09/25	ND	39.64	0.00	39.64	3,523.76	10.08					
11/19/25	ND	39.66	0.00	39.66	3,523.74	10.06					
12/30/25	ND	39.70	0.00	39.70	3,523.70	10.02					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
BV-1-D	39.90		3,561.95	32.65 - 39.65	03/07/24	ND	37.81	0.00	37.81	3524.14	2.09
					05/08/24	ND	37.95	0.00	37.95	3524.00	1.95
					05/17/24	ND	38.17	0.00	38.17	3523.78	1.73
					05/30/24	ND	38.22	0.00	38.22	3523.73	1.68
					06/05/24	ND	38.22	0.00	38.22	3523.73	1.68
					06/11/24	ND	38.24	0.00	38.24	3523.71	1.66
					06/19/24	ND	38.26	0.00	38.26	3523.69	1.64
					06/25/24	ND	38.23	0.00	38.23	3523.72	1.67
					07/02/24	ND	38.29	0.00	38.29	3523.66	1.61
					07/09/24	ND	38.26	0.00	38.26	3523.69	1.64
					07/22/24	ND	38.78	0.00	38.78	3523.17	1.12
					08/13/24	ND	38.32	0.00	38.32	3523.63	1.58
					08/26/24	ND	38.36	0.00	38.36	3523.59	1.54
					09/12/24	ND	39.56	0.00	39.56	3522.39	0.34
					09/24/24	ND	39.40	0.00	39.40	3522.55	0.50
					10/07/24	ND	38.90	0.00	38.90	3523.05	1.00
					10/23/24	38.39	38.72	0.33	38.42	3523.53	1.48
					11/05/24	38.14	38.38	0.24	38.16	3523.79	1.74
					11/21/24	38.22	38.47	0.25	38.24	3523.71	1.66
					12/03/24	38.13	38.53	0.40	38.17	3523.78	1.73
					12/17/24	38.19	38.52	0.33	38.22	3523.73	1.68
					01/03/25	38.16	38.49	0.33	38.19	3523.76	1.71
					01/15/25	38.80	39.28	0.48	38.85	3523.10	1.05
					01/29/25	38.18	38.64	0.46	38.22	3523.73	1.68
					02/10/25	38.16	38.64	0.48	38.21	3523.74	1.69
					02/24/25	38.19	38.58	0.39	38.23	3523.72	1.67
					03/10/25	38.17	38.62	0.45	38.21	3523.74	1.69
					03/31/25	38.18	38.66	0.48	38.23	3523.72	1.67
					04/08/25	38.19	38.59	0.40	38.23	3523.72	1.67
					05/06/25	38.21	38.74	0.53	38.26	3523.69	1.64
					06/02/25	38.35	38.75	0.40	38.39	3523.56	1.51
07/17/25	38.21	38.74	0.53	38.26	3523.69	1.64					
08/25/25	38.24	38.95	0.71	38.31	3523.64	1.59					
09/10/25	38.28	38.82	0.54	38.33	3523.62	1.57					
10/09/25	38.30	38.95	0.65	38.36	3523.59	1.54					
11/19/25	38.36	39.02	0.66	38.42	3523.53	1.48					
12/30/25	38.36	38.91	0.55	38.41	3523.54	1.49					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
BV-2-D	42.30		3,561.73	34.85 - 39.85	03/07/24	ND	37.52	0.00	37.52	3524.21	4.78
					05/08/24	ND	37.71	0.00	37.71	3524.02	4.59
					05/17/24	ND	37.95	0.00	37.95	3523.78	4.35
					05/30/24	ND	37.97	0.00	37.97	3523.76	4.33
					06/05/24	ND	37.99	0.00	37.99	3523.74	4.31
					06/11/24	ND	37.99	0.00	37.99	3523.74	4.31
					06/19/24	ND	38.01	0.00	38.01	3523.72	4.29
					06/25/24	ND	38.01	0.00	38.01	3523.72	4.29
					07/02/24	ND	38.11	0.00	38.11	3523.62	4.19
					07/09/24	ND	38.01	0.00	38.01	3523.72	4.29
					07/22/24	ND	38.13	0.00	38.13	3523.60	4.17
					08/13/24	ND	38.61	0.00	38.61	3523.12	3.69
					08/26/24	ND	38.16	0.00	38.16	3523.57	4.14
					09/12/24	ND	38.21	0.00	38.21	3523.52	4.09
					09/24/24	ND	38.33	0.00	38.33	3523.40	3.97
					10/07/24	ND	38.19	0.00	38.19	3523.54	4.11
					10/23/24	ND	38.18	0.00	38.18	3523.55	4.12
					11/05/24	ND	38.19	0.00	38.19	3523.54	4.11
					11/21/24	ND	38.23	0.00	38.23	3523.50	4.07
					12/03/24	ND	38.24	0.00	38.24	3523.49	4.06
					12/17/24	ND	38.26	0.00	38.26	3523.47	4.04
					01/03/25	ND	38.21	0.00	38.21	3523.52	4.09
					01/15/25	ND	37.21	0.00	37.21	3524.52	5.09
					01/29/25	ND	38.21	0.00	38.21	3523.52	4.09
					02/10/25	ND	38.22	0.00	38.22	3523.51	4.08
					02/24/25	ND	38.00	0.00	38.00	3523.73	4.30
					03/10/25	ND	37.98	0.00	37.98	3523.75	4.32
					03/31/25	ND	38.00	0.00	38.00	3523.73	4.30
					04/08/25	ND	37.98	0.00	37.98	3523.75	4.32
					05/06/25	ND	38.02	0.00	38.02	3523.71	4.28
06/02/25	ND	38.05	0.00	38.05	3523.68	4.25					
07/17/25	ND	38.05	0.00	38.05	3523.68	4.25					
08/25/25	ND	38.09	0.00	38.09	3523.64	4.21					
09/10/25	ND	38.11	0.00	38.11	3523.62	4.19					
10/09/25	ND	38.15	0.00	38.15	3523.58	4.15					
11/19/25	ND	37.18	0.00	37.18	3524.55	5.12					
12/30/25	ND	ND									

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
BV-3-D	42.30		3,562.12	35.05 - 42.05	03/07/24	38.20	39.20	1.00	38.30	3523.83	4.01
					05/08/24	38.25	39.05	0.80	38.33	3523.79	3.97
					05/10/24	38.32	38.36	0.04	38.32	3523.80	3.98
					05/17/24	38.27	39.09	0.82	38.35	3523.77	3.95
					05/30/24	38.72	39.09	0.37	38.76	3523.36	3.54
					06/05/24	38.29	39.26	0.97	38.38	3523.74	3.92
					06/11/24	38.36	39.25	0.89	38.44	3523.68	3.86
					06/19/24	38.30	39.15	0.85	38.38	3523.74	3.92
					06/25/24	38.33	39.07	0.74	38.40	3523.72	3.90
					07/02/24	38.34	39.08	0.74	38.41	3523.71	3.89
					07/09/24	38.35	38.95	0.60	38.41	3523.71	3.89
					07/22/24	38.41	38.45	0.04	38.41	3523.71	3.89
					08/27/24	38.43	39.12	0.69	38.50	3523.62	3.80
					09/12/24	38.46	39.21	0.75	38.53	3523.59	3.77
					09/24/24	39.20	39.42	0.22	39.22	3522.90	3.08
					10/07/24	38.48	39.18	0.70	38.55	3523.57	3.75
					10/23/24	38.45	39.31	0.86	38.53	3523.59	3.77
					11/05/24	38.49	39.33	0.84	38.57	3523.55	3.73
					11/21/24	38.55	39.16	0.61	38.61	3523.51	3.69
					12/03/24	38.47	39.25	0.78	38.54	3523.58	3.76
					12/16/24	38.54	39.22	0.68	38.60	3523.52	3.70
					01/03/25	38.78	39.39	0.61	38.84	3523.28	3.46
					01/15/25	38.15	38.51	0.36	38.18	3523.94	4.12
					01/29/25	--	--	--	--	--	--
					02/10/25	39.66	39.67	0.01	39.66	3522.46	2.64
					02/24/25	--	--	--	--	--	--
					03/10/25	ND	39.75	0.00	39.75	3522.37	2.55
					03/31/25	ND	38.72	0.00	38.72	3523.40	3.58
					04/08/25	--	--	--	--	--	--
					05/06/25	ND	39.77	0.00	39.77	3522.35	2.53
06/02/25	ND	38.21	0.00	38.21	3523.91	4.09					
07/17/25	--	--	--	--	--	--					
08/25/25	--	--	--	--	--	--					
09/10/25	--	--	--	--	--	--					
10/09/25	--	--	--	--	--	--					
11/19/25	39.80	40.21	0.41	39.84	3522.28	2.46					
12/30/25	39.79	40.63	0.84	39.87	3522.25	2.43					

**ATTACHMENT E
MONTHLY FLUID LEVEL MEASUREMENTS
WTX TO EMSU BATTERY TO BYRD PUMP SEGMENT, LEA COUNTY, NM**

Monitor Well ID	Well Total Depth (feet btoc)	Ground Surface at Well Elevation (feet amsl)	Well Top of Casing Elevation (feet amsl)	Screened Interval (feet btoc)	Gauging Date	Depth to LNAPL (feet btoc)	Depth to Water (feet btoc)	LNAPL Thickness (feet)	Corrected Depth to Water (feet btoc)	Corrected Groundwater Elevation (feet amsl)	Well Saturated Thickness (feet)
BV-4-D	39.50		3,561.44	29.25 - 39.25	03/07/24	ND	37.30	0.00	37.30	3524.14	2.20
					05/08/24	ND	37.45	0.00	37.45	3523.99	2.05
					05/17/24	ND	37.70	0.00	37.70	3523.74	1.80
					05/30/24	ND	37.71	0.00	37.71	3523.73	1.79
					06/05/24	ND	37.72	0.00	37.72	3523.72	1.78
					06/11/24	ND	37.71	0.00	37.71	3523.73	1.79
					06/19/24	ND	37.72	0.00	37.72	3523.72	1.78
					06/25/24	ND	37.75	0.00	37.75	3523.69	1.75
					07/02/24	ND	37.81	0.00	37.81	3523.63	1.69
					07/09/24	ND	37.73	0.00	37.73	3523.71	1.77
					07/22/24	ND	37.85	0.00	37.85	3523.59	1.65
					08/13/24	ND	38.02	0.00	38.02	3523.42	1.48
					08/26/24	ND	37.88	0.00	37.88	3523.56	1.62
					09/12/24	ND	37.92	0.00	37.92	3523.52	1.58
					09/24/24	ND	37.94	0.00	37.94	3523.50	1.56
					10/07/24	ND	37.91	0.00	37.91	3523.53	1.59
					10/23/24	ND	37.91	0.00	37.91	3523.53	1.59
					11/05/24	ND	37.92	0.00	37.92	3523.52	1.58
					11/21/24	ND	37.97	0.00	37.97	3523.47	1.53
					12/03/24	ND	37.97	0.00	37.97	3523.47	1.53
					12/17/24	ND	37.98	0.00	37.98	3523.46	1.52
					01/03/25	ND	37.97	0.00	37.97	3523.47	1.53
					01/15/25	ND	37.97	0.00	37.97	3523.47	1.53
					01/29/25	ND	37.97	0.00	37.97	3523.47	1.53
					02/10/25	ND	37.98	0.00	37.98	3523.46	1.52
					02/24/25	ND	37.74	0.00	37.74	3523.70	1.76
					03/10/25	ND	37.73	0.00	37.73	3523.71	1.77
					03/31/25	ND	37.74	0.00	37.74	3523.70	1.76
					04/08/25	ND	37.74	0.00	37.74	3523.70	1.76
					05/06/25	ND	37.78	0.00	37.78	3523.66	1.72
					06/02/25	ND	37.79	0.00	37.79	3523.65	1.71
07/17/25	ND	37.81	0.00	37.81	3523.63	1.69					
08/25/25	ND	37.82	0.00	37.82	3523.62	1.68					
09/10/25	ND	37.86	0.00	37.86	3523.58	1.64					
10/09/25	ND	37.87	0.00	37.87	3523.57	1.63					
11/19/25	ND	37.92	0.00	37.92	3523.52	1.58					
12/30/25	ND	37.95	0.00	37.95	3523.49	1.55					

Notes:

amsl = above mean sea level.

btoc = below top of casing.

LNAPL = light non-aqueous phase liquid.

ND = not detected.

-- = not measured.

BV top of casing elevations calculated from laser level survey conducted on 8/27/2024.

Corrected water level elevations calculated using LNAPL specific gravity of 0.905 for MW-01, BV-1-D, and BV-3-D.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 579261

CONDITIONS

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 579261
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	5/5/2026