Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory**

Contractor recommendations approved by NMOCD and are as follows;

1. Complete monthly MDPE events
2. Perform quarterly groundwater monitoring events in accordance with NMOCD directives
3. Submit annual report to NMOCD no later than March 31,2023.

REVIEWED
By Nelson Velez at 8:32 am, Jul 19, 2022



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2021 ANNUAL GROUNDWATER MONITORING REPORT

KIMBROUGH SWEET 8”
LEA COUNTY, NEW MEXICO
SRS #2000—10757
NMOCD REF. # AP-0029, nAPP2109529734

PREPARED FOR:
PLAINS MARKETING, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS 77002

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ARTESIA, NEW MEXICO 88210

FEBRUARY 21, 2022

2021 ANNUAL GROUNDWATER MONITORING REPORT

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FEBRUARY 21, 2022

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NMOCD - New Mexico Oil Conservation Division
NMSLO – New Mexico State Land Office

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APPENDICES

1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

The Kimbrough Sweet 8" (site) is located approximately seven (7) miles northwest of Hobbs, New Mexico in Unit G, Section 3, Township 18 South, and Range 37 East. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8-inch steel pipeline on October 25, 2000. At the time of the release, the pipeline was owned by EOTT Energy Pipeline. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Marketing, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 60 barrels (bbls) of crude oil were released and impacted approximately 15,613 square feet of surface area. Approximately 22 bbls of crude oil was recovered during initial remediation activities.

The site is situated within a physiographic region that is on the extreme south-western portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

The topography proximal to the site is typical of the Southern High Plains, essentially flat with shallow depressions, or playa lakes, dotting the landscape. The prominent surface features on the Southern High Plains are the approximately 19,250 ephemeral playa lakes; however, the density of the playa lakes diminishes toward the southern extent of the Southern High Plains. During periods of rainfall, the playas accumulate sheet runoff from watershed areas ranging in size from less than one square mile to several square miles. Only a small portion of drainage from rainfall occurs by streams. Playa lakes that collect storm water runoff can act as a recharge mechanism for groundwater.

The average elevation of the site area is approximately 3,720-feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

On February 5, 2007, Talon/LPE (Talon) was retained by Plains to assume remediation activities at the site that were previously conducted by Environmental Plus, Inc. (EPI).

1.2 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands.' The soil in the upper two (2) feet at the site is composed of gravelly loam that contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern

Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleovalley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin has experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.3 Previous Environmental Investigations

Currently, a total of 17 groundwater monitor wells are in use in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor wells MW-1, MW-2, MW-3, and MW-4 were installed in January 2002. Groundwater monitor wells MW-5, MW-7, MW-8, and MW-9 were installed in July 2004, and monitor wells MW-6, MW-10, and MW-11 were installed in December 2004. Monitor wells MW-12 and MW-13 were installed on March 11, 2009 and monitor wells MW-14 and MW-15 were installed in January of 2011. Monitor Well MW-1 was plugged and abandoned. Replacement monitor well MW-1A and monitor wells MW-16, MW-17, and MW-18 were installed in November of 2013.

Phase-separated hydrocarbon (PSH) recovery operations have been performed at the site since January 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March of 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells MW-5 and MW-6. In November of 2011, additional 12V-powered total fluids pumps were installed in monitor wells MW-2 and MW-11. In October 2012, an internal combustion engine (ICE) system for running pumps and vapor extraction was installed on site. There were five (5) total fluids pumps, powered by an ICE unit, in monitor wells MW-5, MW-6, MW-7, MW-8, MW-11, and two (2) solar powered electric pumps in MW-2, and MW-9 at that time. The engine for the ICE unit failed in May 2016. Operation of the ICE unit was discontinued at that time.

Beginning in June 2016, Mobile Dual-Phase Extraction (MDPE) events began and are currently conducted on a monthly basis. No other types of PSH recovery are being carried out at this site.

In August of 2018, six wells (MW-2, MW-4, MW-7, MW-8, MW-10, and MW-11) were plugged and abandoned due to decreasing groundwater levels. Five replacement wells were installed (MW-2A, MW-7A, MW-8A, MW-11A, and MW-19), and one well (MW-1A) was repaired due to vandalism.

Twelve (12) MDPE events were conducted monthly, beginning January of 2021 and ending December of 2021.

Approximately 612.02 bbls of PSH consisting of 270.37 bbls of vapor phase and 341.65 bbls of liquid phase PSH have been recovered from the site to date.

1.4 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

(NMWQCC) groundwater standards	
Compound	**mg/L**
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]-pyrene)	0.0007

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2021. Analytical results for the four (4) sampling events are summarized in Table 2 and Table 3 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chains of custody documentation are included in Appendix C.

2.0 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and PSH recovery activities conducted at the subject site during 2021. The primary function of groundwater monitoring is to measure the depths to fluids and to collect groundwater samples from monitor wells for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impacting the groundwater and determining if modifications to the remediation system would improve its performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon during the year 2021 on March 22-26, June 15-18, September 16-17, and November 30-December 1. During all of the groundwater monitoring events, the depths to fluids were measured in all of the monitoring wells using an oil/water interface probe.

During the March 2021 groundwater monitoring event all monitor wells were gauged. Twelve (12) monitor wells (MW-1A, MW-2A, MW-7A, MW-8A, and MW-12 through MW-19) were purged and sampled. Two (2) monitor wells (MW-6 and MW-11A) were not sampled due to the presence of PSH, one (1) monitor well (MW-3) did not have enough water to sample, and two (2) monitor wells (MW-5 and MW-9) were dry. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

During the June 2021 groundwater monitoring event all monitor wells were gauged. Ten (10) monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were purged and sampled. Three (3) monitor wells (MW-2A, MW-6, and MW-11A) were not sampled due to the presence of PSH, three (3) monitor wells (MW-3, MW-5, and MW-9) were dry, and one (1) monitor well (MW-13) was purged dry without recovery. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

During the September 2021 groundwater monitoring event all monitor wells were gauged. Eleven (11) monitor wells (MW-1A, MW-2A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were purged and sampled. Two (2) monitor wells (MW-6 and MW-11A) were not sampled due to the presence of PSH, two (2) monitor wells did not have enough water to sample, and two (2) monitor wells (MW-3 and MW-5) were dry. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

During the November/December 2021 groundwater monitoring event all monitor wells were gauged. Ten (10) monitor wells (MW-1A, MW-7A, MW-8A, MW-12, MW-14 through MW-19) were purged and sampled. Three (3) monitor wells (MW-2A, MW-6, and MW-11A) were not sampled due to the presence of PSH, two (2) monitor wells (MW-9 and MW-13) did not have enough water to sample, and two (2) monitor wells (MW-3 and MW-5) were dry. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

2.2 Groundwater Gauging, Purging, and Sample Collection Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations if present. The data collected from measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during the four (4) events are incorporated in Table 1 – Summary of Historical Fluid Level Measurements.

Subsequent to gauging, all monitor wells not impacted with PSH were purged a minimum of three (3) casing volumes using a 12-volt, submersible pump equipped with vinyl tubing. The purge pump and tubing were decontaminated with Alconox® detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in on-site 55-gallon drums. The purge water is then placed into the on-site holding tank for subsequent disposal at Gandy Marley via vacuum truck.

Groundwater samples were collected from all monitor wells using disposable polyethylene bailers. Each groundwater sample was contained in laboratory supplied sample containers with the appropriate preservative required for the analysis requested.

The groundwater samples were maintained on ice, in the custody of Talon personnel, until they were delivered to Xenco Laboratory in Carlsbad, New Mexico for analyses. The groundwater samples collected during all four events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March of 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells MW-5 and MW-6. In November of 2011, additional 12V-powered total fluids pumps were installed in monitor wells MW-2 and MW-11. In October 2012, an ICE system for running pumps and vapor extraction was installed on site.

The system utilized five (5) pneumatic total fluid pumps in monitor wells MW-5, MW-6, MW-7, MW-8, and MW-11 and two (2) 12V total fluids pumps in MW-2 and MW-9 to recover PSH and to inhibit migration of the PSH plume. The ICE assembly consisted of pneumatic total fluid pumps combined with vapor suction. Since there is no electricity at the site; the ICE system was powered by propane and vapors from listed wells. The 12V total fluids pumps operated off 12V batteries, which were charged by solar panels.

Fluid recovered by the pumps was retained in two (2) polyethylene tanks, a 3,000-gallon and a 2,500-gallon, that were added in 2011. The tanks were coupled together and were equipped with high-level shut-off switches to prevent overflow. In addition, the tanks were located within a secondary recovery compound that was equipped with a polyethylene liner. The ICE system discontinued operation in May 2016.

Currently, there are no fluid pumps in use at this site. One (1) 2,500-gallon polyethylene tank is currently in use. MDPE events are conducted monthly. This system utilizes vapor pulled by vacuum combined with propane to power an internal combustion engine, which also powers a compressor and the blower used to create vacuum for vapor recovery. Compressed air from the system drives pneumatic pumps placed in the various wells containing PSH. Fluid recovered by the pumps is retained in the onsite polyethylene tank. Recovered groundwater and PSH is removed from the polyethylene tanks and transported to an NMOCD approved disposal facility, Gandy Marley, via vacuum truck at the end of the MDPE events.

During 2021 the quarterly PSH and groundwater recovery totals are as follows:

- 1st Quarter – 3.11 bbls PSH and 125.30 bbls of groundwater
- 2nd Quarter – 4.29 bbls PSH and 152.64 bbls of groundwater
- 3rd Quarter – 3.46 bbls PSH and 92.70 bbls of groundwater
- 4th Quarter – 4.25 bbls PSH and 80.19 bbls groundwater

Twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2021. The individual MDPE event recovery totals are as follows:

- January 19, 2021 – 0.73 bbls vapor, 0.48 bbls liquid
- February 2, 2021 – 0.77 bbls vapor, 0.19 bbls liquid
- March 24, 2021 – 0.65 bbls vapor, 0.29 bbls liquid
- April 20, 2021 – 0.43 bbls vapor, 0.38 bbls liquid
- May 18, 2021 – 1.46 bbls vapor, 0.38 bbls liquid
- June 16, 2021 – 1.35 bbls vapor, 0.29 bbls liquid
- July 20, 2021 – 1.30 bbls vapor, 0.19 bbls liquid
- August 8, 2021 – 0.67 bbls vapor, 0.29 bbls liquid
- September 2, 2021 – 0.46 bbls vapor, 0.55 bbls liquid
- October 6, 2021 – 0.32 bbls vapor, 0.19 bbls liquid
- November 22, 2021 – 2.59 bbls vapor, 0.29 bbls liquid
- December 2, 2021 – 0.48 bbls vapor, 0.38 bbls liquid

In 2021, an estimated total of 15.11 bbls of PSH were recovered during the MDPE events. Approximately 612.02 bbls of PSH consisting of 270.37 bbls of vapor phase and 341.65 bbls of liquid phase PSH have been recovered from the site to date.

3.0 GROUNDWATER ASSESSMENT AND MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Data in Appendix B. Laboratory analytical data reports and chains of custody documentation are provided in Appendix C. The following sections present the results from the four (4) groundwater monitoring events conducted on the first water-bearing zone underlying the site.

3.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, including the site, is referred to as the Ogallala Aquifer or High Plains Aquifer. The Southern portion of the Ogallala Aquifer underlies an area of about 29,000 square miles in western Texas and eastern New Mexico, encompassing all or part of 31 counties in Texas and six (6) counties in New Mexico.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but average from zero to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site ranged from 60.59 feet below ground surface (bgs) to 66.05 feet bgs and the groundwater flow direction is to the east northeast. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

The composition of Ogallala groundwater is defined as mixed-cation-HCO_3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2021. The results of the fluid level measurements are summarized in Table 1, Appendix B - Summary of Historical Fluid Level Measurements.

The collected data was used to construct potentiometric surface maps in order to interpret the groundwater gradient and flow direction. The maps, designated Figures 2a through 2d, are presented in Appendix A.

The potentiometric surface maps constructed for each of the four (4) groundwater monitoring events in 2021 indicate that the groundwater flow direction is to east northeast with average gradient of 0.0038 feet per foot or approximately 20.06 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.64 feet for the year 2021 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbon (PSH)

An oil/water interface probe was used to determine the thicknesses of PSH during the four (4) groundwater monitoring events. Generally, PSH thicknesses have fluctuated from quarter to quarter during the year 2021.

In addition to potentiometric surface maps, isopleth maps were prepared depicting the measured PSH thicknesses and PSH plume geometry. PSH plume delineation and thickness maps are presented in Appendix A as Figures 3a through 3d.

- In March of 2021, PSH was observed in monitor wells MW-6 and MW-11A. PSH thickness ranged from 0.03 feet to 0.43 feet.
- In June of 2021, PSH was observed in monitor wells MW-2A, MW-6, and MW-11A. PSH thickness was 0.01 feet in each well
- In September 2021, PSH was observed in monitor wells MW-6 and MW-11A. PSH thickness ranged from 0.05 feet to 0.32 feet.
- In November/December of 2021, PSH was observed in monitor wells MW-2A, MW-6, and MW-11A. PSH thickness ranged from 0.02 feet to 0.14 feet.

PSH recovery operations have been performed at the site since 2002. A summary of the historical groundwater and PSH gauging is provided in Table 1 in Appendix B. Approximately 584.99 bbls of PSH consisting of 270.36 bbls of vapor phase and 341.63 bbls of liquid phase PSH have been recovered from the site to date.

3.4 Groundwater Sampling Results

During the first quarter, March 2021, the following monitor wells were sampled: MW-1A, MW-2A, MW-7A, MW-8A, and MW-12 through MW-19. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than method detection limit (MDL) in MW-1A, MW-7A, MW-8A, and MW-13 through MW-19 to 0.291 mg/L in MW-2A. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in MW-2A.
- Toluene concentrations were less than the laboratory MDL in all monitor wells except

MW-2A, which had a concentration of 0.00449 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled this quarter.

- Ethylbenzene concentrations were less than the laboratory MDL in all monitor wells sampled except for MW-2A and MW-8A, which had concentrations of 0.0431 mg/L and 0.000829 mg/L, respectively. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled this quarter.

- Xylene concentrations were less than the laboratory MDL in all monitor wells sampled except for MW-2A and MW-8A, which had concentrations of 0.107 mg/L and 0.00132 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.

- Polycyclic Aromatic Hydrocarbons (PAH by EPA 8270) were added to the first quarter sampling event for MW-2A. Trace levels of naphthalene were detected in MW-2A, however the concentration was not above the NMWQCC groundwater standard of 0.030 mg/L.

During the June 2021 sampling event, the following wells were sampled: MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations were less than the laboratory MDL in all wells. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells sampled this quarter.
- Toluene concentrations were less than the laboratory MDL in all wells except MW-17, which had a concentration of 0.000404 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.075 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the laboratory MDL in all wells except MW-8A, which had a concentration of 0.000987 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled this quarter.
- Xylene concentrations were below the laboratory MDL in all wells except MW-8A, which had a concentration of 0.00315 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.62 mg/L in any of the monitor wells sampled this quarter.

During the September 2021 sampling event, the following wells were sampled: MW-1A, MW-2A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations were less than the laboratory MDL in all wells except MW-2A and MW-8A, which had concentrations of 0.344 mg/L and 0.000542 mg/L,

respectively. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in MW-2A.

- Toluene concentrations were less than the laboratory MDL in all wells sampled except MW-2A, with a concentration of 0.0122 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in in any of the monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the laboratory MDL in all wells sampled except for MW-2A, MW-17, and MW-18, which had concentrations of 0.0824 mg/L, 0.000972 mg/L, and 0.00127 mg/L, respectively. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled this quarter.
- Xylene concentrations were below the laboratory MDL in all wells sampled except for MW-2A, MW-7A, and MW-8A, which had concentrations of 0.190 mg/L, 0.00112 mg/L, and 0.00472 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.62 mg/L in in any of the monitor wells sampled this quarter.

During the November/December 2021 sampling event, the following wells were sampled: MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from less than laboratory MDL all wells. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.0100 mg/L in any of the monitor wells samples this quarter.
- Toluene concentrations were less than laboratory MDL in all wells except for MW-7A, which had a concentration of 0.000477 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any of the monitor wells sampled this quarter.
- Ethylbenzene concentrations were less than laboratory MDL in all wells. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were less than laboratory MDL in all wells. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

The laboratory analytical results for BTEX are summarized in Table 2 – Summary of Historical Groundwater Analytical Results in Appendix B. The PAH laboratory analytical results are summarized in Table 3 – Summary of Historical Groundwater Analytical Results - PAH Supplement in Appendix B. Laboratory analytical data reports and chains of custody documentation are provided in Appendix C.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four (4) groundwater monitoring events conducted at the Kimbrough Sweet 8" site and Section 4.2 provides recommendations for future corrective action.

4.1 Summary of Findings

- The groundwater flow direction is to east northeast with an average gradient of 0.0038 ft/ft based on the water level measurement data collected in 2021.
- Groundwater levels at the subject site have decreased an average of 0.64 feet for the year 2021.
- PSH has impacted monitor wells MW-2A, MW-6, and MW-11A in 2021. PSH levels and extent have fluctuated in 2021 between 0.01' and 0.43'
- Approximately 15.11 bbls of PSH was recovered during the year 2021.
- Dissolved-phase concentrations were stable over the year 2021. The benzene concentration in MW-2A exceeded the NMWQCC groundwater standard of 0.010 mg/L during the 1st and 3rd quarter sampling events.
- PAH sampling was conducted on MW-2A during the 1st quarter sampling event. Trace levels of naphthalene were detected; however, it did not exceed the NMWQCC groundwater standard of 0.030 mg/L.
- NMOCD has approved reducing the sampling frequency from quarterly to a semi-annual basis for MW-12, MW-13, MW-14 and MW-15.

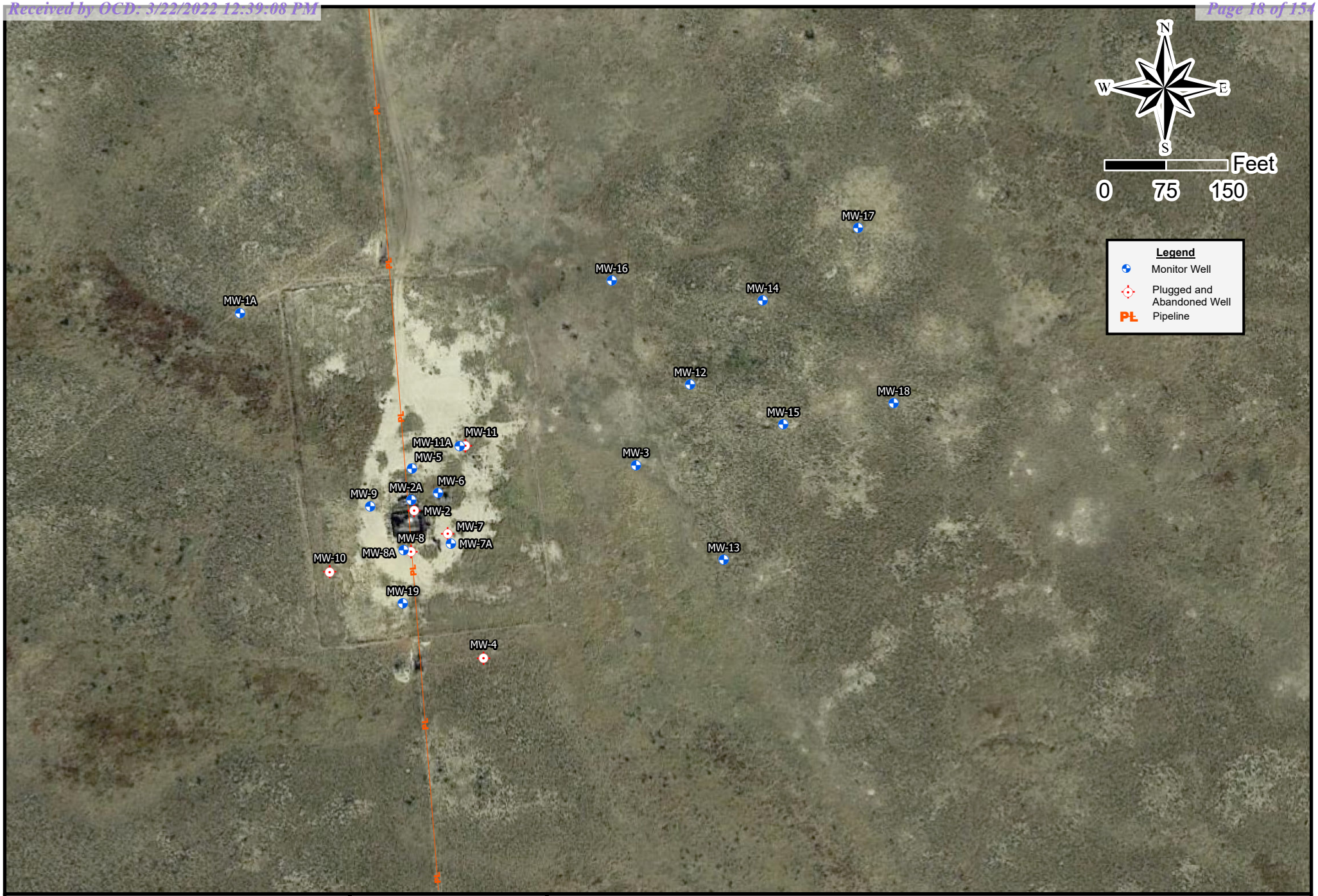
4.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon proposes the following actions:

- Conduct monthly MDPE events.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

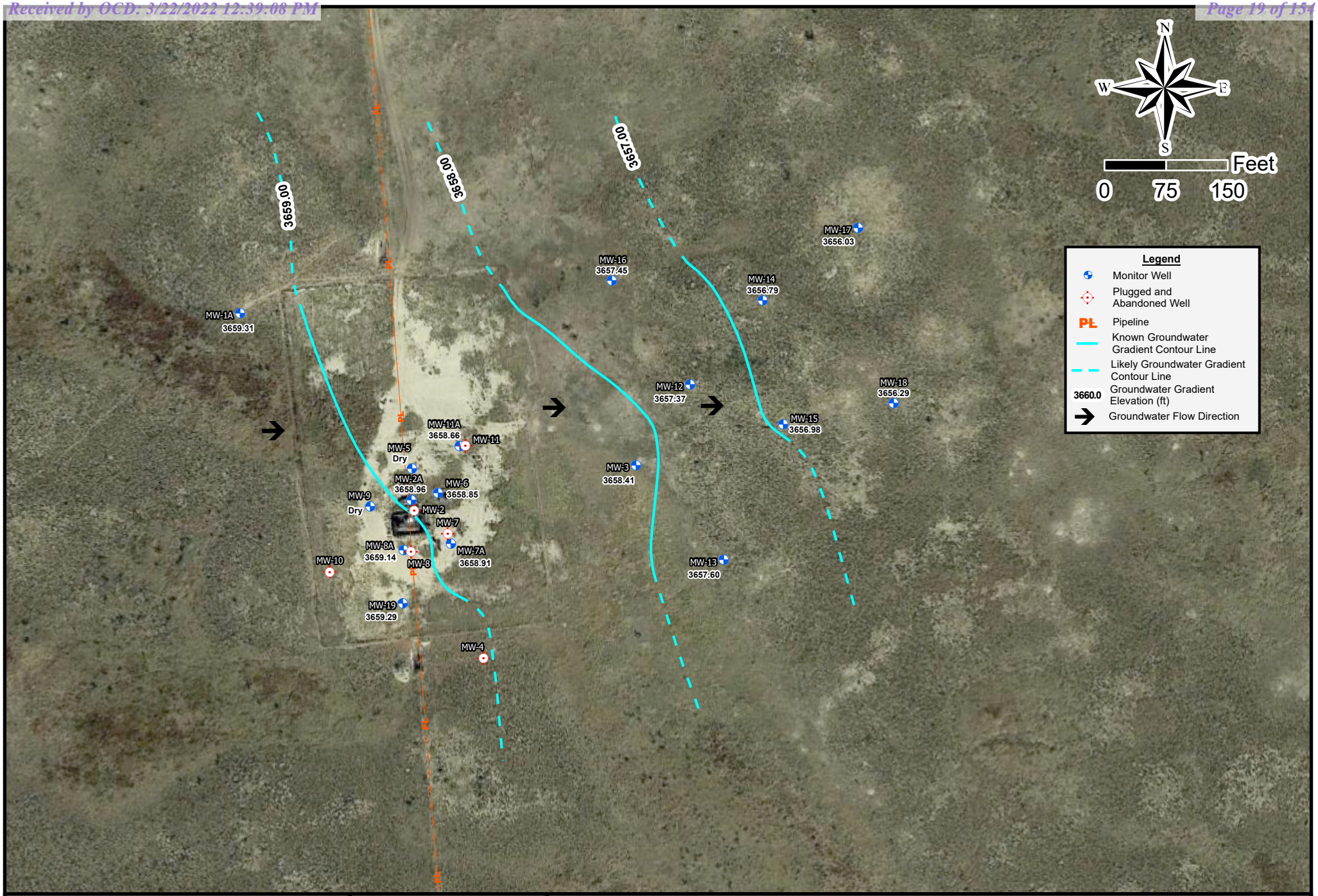
Figures



TALON LPE

Drafted: 4/7/2021
1 in = 150 ft
Drafted By: NRC

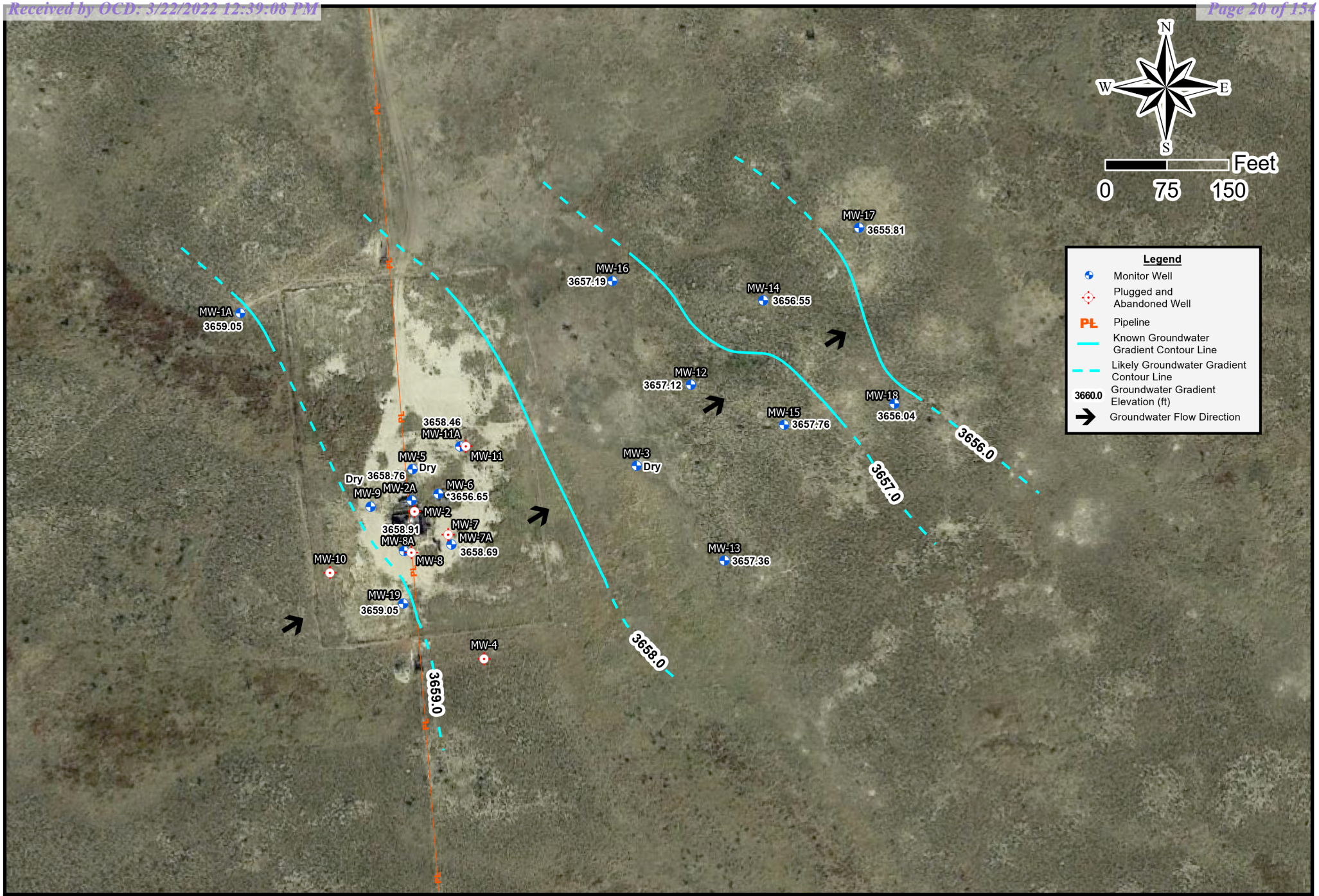
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 1 - Site Map



TALON LPE

Drafted: 5/21/2021
1 in = 150 ft
Drafted By: JAI

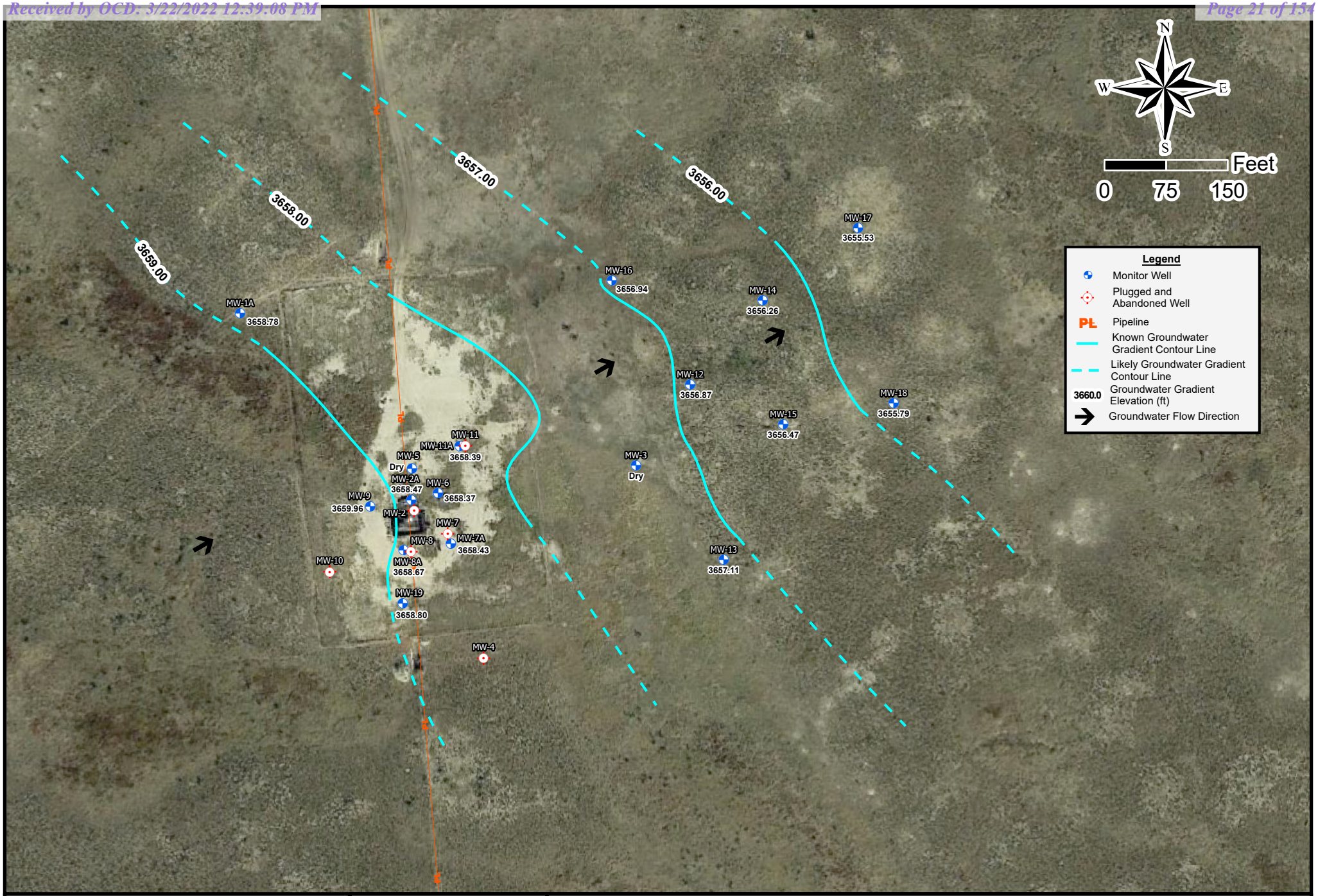
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2a - Groundwater Gradient Map (03/22-23/2021)



TALON LPE

Drafted: 8/5/2021
1 in = 150 ft
Drafted By: IJM

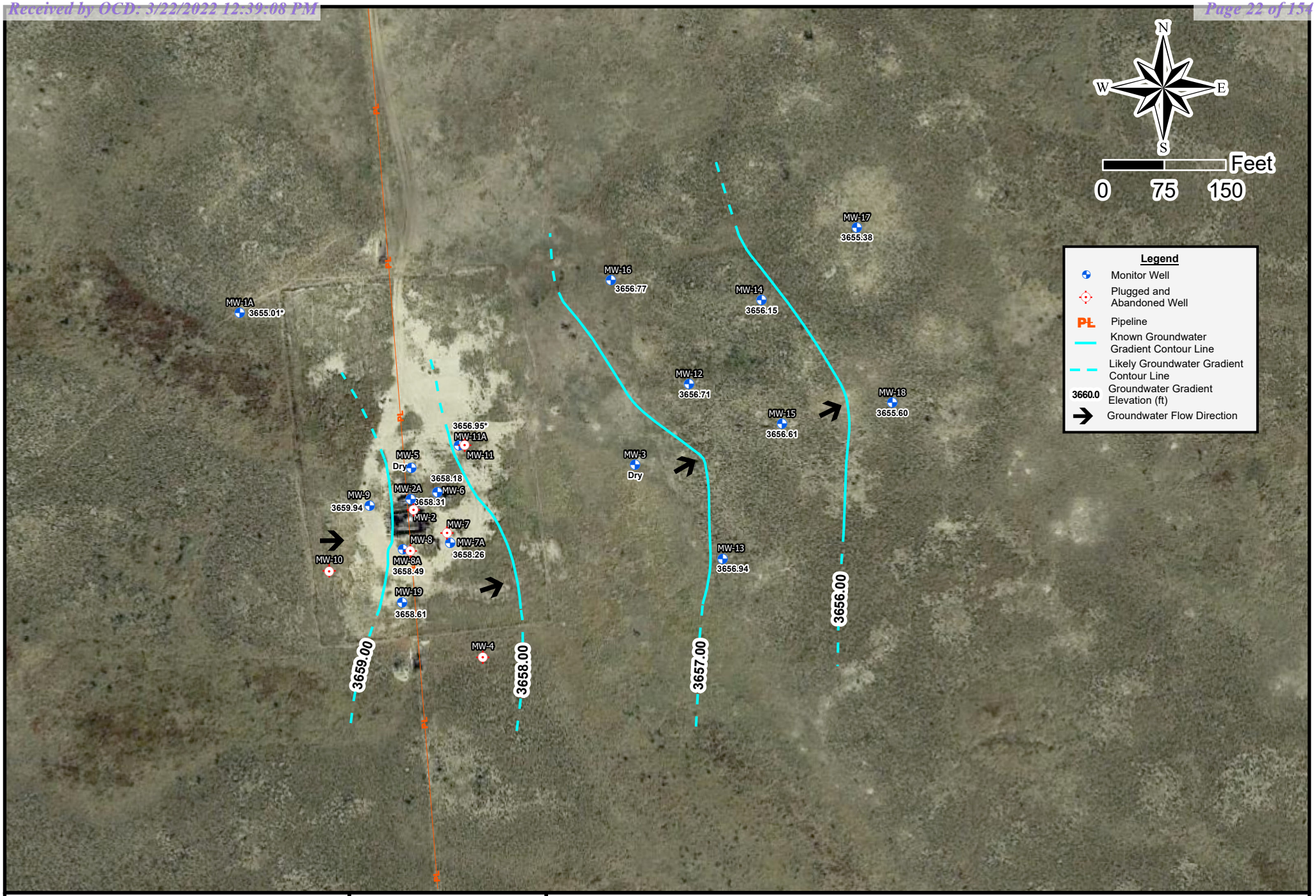
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2b - Groundwater Gradient Map (06/15/2021)



TALON LPE

Drafted: 11/3/2021
1 in = 150 ft
Drafted By: IJM

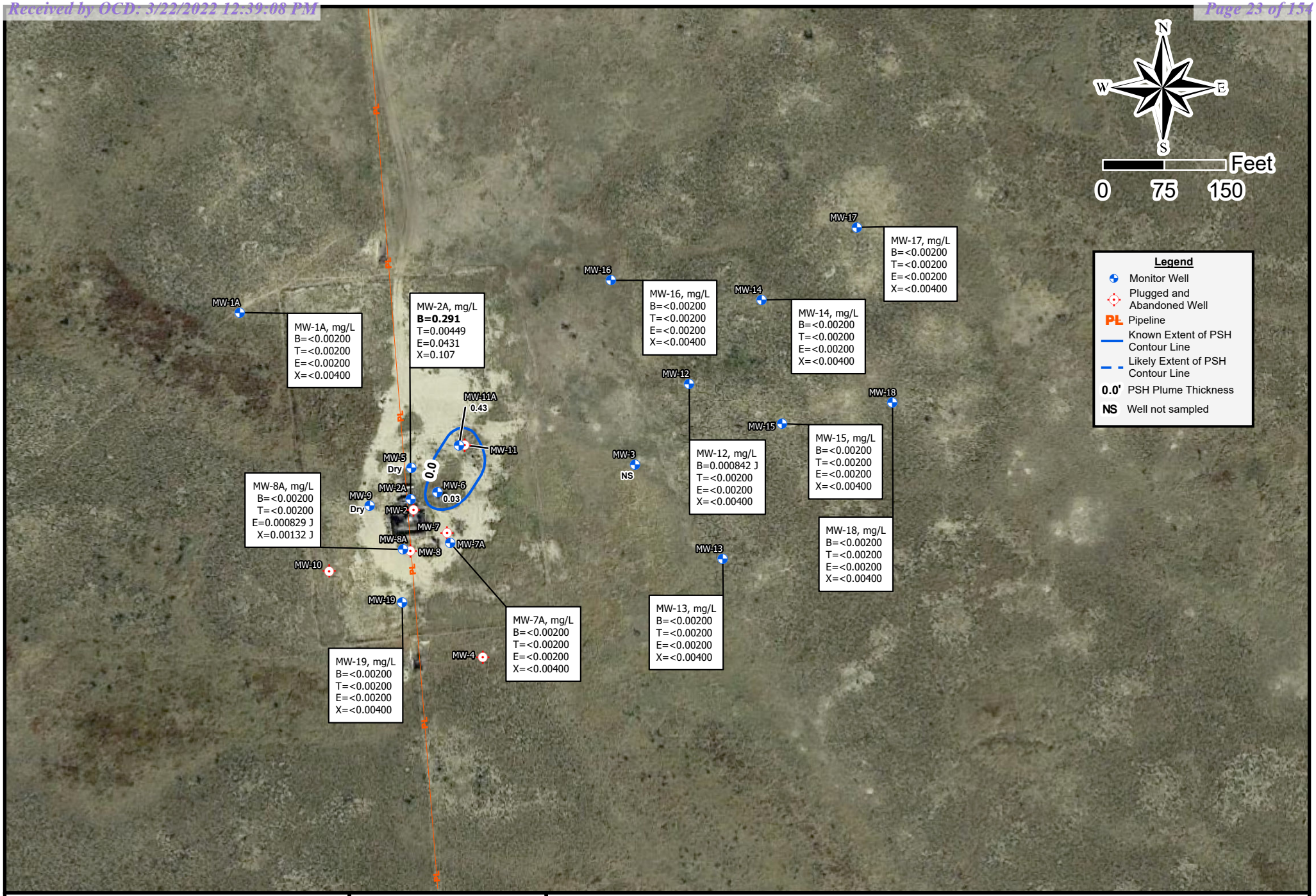
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2c - Groundwater Gradient Map (09/16/2021)



TALON LPE

Drafted: 1/24/2022
1 in = 150 ft
Drafted By: IJR

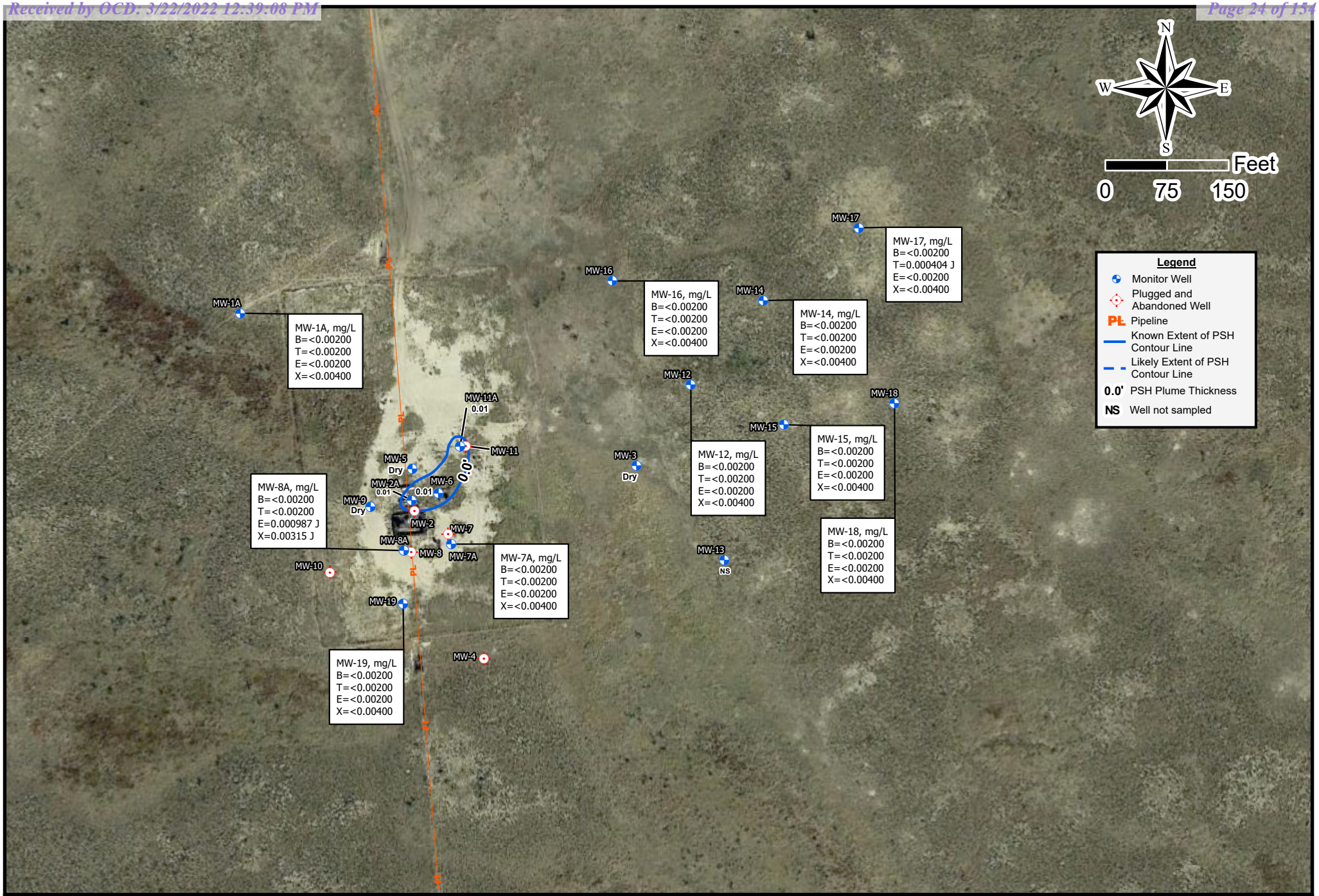
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2d - Groundwater Gradient Map (11/30-12/01/2021)



TALON LPE

Drafted: 5/21/2021
1 in = 150 ft
Drafted By: JAI

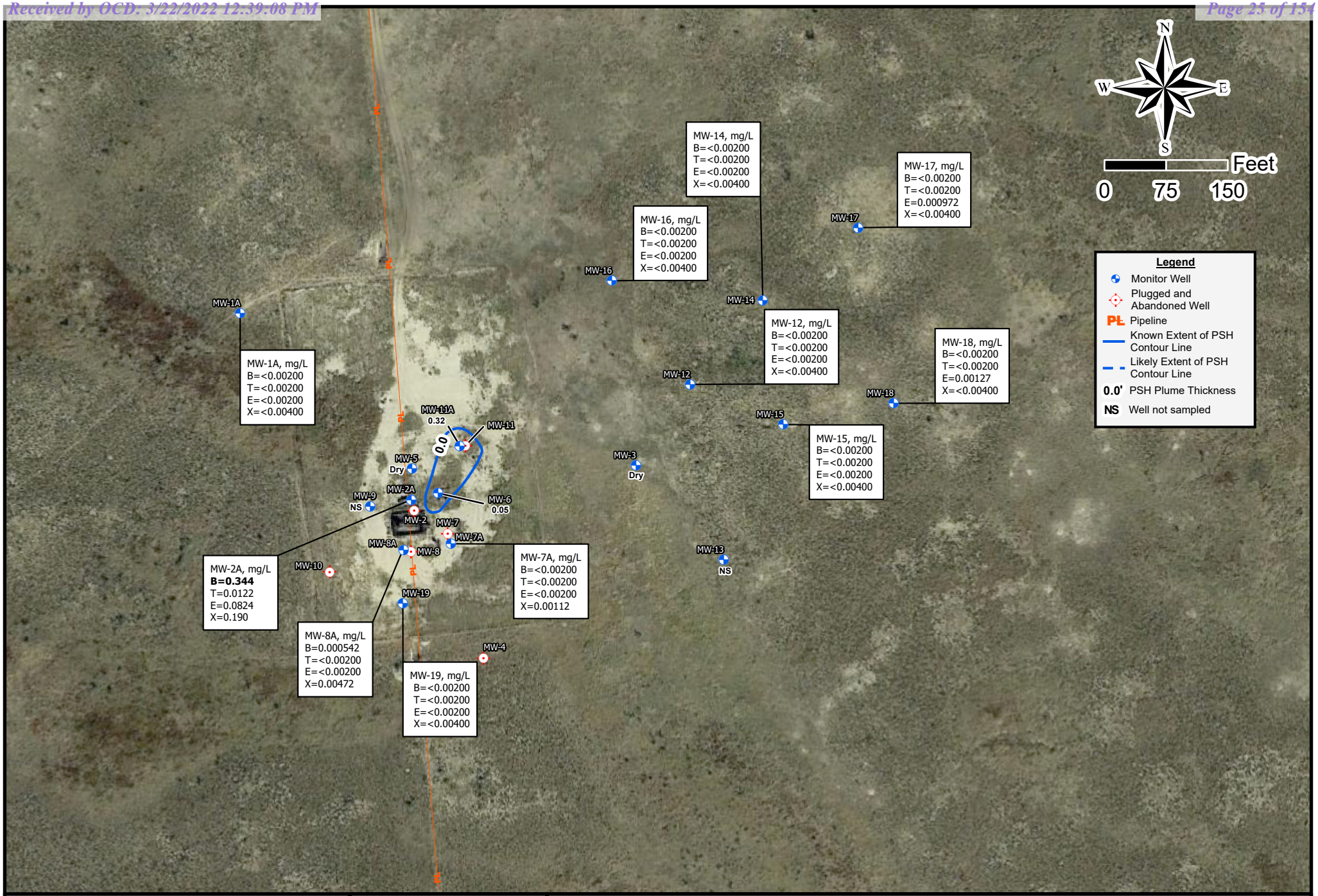
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/23-24 & 26/2021)



TALON LPE

Drafted: 2/1/2022
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3b - PSH Thickness and Groundwater Concentration Map (06/15&18/2021)



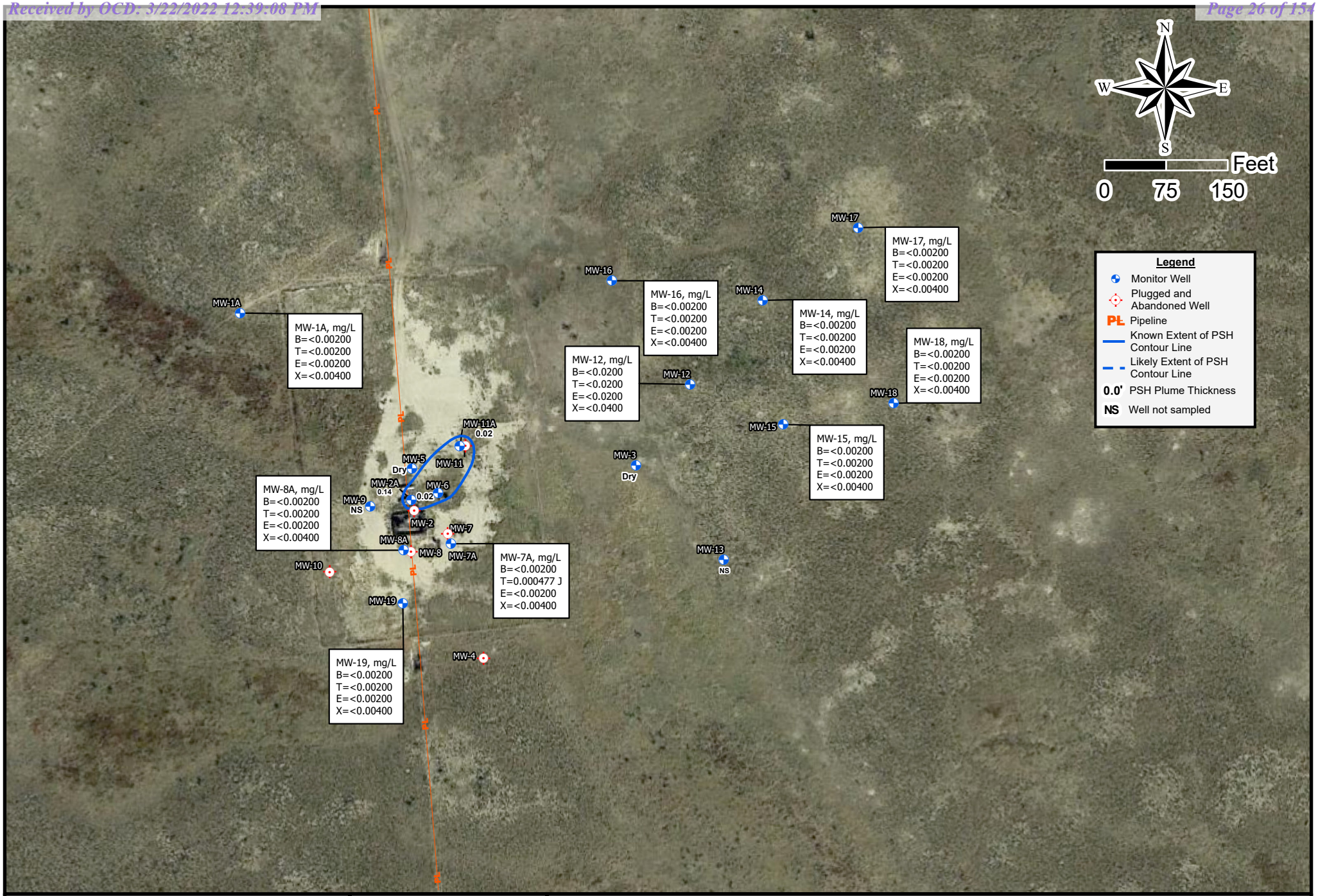
TALON LPE

Drafted: 12/3/2021

1 in = 150 ft

Drafted By: JAI

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3c - PSH Thickness and Groundwater Concentration Map (09/16-17/2021)



TALON LPE

Drafted: 12/14/2021
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3d - PSH Thickness and Groundwater Concentration Map (11/30-12/1/2021)

APPENDIX B

Tables

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A 2"	3723.46	55.7	85.7	03/10/2016	60.52	-	-	3662.94
				05/27/2016	61.66	-	-	3661.80
				09/09/2016	60.89	-	-	3662.57
				12/06/2016	61.05	-	-	3662.41
				03/06/2017	61.23	-	-	3662.23
				06/08/2017	61.41	-	-	3662.05
				09/12/2017	61.56	-	-	3661.90
				12/13/2017	DS	-	-	-
				03/22/2018	DS	-	-	-
				09/12/2018	62.15	-	-	3661.31
				12/10/2018	62.38	-	-	3661.08
				03/14/2019	62.65	-	-	3660.81
				06/11/2019	62.80	-	-	3660.66
				09/23/2019	63.00	-	-	3660.46
				12/09/2019	63.17	-	-	3660.29
				03/09/2020	63.35	-	-	3660.11
				06/12/2020	63.55	-	-	3659.91
				09/21/2020	DR	-	-	-
				11/30/2020	63.93	-	-	3659.53
				03/22/2021	64.15	-		3659.31
				06/15/2021	64.41	-	-	3659.05
				09/16/2021	64.68	-	-	3658.78
				11/30/2021	68.45	-	-	3655.01
MW-2 4"	3723.32	41	61	03/10/2016	DR	-	-	-
				05/27/2016	59.94	-	-	3663.38
				09/09/2016	61.42	60.19	1.23	3662.93
				12/01/2016	DR	-	-	-
				03/06/2017	61.05	60.57	0.48	3662.67
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-2A 4"	3722.25	60	80	09/12/2018	61.32	-	-	3660.93
				12/10/2018	61.50	-	-	3660.75
				03/14/2019	61.75	-	-	3660.50
				06/11/2019	61.93	-	-	3660.32
				09/23/2019	62.87	61.90	0.97	3660.19
				12/09/2019	62.30	62.25	0.05	3659.99
				03/09/2020	62.77	62.37	0.40	3659.81
				06/12/2020	63.05	62.63	0.42	3659.55
				09/21/2020	62.83	62.82	0.01	3659.43
				11/30/2020	63.05	63.04	0.01	3659.21
				03/23/2021	63.29	-	-	3658.96
				06/15/2021	63.50	63.49	0.01	3658.76
				09/16/2021	63.78	-	-	3658.47
				12/1/2021	64.06	63.92	0.14	3658.31
MW-3 2"	3721.52	43.4	63.4	03/10/2016	60.06	-	-	3661.46
				05/27/2016	60.21	-	-	3661.31
				09/09/2016	60.42	-	-	3661.10
				12/06/2016	60.59	-	-	3660.93
				03/06/2017	60.79	-	-	3660.73
				06/08/2017	60.96	-	-	3660.56
				09/12/2017	61.12	-	-	3660.40
				12/13/2017	63.29	-	-	3658.23
				03/22/2018	61.47	-	-	3660.05
				06/12/2018	61.65	-	-	3659.87
				09/12/2018	61.71	-	-	3659.81
				12/10/2018	61.96	-	-	3659.56
				03/14/2019	62.15	-	-	3659.37
				06/11/2019	62.31	-	-	3659.21
				09/23/2019	62.47	-	-	3659.05
				12/09/2019	62.65	-	-	3658.87
				03/09/2020	62.84	-	-	3658.68
				06/12/2020	63.05	-	-	3658.47
				09/21/2020	63.27	-	-	3658.25
				11/30/2020	DR	-	-	-
				03/22/2021	63.11	-	-	3658.41
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				11/30/2021	DR	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-4 2"	3721.94	39.7	59.7	03/10/2016	DR	-	-	-
				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-5 4"	3724.08	45	65	03/10/2016	63.87	60.65	3.22	3662.90
				05/27/2016	63.78	60.80	2.98	3662.79
				09/09/2016	63.15	61.45	1.70	3662.35
				12/01/2016	62.42	61.62	0.80	3662.33
				03/06/2017	62.59	62.10	0.49	3661.90
				06/08/2017	62.69	62.25	0.44	3661.76
				09/12/2017	63.19	62.40	0.79	3661.55
				12/13/2017	63.10	62.58	0.52	3661.41
				03/22/2018	63.82	62.55	1.27	3661.32
				06/12/2018	63.26	63.10	0.16	3660.95
				09/12/2018	63.14	63.13	0.01	3660.95
				12/10/2018	62.76	62.74	0.02	3661.34
				03/14/2019	63.03	63.00	0.03	3661.08
				06/11/2019	63.16	-	-	3660.92
				09/23/2019	63.33	63.26	0.07	3660.81
				12/09/2019	63.54	63.18	0.36	3660.84
				03/09/2020	63.47	63.33	0.14	3660.73
				06/12/2020	63.51	63.50	0.01	3660.58
				09/21/2020	65.00	63.53	1.47	3660.31
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				12/1/2021	DR	-	-	-
MW-6 4"	3722.16	44	64	03/10/2016	63.65	58.85	4.80	3662.52
				05/27/2016	61.43	59.53	1.90	3662.32
				09/09/2016	62.35	60.31	2.04	3661.51
				12/01/2016	60.76	60.14	0.62	3661.92
				03/06/2017	60.73	60.38	0.35	3661.72
				06/08/2017	60.85	60.59	0.26	3661.53
				09/12/2017	61.48	60.60	0.88	3661.41
				12/13/2017	61.58	60.78	0.80	3661.25
				03/22/2018	61.43	61.04	0.39	3661.06
				06/12/2018	61.45	61.30	0.15	3660.84
				09/12/2018	61.38	61.32	0.06	3660.83
				12/10/2018	61.53	61.52	0.01	3660.64
				03/14/2019	61.77	61.75	0.02	3660.41
				06/11/2019	61.94	61.92	0.02	3660.24
				09/23/2019	62.20	62.08	0.12	3660.06
				12/09/2019	62.79	62.20	0.59	3659.86
				03/09/2020	62.60	62.43	0.17	3659.70
				06/12/2020	62.73	62.67	0.06	3659.48
				09/21/2020	62.88	62.86	0.02	3659.30
				11/30/2020	63.06	-	-	3659.10
				03/23/2021	63.34	63.31	0.03	3658.85
				06/15/2021	65.52	65.51	0.01	3656.65
				09/16/2021	63.83	63.78	0.05	3658.37
				12/1/2021	64.00	63.98	0.02	3658.18

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7 4"	3723.23	44	64	03/10/2016	61.50	60.53	0.97	3662.54
				05/27/2016	60.93	60.83	0.10	3662.38
				09/09/2016	61.69	61.01	0.68	3662.11
				12/01/2016	62.19	61.09	1.10	3661.96
				03/06/2017	62.30	61.32	0.98	3661.75
				06/08/2017	62.75	61.35	1.40	3661.65
				09/12/2017	62.37	61.65	0.72	3661.46
				12/13/2017	62.73	61.73	1.00	3661.33
				03/22/2018	62.25	62.08	0.17	3661.12
				06/12/2018	62.66	62.24	0.42	3660.92
				08/29/2018	PA	-	-	-
MW-7A 2"	3722.42	60	80	09/12/2018	61.56	-	-	3660.86
				12/10/2018	61.72	-	-	3660.70
				03/14/2019	61.98	-	-	3660.44
				06/11/2019	62.15	-	-	3660.27
				09/23/2019	62.31	-	-	3660.11
				12/09/2019	62.50	-	-	3659.92
				03/09/2020	62.68	-	-	3659.74
				06/12/2020	62.85	-	-	3659.57
				09/21/2020	63.07	-	-	3659.35
				11/30/2020	63.29	-	-	3659.13
				03/23/2021	63.51	-	-	3658.91
				06/15/2021	63.73	-	-	3658.69
				09/16/2021	63.99	-	-	3658.43
				12/1/2021	64.16	-	-	3658.26
MW-8 4"	3723.41	41	61	03/10/2016	63.20	60.11	3.09	3662.79
				05/27/2016	63.43	60.26	3.17	3662.63
				09/09/2016	61.81	60.47	1.34	3662.72
				12/01/2016	61.63	60.61	1.02	3662.63
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-8A 2"	3723.41	60	80	09/12/2018	62.33	-	-	3661.08
				12/10/2018	62.49	-	-	3660.92
				03/14/2019	62.76	-	-	3660.65
				06/11/2019	62.93	-	-	3660.48
				09/23/2019	63.08	-	-	3660.33
				12/09/2019	63.27	-	-	3660.14
				03/09/2020	63.45	-	-	3659.96
				06/12/2020	63.64	-	-	3659.77
				09/21/2020	63.83	-	-	3659.58
				11/30/2020	64.05	-	-	3659.36
				03/22/2021	64.27	-	-	3659.14
				06/15/2021	64.50	-	-	3658.91
				09/16/2021	64.74	-	-	3658.67
				12/1/2021	64.92	-	-	3658.49

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9 4"	3723.25	43	63	03/10/2016	61.95	60.16	1.79	3662.79
				05/27/2016	61.35	60.42	0.93	3662.68
				09/09/2016	61.12	60.78	0.34	3662.41
				12/01/2016	61.54	60.91	0.63	3662.24
				03/06/2017	62.00	61.02	0.98	3662.07
				06/08/2017	62.28	60.10	2.18	3662.79
				09/12/2017	61.44	61.39	0.05	3661.85
				12/13/2017	62.15	61.53	0.62	3661.62
				03/22/2018	62.83	61.65	1.18	3661.41
				06/12/2018	62.25	62.20	0.05	3661.04
				09/12/2018	62.05	62.03	0.02	3661.22
				12/10/2018	62.30	62.27	0.03	3660.98
				03/14/2019	62.66	62.45	0.21	3660.77
				06/11/2019	62.61	62.60	0.01	3660.65
				09/23/2019	62.97	62.85	0.12	3660.38
				12/09/2019	63.20	63.04	0.16	3660.18
				03/09/2020	63.35	62.98	0.37	3660.21
				06/12/2020	63.28	63.05	0.23	3660.16
				09/21/2020	63.28	63.15	0.13	3660.08
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	63.29	-	-	3659.96
				12/1/2021	63.31	-	-	3659.94
MW-10 2"	3724.14	40.1	60.1	03/10/2016	DR	-	-	-
				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-11 2"	3722.55	40.7	60.7	03/10/2016	60.65	59.60	1.05	3662.78
				05/27/2016	60.63	59.58	1.05	3662.80
				09/09/2016	60.59	59.81	0.78	3662.61
				12/01/2016	60.64	59.98	0.66	3662.46
				03/06/2017	60.59	60.19	0.40	3662.29
				06/08/2017	60.59	60.30	0.29	3662.20
				09/12/2017	60.60	60.48	0.12	3662.05
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11A 2"	3722.32	60	80	09/12/2018	61.71	-	-	3660.61
				12/10/2018	61.89	-	-	3660.43
				03/14/2019	62.14	-	-	3660.18
				06/11/2019	64.51	61.86	2.65	3660.02
				09/23/2019	66.00	61.78	4.22	3659.84
				12/09/2019	64.25	62.35	1.90	3659.89
				03/09/2020	62.88	62.84	0.04	3659.47
				06/12/2020	64.01	62.84	1.17	3659.29
				09/21/2020	63.87	63.15	0.72	3659.05
				11/30/2020	63.42	-	-	3658.90
				03/22/2021	64.02	63.59	0.43	3658.66
				06/15/2021	63.87	63.86	0.01	3658.46
				09/16/2021	64.43	64.11	0.32	3658.39
				12/01/2021	65.39	65.37	0.02	3657.18
MW-12 2"	3724.11	43	73	03/10/2016	63.08	-	-	3661.03
				05/27/2016	63.25	-	-	3660.86
				09/09/2016	63.42	-	-	3660.69
				12/06/2016	63.62	-	-	3660.49
				03/06/2017	63.30	-	-	3660.81
				06/08/2017	63.40	-	-	3660.71
				09/12/2017	64.13	-	-	3659.98
				12/13/2017	64.31	-	-	3659.80
				03/22/2018	61.46	-	-	3662.65
				06/12/2018	64.69	-	-	3659.42
				09/12/2018	64.73	-	-	3659.38
				12/10/2018	65.00	-	-	3659.11
				03/14/2019	65.18	-	-	3658.93
				06/11/2019	65.32	-	-	3658.79
				09/23/2019	65.50	-	-	3658.61
				12/09/2019	65.69	-	-	3658.42
				03/09/2020	65.88	-	-	3658.23
				06/12/2020	66.10	-	-	3658.01
				09/21/2020	66.30	-	-	3657.81
				11/30/2020	66.51	-	-	3657.60
				03/22/2021	66.74	-	-	3657.37
				06/15/2021	66.99	-	-	3657.12
				09/16/2021	67.24	-	-	3656.87
				11/30/2021	67.40	-	-	3656.71
MW-13 2"	3723.19	43	73	03/10/2016	61.96	-	-	3661.23
				05/27/2016	62.10	-	-	3661.09
				09/09/2016	62.31	-	-	3660.88
				12/06/2016	62.47	-	-	3660.72
				03/06/2017	62.68	-	-	3660.51
				06/08/2017	62.85	-	-	3660.34
				09/12/2017	63.01	-	-	3660.18
				12/13/2017	63.19	-	-	3660.00
				03/22/2018	63.36	-	-	3659.83
				06/12/2018	63.60	-	-	3659.59
				09/12/2018	65.60	-	-	3657.59
				12/10/2018	63.57	-	-	3659.62
				03/14/2019	64.04	-	-	3659.15
				06/11/2019	64.17	-	-	3659.02
				09/23/2019	64.37	-	-	3658.82
				12/09/2019	64.54	-	-	3658.65
				03/09/2020	64.74	-	-	3658.45
				06/12/2020	65.00	-	-	3658.19
				09/21/2020	65.16	-	-	3658.03
				11/30/2020	65.35	-	-	3657.84
				03/22/2021	65.59	-	-	3657.60
				06/15/2021	65.83	-	-	3657.36
				09/16/2021	66.08	-	-	3657.11
				11/30/2021	66.25	-	-	3656.94

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-14 4"	3725.1	62.3	82.3	03/10/2016	64.64	-	-	3660.46
				05/27/2016	64.78	-	-	3660.32
				09/09/2016	65.00	-	-	3660.10
				12/06/2016	65.15	-	-	3659.95
				03/06/2017	66.24	-	-	3658.86
				06/08/2017	65.55	-	-	3659.55
				09/12/2017	65.68	-	-	3659.42
				12/13/2017	65.85	-	-	3659.25
				03/22/2018	66.05	-	-	3659.05
				06/12/2018	66.24	-	-	3658.86
				09/12/2018	66.26	-	-	3658.84
				12/10/2018	66.46	-	-	3658.64
				03/14/2019	66.72	-	-	3658.38
				06/11/2019	66.84	-	-	3658.26
				09/23/2019	67.03	-	-	3658.07
				12/09/2019	67.25	-	-	3657.85
				03/09/2020	67.45	-	-	3657.65
				06/12/2020	67.65	-	-	3657.45
				09/21/2020	67.87	-	-	3657.23
				11/30/2020	68.05	-	-	3657.05
				03/22/2021	68.31	-	-	3656.79
				06/15/2021	68.55	-	-	3656.55
				09/16/2021	68.84	-	-	3656.26
				11/30/2021	68.95	-	-	3656.15
MW-15 4"	3726.06	59.2	79.2	03/10/2016	65.40	-	-	3660.66
				05/27/2016	65.56	-	-	3660.50
				09/09/2016	65.75	-	-	3660.31
				12/06/2016	65.90	-	-	3660.16
				03/06/2017	66.09	-	-	3659.97
				06/08/2017	66.32	-	-	3659.74
				09/12/2017	66.45	-	-	3659.61
				12/13/2017	66.63	-	-	3659.43
				03/22/2018	66.82	-	-	3659.24
				06/12/2018	67.03	-	-	3659.03
				09/12/2018	67.04	-	-	3659.02
				12/10/2018	67.32	-	-	3658.74
				03/14/2019	67.49	-	-	3658.57
				06/11/2019	67.62	-	-	3658.44
				09/23/2019	67.79	-	-	3658.27
				12/09/2019	68.00	-	-	3658.06
				03/09/2020	68.19	-	-	3657.87
				06/12/2020	68.40	-	-	3657.66
				09/21/2020	68.84	-	-	3657.22
				11/30/2020	68.81	-	-	3657.25
				03/22/2021	69.08	-	-	3656.98
				06/15/2021	68.30	-	-	3657.76
				09/16/2021	69.59	-	-	3656.47
				11/30/2021	69.45	-	-	3656.61
MW-16 2"	3722.32	52.7	82.7	03/10/2016	61.23	-	-	3661.09
				05/27/2016	61.39	-	-	3660.93
				09/09/2016	61.60	-	-	3660.72
				12/06/2016	61.74	-	-	3660.58
				03/06/2017	61.95	-	-	3660.37
				06/08/2017	61.13	-	-	3661.19
				09/12/2017	62.27	-	-	3660.05
				12/13/2017	62.43	-	-	3659.89
				03/22/2018	62.63	-	-	3659.69
				06/12/2018	62.81	-	-	3659.51
				09/12/2018	62.89	-	-	3659.43
				12/10/2018	63.07	-	-	3659.25
				03/14/2019	63.32	-	-	3659.00
				06/11/2019	63.45	-	-	3658.87
				09/23/2019	63.64	-	-	3658.68
				12/09/2019	63.81	-	-	3658.51
				03/09/2020	64.02	-	-	3658.30
				06/12/2020	64.25	-	-	3658.07
				09/21/2020	64.44	-	-	3657.88
				11/30/2020	64.64	-	-	3657.68
				03/22/2021	64.87	-	-	3657.45
				06/15/2021	65.13	-	-	3657.19
				09/16/2021	65.38	-	-	3656.94
				11/30/2021	65.55	-	-	3656.77

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 2"	3725.28	56.6	86.6	03/10/2016	65.55	-	-	3659.73
				05/27/2016	65.69	-	-	3659.59
				09/09/2016	65.90	-	-	3659.38
				12/06/2016	66.05	-	-	3659.23
				03/06/2017	65.35	-	-	3659.93
				06/08/2017	66.44	-	-	3658.84
				09/12/2017	66.56	-	-	3658.72
				12/13/2017	66.75	-	-	3658.53
				03/22/2018	66.95	-	-	3658.33
				06/12/2018	67.11	-	-	3658.17
				09/12/2018	67.16	-	-	3658.12
				12/10/2018	67.45	-	-	3657.83
				03/14/2019	67.82	-	-	3657.46
				06/11/2019	67.75	-	-	3657.53
				09/23/2019	67.93	-	-	3657.35
				12/09/2019	68.13	-	-	3657.15
				03/09/2020	68.35	-	-	3656.93
				06/12/2020	68.53	-	-	3656.75
				09/21/2020	68.76	-	-	3656.52
				11/30/2020	68.96	-	-	3656.32
				03/22/2021	69.25	-	-	3656.03
				06/15/2021	69.47	-	-	3655.81
				09/16/2021	69.75	-	-	3655.53
				11/30/2021	69.90	-	-	3655.38
MW-18 2"	3724.75	55.8	85.8	03/10/2016	64.80	-	-	3659.95
				05/27/2016	64.63	-	-	3660.12
				09/09/2016	65.12	-	-	3659.63
				12/06/2016	65.29	-	-	3659.46
				03/06/2017	65.49	-	-	3659.26
				06/08/2017	65.69	-	-	3659.06
				09/12/2017	65.83	-	-	3658.92
				12/13/2017	66.00	-	-	3658.75
				03/22/2018	66.18	-	-	3658.57
				06/12/2018	66.34	-	-	3658.41
				09/12/2018	66.40	-	-	3658.35
				12/10/2018	66.65	-	-	3658.10
				03/14/2019	66.84	-	-	3657.91
				06/11/2019	67.00	-	-	3657.75
				09/23/2019	67.17	-	-	3657.58
				12/09/2019	67.35	-	-	3657.40
				03/09/2020	67.56	-	-	3657.19
				06/12/2020	67.77	-	-	3656.98
				09/21/2020	68.00	-	-	3656.75
				11/30/2020	68.20	-	-	3656.55
				03/22/2021	68.46	-	-	3656.29
				06/15/2021	68.71	-	-	3656.04
				09/16/2021	68.96	-	-	3655.79
				11/30/2021	69.15	-	-	3655.60
MW-19 2"	3722.8	60	80	09/12/2018	61.58	-	-	3661.22
				12/10/2018	61.74	-	-	3661.06
				03/14/2019	62.02	-	-	3660.78
				06/11/2019	62.13	-	-	3660.67
				09/23/2019	62.34	-	-	3660.46
				12/09/2019	62.50	-	-	3660.30
				03/09/2020	62.68	-	-	3660.12
				06/12/2020	62.87	-	-	3659.93
				09/21/2020	63.09	-	-	3659.71
				11/30/2020	63.28	-	-	3659.52
				03/22/2021	63.51	-	-	3659.29
				06/15/2021	63.75	-	-	3659.05
				09/16/2021	64.00	-	-	3658.80
				12/1/2021	64.19	-	-	3658.61

Specific Gravity: 0.75
Notes:
DR = Well dry
DS = Well destroyed
NG = Well not gauged
NL = Well not located
NSA = No access
OB = Obstruction in well
PA = Well plugged and abandoned

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMOCD - Groundwater		0.01	0.75	0.75	0.62	-
MW-1A	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00220	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	0.00609	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00456	<0.00100	<0.000657	<0.000642	0.00456
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000650	<0.000657	<0.000630	0.000650
	03/10/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-2A	09/13/2018	**2.41 D**	**0.808 D**	0.233	0.593	4.04
	12/11/2018	**0.924**	0.169	0.0755	0.191	1.36
	03/18/2019	**1.61**	0.341	0.177	0.403	2.53
	06/12/2019	**2.23**	**0.946**	0.260	**0.670**	4.11
	03/24/2021	**0.291**	0.00449	0.0431	0.107	0.446
	09/16/2021	**0.344**	0.0122	0.0824	0.190	0.628
MW-3	03/10/2016	0.00110	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00500	<0.000238	0.000300 J	<0.000243	-
	09/09/2016	0.0018	<0.000621	<0.000763	<0.000256	-
	12/06/2016	**0.0269**	<0.00100	0.00341	<0.000642	-
	03/07/2017	0.0016 J	<0.000367	<0.000657	<0.000630	0.0016
	06/08/2017	**0.0745**	0.00308	0.00441	0.00267	0.0847
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	0.000910 J	<0.000367	<0.000657	<0.000630	0.000910 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
MW-6	12/01/2020	**7.89 D**	**0.773 D**	0.350	**0.6770**	9.690
MW-7A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	06/11/2019	<0.000408	<0.000367	<0.000657	0.000630	0.000630
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000880	<0.000657	<0.000630	0.000880
	03/10/2020	0.000440 J	<0.000367	<0.000657	<0.000630	0.000440 J
	06/16/2020	0.000570 J	0.000640 J	<0.000657	<0.000630	0.00121 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/01/2020	0.00103 J	<0.002000	<0.002000	<0.002000	0.001030 J
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	0.00112 J	0.00112 J
	12/01/2021	<0.00200	0.000477 J	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-8A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	0.00752	0.0129	0.00952	0.0234	0.0533
	06/11/2019	0.00108	0.00225	0.00232	0.00776	0.0134
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	0.000470	0.00159	0.00360	0.00478	0.0104
	03/09/2020	0.000760 J	0.000380 J	0.00150 J	0.00102 J	0.00366
	06/16/2020	0.00102 J	0.000640 J	<0.000657	<0.000630	0.00166 J
	09/23/2020	0.00119 J	<0.000367	0.000730 J	0.00126 J	0.00318
	12/01/2020	0.000780 J	0.000740 J	<0.002000	<0.002000	0.001520 J
	03/24/2021	<0.00200	<0.00200	0.000829 J	0.00132 J	0.00215
	06/18/2021	<0.00200	<0.00200	0.000987 J	0.00315 J	0.00414
	09/16/2021	0.000542 J	<0.00200	<0.00200	0.00472	0.00526
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-11A	09/13/2018	**0.215**	<0.000367	0.00629	0.0840	0.305
	12/11/2018	**0.505**	<0.002560	0.0450	0.0355	0.586
	03/18/2019	**2.08**	0.00115	0.366	0.189	2.64
	11/30/2020	**2.49 D**	0.000690 J	**0.878 D**	0.5008	3.869
MW-12	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00130	<0.000238	0.000400 J	0.000300 J	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.0016 J	<0.00100	<0.000657	<0.000642	0.0016 J
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	0.00176 J	<0.000367	<0.000657	<0.000630	0.00176 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000510	<0.000657	<0.000630	0.000510
	03/10/2020	0.000550 J	<0.000367	<0.000657	<0.000630	0.000550 J
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/23/2020	0.00171 J	<0.000367	<0.000657	<0.000630	0.00171 J
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/26/2021	0.000842 J	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.0200	<0.0200	<0.0200	<0.0400	<0.0400
MW-13	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.00190	<0.000238	0.000400 J	0.000300 J	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00985	<0.00100	<0.000657	<0.000642	0.00985
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000450	<0.000657	<0.000630	0.000450
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-14	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000760 J	<0.000657	<0.000630	0.000760 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.000570	<0.0005	<0.0005	<0.0005	0.000570
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	0.000670 J	<0.000657	<0.000630	0.000670 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-15	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.0014	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/15/2019	0.000850	<0.000367	<0.000657	<0.00063	0.000850
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	0.000400 J	<0.000657	<0.000630	0.000400 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-16	03/10/2016	<0.000223	0.000300 J	<0.000238	<0.000243	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-
	09/09/2016	0.000700 J	<0.000621	<0.000763	<0.000256	-
	12/06/2016	0.00268	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00135 J	<0.00100	<0.000657	<0.000642	0.00135 J
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000740 J	<0.000657	<0.000630	0.000740 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.00249	<0.0005	0.000550	<0.0005	0.00304
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000490	<0.000657	<0.000630	0.000490
	03/10/2020	0.000490 J	<0.000367	<0.000657	<0.000630	0.000490 J
	06/15/2020	<0.000408	0.000600 J	<0.000657	<0.000630	0.000600 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Hobbs, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
MW-17	03/10/2016	<0.000223	0.000500 J	<0.000238	<0.000243	-
	05/27/2016	0.0016	<0.000238	0.000300 J	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	0.00466	<0.00100	<0.000657	<0.000642	0.00466
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	0.000780	<0.0005	<0.0005	<0.0005	0.000780
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000470	<0.000657	<0.000630	0.00047
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000 X	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	0.000404 J	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	0.000972 J	<0.00400	0.000972 J
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-18	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-
	05/27/2016	0.0016	<0.000238	<0.000238	<0.000243	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/22/2018	<0.000408	0.000710 J	<0.000657	<0.000630	0.000710 J
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/10/2019	<0.000408	0.000380	<0.000657	<0.000630	0.000380
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/15/2020	0.000530 J	0.000560 J	<0.000657	<0.000630	0.001090 J
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	0.00127 J	<0.00400	0.00127 J
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
MW-19	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/15/2019	0.00123	0.00490	0.00227	0.00763	0.0160
	06/11/2019	0.000690	<0.000367	<0.000657	<0.00063	0.000690
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367
	12/09/2019	<0.000408	0.000610	<0.000657	<0.000630	0.000610
	03/09/2020	0.000530 J	<0.000367	<0.000657	<0.000630	0.000530 J
	06/16/2020	<0.000408	0.000460 J	<0.000657	<0.000630	0.000460 J
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/01/2020	**0.0132**	<0.002000	0.00315	0.002650	0.01900
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400

Notes:
Lab Flags noted next to values. See lab report for description.

Analyte concentration exceeds the standard for:

NMOCD - Groundwater

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
Kimbrough Sweet 8 inch
Hobbs, NM

Sample ID	Date Sampled	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Dibenzofuran (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno (1,2,3-c,d) pyrene (mg/l)	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)
NMOCD - Groundwater		-	-	-	-	0.0007	-	-	-	-	-	-	-	-	-	0.03	-	-
MW-1A	03/10/2016	<0.0000365	<0.0000638	<0.0000353	<0.0000792	<0.0000459	<0.0000780	<0.0000570	<0.0000616	<0.0000891	<0.0000618	<0.0000667	<0.0000701	<0.0000866	<0.0000590	<0.0000721	<0.0000567	<0.0000456
MW-2A	03/18/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000458	<0.0000090	0.000246	<0.0000049	0.00493	0.000101	<0.0000092
	03/24/2021	<0.000194	<0.000194 *	<0.000194 *	<0.000194	<0.000194 *	<0.000194 *	<0.000194 *	<0.000194 *	<0.000194	<0.000194 *	0.000363 *	<0.000194	0.000206	<0.000194 *	0.00464 *	0.000206	<0.000194 *
MW-7A	03/15/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.000114	<0.0000056	<0.0000093
	03/10/2020	<0.000116	<0.0000980	<0.000101	<0.000156	<0.0000664	<0.0000827	<0.000132 L	<0.000135	<0.000182	<0.0000884	-	<0.000183	<0.000117	<0.000106	<0.000113	<0.0000990	<0.000152
MW-8A	03/15/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000310	<0.0000055	<0.0000092
	03/09/2020	<0.000107	<0.0000903	<0.0000930	<0.000144	<0.0000612	<0.0000763	<0.000122 L	<0.000125	<0.000168	<0.0000816	-	<0.000169	<0.000108	<0.0000980	<0.000104	<0.0000913	<0.000140
MW-11A	03/18/2019	0.000112	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000527	<0.0000090	0.000180	<0.0000049	0.00669	0.000149	<0.0000092
MW-12	03/22/2018	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112
	03/18/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000651	<0.0000055	<0.0000092
	03/10/2020	<0.000101	<0.0000852	<0.0000876	<0.000136	<0.0000577	<0.0000719	<0.000115 L	<0.000118	<0.000158	<0.0000769	-	<0.000159	<0.000102	<0.0000924	<0.0000984	<0.0000860	<0.000132
MW-16	03/10/2016	<0.0000350	<0.0000612	<0.0000338	<0.0000759	<0.0000440	<0.0000748	<0.0000546	<0.0000591	<0.0000854	<0.0000592	<0.0000639	<0.0000672	<0.0000830	<0.0000565	<0.0000691	<0.0000543	<0.0000437
	03/22/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/18/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000557	<0.0000055	<0.0000092
	03/10/2020	<0.000108	<0.0000913	<0.0000939	<0.000146	<0.0000619	<0.0000771	<0.000123 L	<0.000126	<0.000169	<0.0000824	-	<0.000170	<0.000109	<0.0000990	<0.000105	<0.0000922	<0.000141
MW-17	03/10/2016	<0.0000357	<0.0000624	<0.0000345	<0.0000775	<0.0000449	<0.0000763	<0.0000558	<0.0000603	<0.0000872	<0.0000604	<0.0000652	<0.0000686	<0.0000847	<0.0000577	<0.0000705	<0.0000555	<0.0000446
	03/22/2018	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109
	03/18/2019	<0.0000042	<0.0000075	<0.0000077	<0.0000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	<0.0000054	<0.0000091	<0.0000056	<0.0000050	0.0000363	<0.0000056	<0.0000094
	03/10/2020	<0.000105	<0.0000886	<0.0000911	<0.000141	<0.0000600	<0.0000748	<0.000119 L	<0.000122	<0.000164	<0.0000800	-	<0.000165	<0.000106	<0.0000961	<0.000102	<0.0000895	<0.000137
MW-18	03/10/2016	<0.0000373	<0.0000653	<0.0000361	<0.0000810	<0.0000470	<0.0000798	<0.0000583	<0.0000630	<0.0000912	<0.0000632	<0.0000682	<0.0000717	<0.0000886	<0.0000604	<0.0000737	<0.0000580	<0.0000466
	03/22/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/18/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
MW-19	03/15/2019	<0.00000410	<0.00000740	<0.00000740	<0.00000640	<0.00000970	<0.00000920	<0.00000800	<0.00000790	<0.00000890	<0.00000500	0.000146	<0.00000910	0.000235	<0.00000500	0.000585	0.000323	<0.00000930
	03/09/2020	<0.000110	<0.0000923	<0.0000950	<0.000148	<0.0000626	<0.0000780	<0.000124 L	<0.000127	<0.000171	<0.0000834	-	<0.000172	<0.000111	<0.000100	<0.000107	<0.0000933	<0.000143

Notes:
Lab Flags noted next to values. See lab report for description.

Analyte concentration exceeds the standard for:
NMOCD - Groundwater

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-433-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: Kimbrough Sweet

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKramer

Authorized for release by:
4/7/2021 2:26:32 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Laboratory Job ID: 890-433-1
SDG: Hobbs NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyte was not detected at or above the SDL.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Job ID: 890-433-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-433-1

Comments
No additional comments.

Receipt
The samples were received on 3/25/2021 1:32 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0º C.

GC/MS Semi VOA
Method 8270D SIM: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 860-1755 and 860-1755 and analytical batch 860-1692 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time with concurring LCSD/LCSD failures. Both sets of data have been reported.

Method 8270D SIM: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 860-1997 and 860-1997 and analytical batch 860-2072 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time with concurring LCSD/LCSD failures. Both sets of data have been reported.

GC VOA
Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-1096 was outside the upper control limits.

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-17

Lab Sample ID: 890-433-1
Date Collected: 03/23/21 08:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 18:53	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 18:53	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 18:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 18:53	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 18:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 18:53	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*03/31/21 18:53*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*03/31/21 18:53*	*1*

Client Sample ID: MW-18

Lab Sample ID: 890-433-2
Date Collected: 03/23/21 09:00
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 19:18	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 19:18	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 19:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 19:18	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 19:18	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 19:18	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*03/31/21 19:18*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*		*03/31/21 19:18*	*1*

Client Sample ID: MW-15

Lab Sample ID: 890-433-3
Date Collected: 03/23/21 10:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 19:44	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 19:44	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 19:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 19:44	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 19:44	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 19:44	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/31/21 19:44*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/31/21 19:44*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-14

Lab Sample ID: 890-433-4
Date Collected: 03/23/21 12:00
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 20:09	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 20:09	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 20:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 20:09	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 20:09	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 20:09	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*03/31/21 20:09*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*		*03/31/21 20:09*	*1*

Client Sample ID: MW-16

Lab Sample ID: 890-433-5
Date Collected: 03/23/21 12:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 20:35	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 20:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 20:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 20:35	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 20:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 20:35	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*03/31/21 20:35*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*03/31/21 20:35*	*1*

Client Sample ID: MW-1A

Lab Sample ID: 890-433-6
Date Collected: 03/23/21 13:00
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 21:00	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 21:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 21:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 21:00	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 21:00	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 21:00	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*03/31/21 21:00*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*03/31/21 21:00*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-19

Lab Sample ID: 890-433-7
Date Collected: 03/24/21 09:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 00:23	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 00:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 00:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 00:23	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 00:23	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 00:23	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*04/01/21 00:23*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*		*04/01/21 00:23*	*1*

Client Sample ID: MW-8A

Lab Sample ID: 890-433-8
Date Collected: 03/24/21 10:30
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 00:48	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 00:48	1
Ethylbenzene	**0.000829**	**J**	0.00200	0.000657	mg/L			04/01/21 00:48	1
m-Xylene & p-Xylene	**0.00132**	**J**	0.00400	0.000629	mg/L			04/01/21 00:48	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 00:48	1
Xylenes, Total	**0.00132**	**J**	0.00400	0.00100	mg/L			04/01/21 00:48	1
Total BTEX	**0.00215**		0.00200	0.00100	mg/L			04/01/21 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*04/01/21 00:48*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*04/01/21 00:48*	*1*

Client Sample ID: MW-7A

Lab Sample ID: 890-433-9
Date Collected: 03/24/21 12:00
Matrix: Water
Date Received: 03/25/21 13:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 01:13	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 01:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 01:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 01:13	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 01:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 01:13	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*04/01/21 01:13*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*04/01/21 01:13*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-2A

Date Collected: 03/24/21 14:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-10

Matrix: Water

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000194	U	0.000194	0.000106	mg/L		03/31/21 15:13	04/01/21 12:52	1
Acenaphthylene	<0.000194	U *	0.000194	0.0000896	mg/L		03/31/21 15:13	04/01/21 12:52	1
Anthracene	<0.000194	U *	0.000194	0.0000957	mg/L		03/31/21 15:13	04/01/21 12:52	1
Benzo[a]anthracene	<0.000194	U	0.000194	0.000143	mg/L		03/31/21 15:13	04/01/21 12:52	1
Benzo[a]pyrene	<0.000194	U *	0.000194	0.0000607	mg/L		03/31/21 15:13	04/01/21 12:52	1
Benzo[b]fluoranthene	<0.000194	U *	0.000194	0.0000745	mg/L		03/31/21 15:13	04/01/21 12:52	1
Benzo[g,h,i]perylene	<0.000194	U *	0.000194	0.000120	mg/L		03/31/21 15:13	04/01/21 12:52	1
Benzo[k]fluoranthene	<0.000194	U *	0.000194	0.000123	mg/L		03/31/21 15:13	04/01/21 12:52	1
Chrysene	<0.000194	U	0.000194	0.000166	mg/L		03/31/21 15:13	04/01/21 12:52	1
Dibenz(a,h)anthracene	<0.000194	U *	0.000194	0.0000809	mg/L		03/31/21 15:13	04/01/21 12:52	1
Dibenzofuran	**0.000363**	*	0.000194	0.000106	mg/L		03/31/21 15:13	04/01/21 12:52	1
Fluoranthene	<0.000194	U	0.000194	0.000167	mg/L		03/31/21 15:13	04/01/21 12:52	1
Fluorene	**0.000206**		0.000194	0.000107	mg/L		03/31/21 15:13	04/01/21 12:52	1
Indeno[1,2,3-cd]pyrene	<0.000194	U *	0.000194	0.0000971	mg/L		03/31/21 15:13	04/01/21 12:52	1
Naphthalene	**0.00464**	*	0.00387	0.000103	mg/L		03/31/21 15:13	04/01/21 12:52	1
Phenanthrene	**0.000206**		0.000194	0.0000904	mg/L		03/31/21 15:13	04/01/21 12:52	1
Pyrene	<0.000194	U *	0.000194	0.000138	mg/L		03/31/21 15:13	04/01/21 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*124*		*54 - 146*	*03/31/21 15:13*	*04/01/21 12:52*	*1*
2-Fluorobiphenyl	*131*		*54 - 146*	*03/31/21 15:49*	*04/02/21 12:32*	*1*
Nitrobenzene-d5	*128*		*46 - 151*	*03/31/21 15:13*	*04/01/21 12:52*	*1*
Nitrobenzene-d5	*130*		*46 - 151*	*03/31/21 15:49*	*04/02/21 12:32*	*1*
p-Terphenyl-d14	*123*		*51 - 139*	*03/31/21 15:13*	*04/01/21 12:52*	*1*
p-Terphenyl-d14	*119*		*51 - 139*	*03/31/21 15:49*	*04/02/21 12:32*	*1*

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.291**		0.00200	0.000408	mg/L			04/01/21 01:38	1
Toluene	**0.00449**		0.00200	0.000367	mg/L			04/01/21 01:38	1
Ethylbenzene	**0.0431**		0.00200	0.000657	mg/L			04/01/21 01:38	1
m-Xylene & p-Xylene	**0.0711**		0.00400	0.000629	mg/L			04/01/21 01:38	1
o-Xylene	**0.0363**		0.00200	0.000642	mg/L			04/01/21 01:38	1
Xylenes, Total	**0.107**		0.00400	0.00100	mg/L			04/01/21 01:38	1
Total BTEX	**0.446**		0.00200	0.00100	mg/L			04/01/21 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*04/01/21 01:38*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*		*04/01/21 01:38*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(54-146)	(46-151)	(51-139)
890-433-10	MW-2A	124	128	123
890-433-10	MW-2A	131	130	119
LCS 860-1755/2-A	Lab Control Sample	129	134	65
LCS 860-1997/2-A	Lab Control Sample	123	125	57
LCSD 860-1755/3-A	Lab Control Sample Dup	123	130	61
LCSD 860-1997/3-A	Lab Control Sample Dup	127	129	66
MB 860-1755/1-A	Method Blank	133	134	91
MB 860-1997/1-A	Method Blank	128	120	69

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-433-1	MW-17	108	89
890-433-1 MS	MW-17	98	115
890-433-1 MSD	MW-17	94	103
890-433-2	MW-18	100	101
890-433-3	MW-15	107	103
890-433-4	MW-14	104	104
890-433-5	MW-16	105	103
890-433-6	MW-1A	107	105
890-433-7	MW-19	102	92
890-433-8	MW-8A	93	97
890-433-9	MW-7A	99	99
890-433-10	MW-2A	103	112
LCS 880-1096/3	Lab Control Sample	95	108
LCSD 880-1096/4	Lab Control Sample Dup	94	105
MB 880-1096/8	Method Blank	68 X	84

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 860-1755/1-A
Matrix: Water
Analysis Batch: 1692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1755

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000182	U	0.000182	0.000100	mg/L		03/31/21 14:10	03/31/21 17:34	1
Acenaphthylene	<0.000182	U	0.000182	0.0000842	mg/L		03/31/21 14:10	03/31/21 17:34	1
Anthracene	<0.000182	U	0.000182	0.0000900	mg/L		03/31/21 14:10	03/31/21 17:34	1
Benzo[a]anthracene	<0.000182	U	0.000182	0.000134	mg/L		03/31/21 14:10	03/31/21 17:34	1
Benzo[a]pyrene	<0.000182	U	0.000182	0.0000571	mg/L		03/31/21 14:10	03/31/21 17:34	1
Benzo[b]fluoranthene	<0.000182	U	0.000182	0.0000700	mg/L		03/31/21 14:10	03/31/21 17:34	1
Benzo[g,h,i]perylene	<0.000182	U	0.000182	0.000113	mg/L		03/31/21 14:10	03/31/21 17:34	1
Benzo[k]fluoranthene	<0.000182	U	0.000182	0.000116	mg/L		03/31/21 14:10	03/31/21 17:34	1
Chrysene	<0.000182	U	0.000182	0.000156	mg/L		03/31/21 14:10	03/31/21 17:34	1
Dibenz(a,h)anthracene	<0.000182	U	0.000182	0.0000760	mg/L		03/31/21 14:10	03/31/21 17:34	1
Dibenzofuran	<0.000182	U	0.000182	0.000100	mg/L		03/31/21 14:10	03/31/21 17:34	1
Fluoranthene	<0.000182	U	0.000182	0.000157	mg/L		03/31/21 14:10	03/31/21 17:34	1
Fluorene	<0.000182	U	0.000182	0.000101	mg/L		03/31/21 14:10	03/31/21 17:34	1
Indeno[1,2,3-cd]pyrene	<0.000182	U	0.000182	0.0000913	mg/L		03/31/21 14:10	03/31/21 17:34	1
Naphthalene	<0.00364	U	0.00364	0.0000972	mg/L		03/31/21 14:10	03/31/21 17:34	1
Phenanthrene	<0.000182	U	0.000182	0.0000850	mg/L		03/31/21 14:10	03/31/21 17:34	1
Pyrene	<0.000182	U	0.000182	0.000130	mg/L		03/31/21 14:10	03/31/21 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*133*		*54 - 146*	*03/31/21 14:10*	*03/31/21 17:34*	*1*
Nitrobenzene-d5	*134*		*46 - 151*	*03/31/21 14:10*	*03/31/21 17:34*	*1*
p-Terphenyl-d14	*91*		*51 - 139*	*03/31/21 14:10*	*03/31/21 17:34*	*1*

Lab Sample ID: LCS 860-1755/2-A
Matrix: Water
Analysis Batch: 1692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0182	0.02419		mg/L		133	73 - 145
Acenaphthylene	0.0182	0.02458	*	mg/L		135	78 - 133
Anthracene	0.0182	0.02594	*	mg/L		143	77 - 127
Benzo[a]anthracene	0.0182	0.01578		mg/L		87	71 - 142
Benzo[a]pyrene	0.0182	0.01145	*	mg/L		63	76 - 140
Benzo[b]fluoranthene	0.0182	0.01337	*	mg/L		74	78 - 138
Benzo[g,h,i]perylene	0.0182	0.007195	*	mg/L		40	74 - 138
Benzo[k]fluoranthene	0.0182	0.009874	*	mg/L		54	79 - 128
Chrysene	0.0182	0.01433		mg/L		79	70 - 160
Dibenz(a,h)anthracene	0.0182	0.006470	*	mg/L		36	76 - 129
Dibenzofuran	0.0182	0.02488	*	mg/L		137	77 - 131
Fluoranthene	0.0182	0.02556		mg/L		141	67 - 142
Fluorene	0.0182	0.02473		mg/L		136	56 - 163
Indeno[1,2,3-cd]pyrene	0.0182	0.006778	*	mg/L		37	72 - 122
Naphthalene	0.0182	0.02366	*	mg/L		130	70 - 126
Phenanthrene	0.0182	0.02476		mg/L		136	74 - 138
Pyrene	0.0182	0.02529	*	mg/L		139	66 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*129*		*54 - 146*

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QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 860-1755/2-A
Matrix: Water
Analysis Batch: 1692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1755

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	134		46 - 151
p-Terphenyl-d14	65		51 - 139

Lab Sample ID: LCSD 860-1755/3-A
Matrix: Water
Analysis Batch: 1692

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			0.0182	0.02369		mg/L		130	73 - 145	2	30
Acenaphthylene			0.0182	0.02419		mg/L		133	78 - 133	2	30
Anthracene			0.0182	0.02519	*	mg/L		139	77 - 127	3	30
Benzo[a]anthracene			0.0182	0.01521		mg/L		84	71 - 142	4	30
Benzo[a]pyrene			0.0182	0.01034	*	mg/L		57	76 - 140	10	30
Benzo[b]fluoranthene			0.0182	0.01185	*	mg/L		65	78 - 138	12	30
Benzo[g,h,i]perylene			0.0182	0.006682	*	mg/L		37	74 - 138	7	30
Benzo[k]fluoranthene			0.0182	0.009083	*	mg/L		50	79 - 128	8	30
Chrysene			0.0182	0.01413		mg/L		78	70 - 160	1	30
Dibenz(a,h)anthracene			0.0182	0.005378	*	mg/L		30	76 - 129	18	30
Dibenzofuran			0.0182	0.02452	*	mg/L		135	77 - 131	1	30
Fluoranthene			0.0182	0.02495		mg/L		137	67 - 142	2	30
Fluorene			0.0182	0.02448		mg/L		135	56 - 163	1	30
Indeno[1,2,3-cd]pyrene			0.0182	0.006090	*	mg/L		33	72 - 122	11	30
Naphthalene			0.0182	0.02327	*	mg/L		128	70 - 126	2	30
Phenanthrene			0.0182	0.02431		mg/L		134	74 - 138	2	30
Pyrene			0.0182	0.02462	*	mg/L		135	66 - 126	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	123		54 - 146
Nitrobenzene-d5	130		46 - 151
p-Terphenyl-d14	61		51 - 139

Lab Sample ID: MB 860-1997/1-A
Matrix: Water
Analysis Batch: 2072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.000182	U	0.000182	0.000100	mg/L		03/31/21 15:19	04/02/21 09:39	1
Acenaphthylene	<0.000182	U	0.000182	0.0000842	mg/L		03/31/21 15:19	04/02/21 09:39	1
Anthracene	<0.000182	U	0.000182	0.0000900	mg/L		03/31/21 15:19	04/02/21 09:39	1
Benzo[a]anthracene	<0.000182	U	0.000182	0.000134	mg/L		03/31/21 15:19	04/02/21 09:39	1
Benzo[a]pyrene	<0.000182	U	0.000182	0.0000571	mg/L		03/31/21 15:19	04/02/21 09:39	1
Benzo[b]fluoranthene	<0.000182	U	0.000182	0.0000700	mg/L		03/31/21 15:19	04/02/21 09:39	1
Benzo[g,h,i]perylene	<0.000182	U	0.000182	0.000113	mg/L		03/31/21 15:19	04/02/21 09:39	1
Benzo[k]fluoranthene	<0.000182	U	0.000182	0.000116	mg/L		03/31/21 15:19	04/02/21 09:39	1
Chrysene	<0.000182	U	0.000182	0.000156	mg/L		03/31/21 15:19	04/02/21 09:39	1
Dibenz(a,h)anthracene	<0.000182	U	0.000182	0.0000760	mg/L		03/31/21 15:19	04/02/21 09:39	1
Dibenzofuran	<0.000182	U	0.000182	0.000100	mg/L		03/31/21 15:19	04/02/21 09:39	1
Fluoranthene	<0.000182	U	0.000182	0.000157	mg/L		03/31/21 15:19	04/02/21 09:39	1

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 860-1997/1-A
Matrix: Water
Analysis Batch: 2072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.000182	U	0.000182	0.000101	mg/L		03/31/21 15:19	04/02/21 09:39	1
Indeno[1,2,3-cd]pyrene	<0.000182	U	0.000182	0.0000913	mg/L		03/31/21 15:19	04/02/21 09:39	1
Naphthalene	<0.00364	U	0.00364	0.0000972	mg/L		03/31/21 15:19	04/02/21 09:39	1
Phenanthrene	<0.000182	U	0.000182	0.0000850	mg/L		03/31/21 15:19	04/02/21 09:39	1
Pyrene	<0.000182	U	0.000182	0.000130	mg/L		03/31/21 15:19	04/02/21 09:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*128*		*54 - 146*	*03/31/21 15:19*	*04/02/21 09:39*	*1*
Nitrobenzene-d5	*120*		*46 - 151*	*03/31/21 15:19*	*04/02/21 09:39*	*1*
p-Terphenyl-d14	*69*		*51 - 139*	*03/31/21 15:19*	*04/02/21 09:39*	*1*

Lab Sample ID: LCS 860-1997/2-A
Matrix: Water
Analysis Batch: 2072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0182	0.02403		mg/L		132	73 - 145
Acenaphthylene	0.0182	0.02478	*	mg/L		136	78 - 133
Anthracene	0.0182	0.02590	*	mg/L		142	77 - 127
Benzo[a]anthracene	0.0182	0.01415		mg/L		78	71 - 142
Benzo[a]pyrene	0.0182	0.008821	*	mg/L		49	76 - 140
Benzo[b]fluoranthene	0.0182	0.009998	*	mg/L		55	78 - 138
Benzo[g,h,i]perylene	0.0182	0.005388	*	mg/L		30	74 - 138
Benzo[k]fluoranthene	0.0182	0.007429	*	mg/L		41	79 - 128
Chrysene	0.0182	0.01353		mg/L		74	70 - 160
Dibenz(a,h)anthracene	0.0182	0.004335	*	mg/L		24	76 - 129
Dibenzofuran	0.0182	0.02467	*	mg/L		136	77 - 131
Fluoranthene	0.0182	0.02470		mg/L		136	67 - 142
Fluorene	0.0182	0.02476		mg/L		136	56 - 163
Indeno[1,2,3-cd]pyrene	0.0182	0.004999	*	mg/L		27	72 - 122
Naphthalene	0.0182	0.02378	*	mg/L		131	70 - 126
Phenanthrene	0.0182	0.02438		mg/L		134	74 - 138
Pyrene	0.0182	0.02500	*	mg/L		138	66 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*123*		*54 - 146*
Nitrobenzene-d5	*125*		*46 - 151*
p-Terphenyl-d14	*57*		*51 - 139*

Lab Sample ID: LCSD 860-1997/3-A
Matrix: Water
Analysis Batch: 2072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1997

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0182	0.02493		mg/L		137	73 - 145	4	30
Acenaphthylene	0.0182	0.02562	*	mg/L		141	78 - 133	3	30
Anthracene	0.0182	0.02656	*	mg/L		146	77 - 127	3	30
Benzo[a]anthracene	0.0182	0.01590		mg/L		87	71 - 142	12	30

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 860-1997/3-A
Matrix: Water
Analysis Batch: 2072

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1997

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]pyrene	0.0182	0.01050	*	mg/L		58	76 - 140	17	30
Benzo[b]fluoranthene	0.0182	0.01143	*	mg/L		63	78 - 138	13	30
Benzo[g,h,i]perylene	0.0182	0.006478	*	mg/L		36	74 - 138	18	30
Benzo[k]fluoranthene	0.0182	0.008980	*	mg/L		49	79 - 128	19	30
Chrysene	0.0182	0.01555		mg/L		86	70 - 160	14	30
Dibenz(a,h)anthracene	0.0182	0.005529	*	mg/L		30	76 - 129	24	30
Dibenzofuran	0.0182	0.02547	*	mg/L		140	77 - 131	3	30
Fluoranthene	0.0182	0.02556		mg/L		141	67 - 142	3	30
Fluorene	0.0182	0.02539		mg/L		140	56 - 163	3	30
Indeno[1,2,3-cd]pyrene	0.0182	0.006106	*	mg/L		34	72 - 122	20	30
Naphthalene	0.0182	0.02472	*	mg/L		136	70 - 126	4	30
Phenanthrene	0.0182	0.02506		mg/L		138	74 - 138	3	30
Pyrene	0.0182	0.02608	*	mg/L		143	66 - 126	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*127*		*54 - 146*
Nitrobenzene-d5	*129*		*46 - 151*
p-Terphenyl-d14	*66*		*51 - 139*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1096/8
Matrix: Water
Analysis Batch: 1096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			03/31/21 18:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			03/31/21 18:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			03/31/21 18:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			03/31/21 18:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			03/31/21 18:28	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			03/31/21 18:28	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			03/31/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*X*	*70 - 130*		*03/31/21 18:28*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*		*03/31/21 18:28*	*1*

Lab Sample ID: LCS 880-1096/3
Matrix: Water
Analysis Batch: 1096

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09856		mg/L		99	70 - 130
Toluene	0.100	0.1082		mg/L		108	70 - 130
Ethylbenzene	0.100	0.1024		mg/L		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2091		mg/L		105	70 - 130
o-Xylene	0.100	0.1134		mg/L		113	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-1096/3
Matrix: Water
Analysis Batch: 1096

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-1096/4
Matrix: Water
Analysis Batch: 1096

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09825		mg/L		98	70 - 130	0	20
Toluene			0.100	0.1092		mg/L		109	70 - 130	1	20
Ethylbenzene			0.100	0.1014		mg/L		101	70 - 130	1	20
m-Xylene & p-Xylene			0.200	0.2073		mg/L		104	70 - 130	1	20
o-Xylene			0.100	0.1128		mg/L		113	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-433-1 MS
Matrix: Water
Analysis Batch: 1096

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.1043		mg/L		104	70 - 130		
Toluene	<0.00200	U	0.100	0.1139		mg/L		114	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.1067		mg/L		107	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2185		mg/L		109	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1199		mg/L		120	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-433-1 MSD
Matrix: Water
Analysis Batch: 1096

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08754		mg/L		88	70 - 130	18	25
Toluene	<0.00200	U	0.100	0.09422		mg/L		94	70 - 130	19	25
Ethylbenzene	<0.00200	U	0.100	0.08693		mg/L		87	70 - 130	20	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1772		mg/L		89	70 - 130	21	25
o-Xylene	<0.00200	U	0.100	0.09663		mg/L		97	70 - 130	22	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

GC/MS Semi VOA

Analysis Batch: 1692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-1755/1-A	Method Blank	Total/NA	Water	8270D SIM	1755
LCS 860-1755/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	1755
LCSD 860-1755/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	1755

Prep Batch: 1755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-433-10	MW-2A	Total/NA	Water	3511	
MB 860-1755/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-1755/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-1755/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 1868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-433-10	MW-2A	Total/NA	Water	8270D SIM	1755

Prep Batch: 1997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-433-10	MW-2A	Total/NA	Water	3511	
MB 860-1997/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-1997/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-1997/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 2072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-433-10	MW-2A	Total/NA	Water	8270D SIM	1997
MB 860-1997/1-A	Method Blank	Total/NA	Water	8270D SIM	1997
LCS 860-1997/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	1997
LCSD 860-1997/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	1997

GC VOA

Analysis Batch: 1096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-433-1	MW-17	Total/NA	Water	8021B	
890-433-2	MW-18	Total/NA	Water	8021B	
890-433-3	MW-15	Total/NA	Water	8021B	
890-433-4	MW-14	Total/NA	Water	8021B	
890-433-5	MW-16	Total/NA	Water	8021B	
890-433-6	MW-1A	Total/NA	Water	8021B	
890-433-7	MW-19	Total/NA	Water	8021B	
890-433-8	MW-8A	Total/NA	Water	8021B	
890-433-9	MW-7A	Total/NA	Water	8021B	
890-433-10	MW-2A	Total/NA	Water	8021B	
MB 880-1096/8	Method Blank	Total/NA	Water	8021B	
LCS 880-1096/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1096/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-433-1 MS	MW-17	Total/NA	Water	8021B	
890-433-1 MSD	MW-17	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-17
Date Collected: 03/23/21 08:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 18:53	MR	XM

Client Sample ID: MW-18
Date Collected: 03/23/21 09:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 19:18	MR	XM

Client Sample ID: MW-15
Date Collected: 03/23/21 10:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 19:44	MR	XM

Client Sample ID: MW-14
Date Collected: 03/23/21 12:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 20:09	MR	XM

Client Sample ID: MW-16
Date Collected: 03/23/21 12:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 20:35	MR	XM

Client Sample ID: MW-1A
Date Collected: 03/23/21 13:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	03/31/21 21:00	MR	XM

Client Sample ID: MW-19
Date Collected: 03/24/21 09:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 00:23	MR	XM

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Client Sample ID: MW-8A
Date Collected: 03/24/21 10:30
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 00:48	MR	XM

Client Sample ID: MW-7A
Date Collected: 03/24/21 12:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 01:13	MR	XM

Client Sample ID: MW-2A
Date Collected: 03/24/21 14:00
Date Received: 03/25/21 13:32

Lab Sample ID: 890-433-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3511			1755	03/31/21 15:13	AH	XS
Total/NA	Analysis	8270D SIM		1	1868	04/01/21 12:52	EC1	XS
Total/NA	Prep	3511			1997	03/31/21 15:49	AH	XS
Total/NA	Analysis	8270D SIM		1	2072	04/02/21 12:32	EC1	XS
Total/NA	Analysis	8021B		1	1096	04/01/21 01:38	MR	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

XS = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Total BTEX

Laboratory: Eurofins Xenco, Stafford

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-39	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8270D SIM	3511	Water	Dibenzofuran

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	XS
8021B	Volatile Organic Compounds (GC)	SW846	XM
3511	Microextraction of Organic Compounds	SW846	XS
5030B	Purge and Trap	SW846	XM

Protocol References:

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

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

XS = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet

Job ID: 890-433-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-433-1	MW-17	Water	03/23/21 08:30	03/25/21 13:32	
890-433-2	MW-18	Water	03/23/21 09:00	03/25/21 13:32	
890-433-3	MW-15	Water	03/23/21 10:30	03/25/21 13:32	
890-433-4	MW-14	Water	03/23/21 12:00	03/25/21 13:32	
890-433-5	MW-16	Water	03/23/21 12:30	03/25/21 13:32	
890-433-6	MW-1A	Water	03/23/21 13:00	03/25/21 13:32	
890-433-7	MW-19	Water	03/24/21 09:30	03/25/21 13:32	
890-433-8	MW-8A	Water	03/24/21 10:30	03/25/21 13:32	
890-433-9	MW-7A	Water	03/24/21 12:00	03/25/21 13:32	
890-433-10	MW-2A	Water	03/24/21 14:00	03/25/21 13:32	

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas St.	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS#2000-10757
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough Sweet	Turn Around	
Project Number:	700376.050.11	☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roy Bell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	NM-007
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	1.2
Total Containers:		Corrected Temperature:	1.0

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: NaSO$_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	Parameters: PAH
MW-17	GW	8/23/21	8:30	N/A		3		X	
MW-18			9:00						
MW-15			10:30						
MW-14			12:00						
MW-16			~~1:00~~ 12:30						
MW-1A			~~9:30~~ 1:00						
MW-19		8/24/21	~~10:30~~ 9:30						
MW-8A			~~12:00~~ 10:30						
MW-7A			12:00						
MW-2A			2:00			5			X

ANALYSIS REQUEST

890-433 Chain of Custody

Sample Comments

Email Analytical to: Camille Bryant

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Roy Bell	Ace Cato	3.25.21 1332			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record 433

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-134.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-433-1
Address: 4147 Greenbriar Dr, ,	Due Date Requested: 3/31/2021			Preservation Codes:
City: Stafford	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: TX, 77477				
Phone: 281-240-4200(Tel)	PO #:			
Email:	WO #:			
Project Name: Kimbrough Sweet	Project #: 89000047			
Site:	SSOW#:			Other:

Temp: 4.9 IR ID:HOU-272
C/F:+0.1
Corrected Temp: 5.0

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D/3510C Polycyclic Aromatic Hydrocarbons (PAHs)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-2A (890-433-10)	3/24/21	14:00 Mountain		Water			X	2	

890-433 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being requested, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. All results are related only to the items tested and the sample(s) as received by the laboratory. The signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Clive Cuffy	3.26.21			3/27/21 1030	Xenco
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:
At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button. If required, print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide and applicable tariff, available upon request. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability, can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special, incidental, or consequential damages, including, without limitation, loss of profit, loss to the intrinsic value of the package, loss of sale, interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff. Written claims must be filed within strict time limits, see current FedEx Service Guide.

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s).	COC No: 890-132.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-433-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Kimbrough Sweet	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL, B NaOH, C - Zn Acetate, D Nitric Acid, E - NaHSO4, F MeOH, G - Amchlor, H Ascorbic Acid, I Ice, J - DI Water, K EDTA, L - EDA

M Hexane, N - None, O - AsNaO2, P - Na2O4S, Q Na2SO3, R - Na2S2O3, S H2SO4, T - TSP Dodecahydrate, U Acetone, V MCAA, W - pH 4-5, Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-17 (890-433-1)	3/23/21	08 30 Mountain		Water			X	3	
MW-18 (890-433-2)	3/23/21	09 00 Mountain		Water			X	3	
MW-15 (890-433-3)	3/23/21	10 30 Mountain		Water			X	3	
MW-14 (890-433-4)	3/23/21	12 00 Mountain		Water			X	2	
MW-16 (890-433-5)	3/23/21	12 30 Mountain		Water			X	3	
MW-1A (890-433-6)	3/23/21	13 00 Mountain		Water			X	2	
MW-19 (890-433-7)	3/24/21	09 30 Mountain		Water			X	3	
MW-8A (890-433-8)	3/24/21	10 30 Mountain		Water			X	3	
MW-7A (890-433-9)	3/24/21	12 00 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested I II III, IV, Other (specify) | Primary Deliverable Rank 2

Special Instructions/QC Requirements.

Empty Kit Relinquished by		Date	Time	Method of Shipment.	
Relinquished by: Coe Coutts 3-25-21	Date/Time:	Company	Received by: [signature]	Date/Time: 3/26/21 11:30am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-132 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-433-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Kimbrough Sweet	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K EDTA	W - pH 4-5
L EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW-17 (890-433-1)	3/23/21	08 30 Mountain		Water			X	3	
MW-18 (890-433-2)	3/23/21	09 00 Mountain		Water			X	3	
MW-15 (890-433-3)	3/23/21	10 30 Mountain		Water			X	3	
MW-14 (890-433-4)	3/23/21	12.00 Mountain		Water			X	2	
MW-16 (890-433-5)	3/23/21	12.30 Mountain		Water			X	3	
MW-1A (890-433-6)	3/23/21	13 00 Mountain		Water			X	2	
MW-19 (890-433-7)	3/24/21	09 30 Mountain		Water			X	3	
MW-8A (890-433-8)	3/24/21	10 30 Mountain		Water			X	3	
MW-7A (890-433-9)	3/24/21	12 00 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date.	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Cloe Cuffto 3-25-21				3/26/21 11:30am	
2	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
3	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-132.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-433-1
Address: 1211 W Florida Ave,	Due Date Requested: 3/31/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: Kimbrough Sweet	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A HCL	M - Hexane
B NaOH	N - None
C Zn Acetate	O AsNaO2
D Nitric Acid	P - Na2O4S
E NaHSO4	Q - Na2SO3
F MeOH	R - Na2S2O3
G Amchlor	S H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J DI Water	V MCAA
K - EDTA	W - pH 4-5
L EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code.						
MW-2A (890-433-10)	3/24/21	14 00 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested. I, II, III, IV, Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Cloe Cuff 3.25.21				3/26/21 11:30am	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-433-1
SDG Number: Hobbs NM

Login Number: 433
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-433-1
SDG Number: Hobbs NM

Login Number: 433
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/26/21 11:55 AM

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-433-1
SDG Number: Hobbs NM

Login Number: 433
List Number: 3
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/26/21 11:56 AM

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-433-1
SDG Number: Hobbs NM

Login Number: 433
List Number: 4
Creator: Torres, Sandra

List Source: Eurofins Stafford
List Creation: 03/27/21 11:15 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-440-1
Laboratory Sample Delivery Group: 700376.050.11
Client Project/Site: Kimbrough

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKRAMER

Authorized for release by:
4/2/2021 10:50:22 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-440-1
SDG: 700376.050.11

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Job ID: 890-440-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-440-1

Comments
No additional comments.

Receipt
The samples were received on 3/26/2021 12:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.0º C.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Client Sample ID: MW-12

Lab Sample ID: 890-440-1
Matrix: Water
Date Collected: 03/26/21 09:00
Date Received: 03/26/21 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000842**	**J**	0.00200	0.000408	mg/L			04/01/21 22:38	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 22:38	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 22:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 22:38	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 22:38	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 22:38	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*04/01/21 22:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*		*04/01/21 22:38*	*1*

Client Sample ID: MW-13

Lab Sample ID: 890-440-2
Matrix: Water
Date Collected: 03/26/21 09:20
Date Received: 03/26/21 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 23:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 23:03	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 23:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 23:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 23:03	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 23:03	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*		*04/01/21 23:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*04/01/21 23:03*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-440-1	MW-12	104	107										
890-440-2	MW-13	109	105										
LCS 880-1096/64	Lab Control Sample	88	104										
LCSD 880-1096/65	Lab Control Sample Dup	103	108										
MB 880-1070/5-A	Method Blank	66 X	85										
MB 880-1096/69	Method Blank	67 X	86										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1070/5-A
Matrix: Water
Analysis Batch: 1096

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		03/30/21 13:10	04/01/21 07:34	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		03/30/21 13:10	04/01/21 07:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		03/30/21 13:10	04/01/21 07:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		03/30/21 13:10	04/01/21 07:34	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		03/30/21 13:10	04/01/21 07:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L		03/30/21 13:10	04/01/21 07:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*X*	*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/30/21 13:10*	*04/01/21 07:34*	*1*

Lab Sample ID: MB 880-1096/69
Matrix: Water
Analysis Batch: 1096

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			04/01/21 20:08	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			04/01/21 20:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			04/01/21 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			04/01/21 20:08	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			04/01/21 20:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00100	mg/L			04/01/21 20:08	1
Total BTEX	<0.00200	U	0.00200	0.00100	mg/L			04/01/21 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*X*	*70 - 130*		*04/01/21 20:08*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*		*04/01/21 20:08*	*1*

Lab Sample ID: LCS 880-1096/64
Matrix: Water
Analysis Batch: 1096

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09503		mg/L		95	70 - 130
Toluene	0.100	0.09979		mg/L		100	70 - 130
Ethylbenzene	0.100	0.09228		mg/L		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1856		mg/L		93	70 - 130
o-Xylene	0.100	0.1014		mg/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

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

Lab Sample ID: LCSD 880-1096/65
Matrix: Water
Analysis Batch: 1096

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09041		mg/L		90	70 - 130	5	20
Toluene			0.100	0.09880		mg/L		99	70 - 130	1	20
Ethylbenzene			0.100	0.09219		mg/L		92	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.1878		mg/L		94	70 - 130	1	20
o-Xylene			0.100	0.1063		mg/L		106	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

GC VOA

Prep Batch: 1070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1070/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 1096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-440-1	MW-12	Total/NA	Water	8021B	
890-440-2	MW-13	Total/NA	Water	8021B	
MB 880-1070/5-A	Method Blank	Total/NA	Water	8021B	1070
MB 880-1096/69	Method Blank	Total/NA	Water	8021B	
LCS 880-1096/64	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-1096/65	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Client Sample ID: MW-12

Date Collected: 03/26/21 09:00
Date Received: 03/26/21 12:10

Lab Sample ID: 890-440-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 22:38	MR	XM

Client Sample ID: MW-13

Date Collected: 03/26/21 09:20
Date Received: 03/26/21 12:10

Lab Sample ID: 890-440-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	1096	04/01/21 23:03	MR	XM

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

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

Protocol References:

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

Laboratory References:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough

Job ID: 890-440-1
SDG: 700376.050.11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-440-1	MW-12	Water	03/26/21 09:00	03/26/21 12:10	
890-440-2	MW-13	Water	03/26/21 09:20	03/26/21 12:10	

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	D. Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon / LPE	Company Name:	Pipeline
Address:	408 W Texas Ave	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2000-10757
Phone:	575-746-8768	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough	Turn Around	
Project Number:	700376.050.11	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Brandon Sinclair	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-07	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.0	

ANALYSIS REQUEST

Pres. Code

Parameters: BTEX

890-440 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	Sample Comments
MW-12	Aq	3/26/21	09:00	N/A	G	3	✓	Email analyticals to: Camille Bryant
MW-13	Aq	3/26/21	09:20	N/A	G	3	✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3.26.21 1210			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-135 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-440-1
Address: 1211 W Florida Ave ,	Due Date Requested: 4/1/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Kimbrough	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A HCL	M Hexane
B - NaOH	N None
C Zn Acetate	O AsNaO2
D Nitric Acid	P Na2O4S
E NaHSO4	Q - Na2SO3
F MeOH	R Na2S2O3
G Amchlor	S - H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U Acetone
J - DI Water	V - MCAA
K EDTA	W pH 4-5
L EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X		X	
MW-12 (890-440-1)	3/26/21	09 00 Mountain		Water			X	3	
MW-13 (890-440-2)	3/26/21	09 20 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For ________ Months*

Deliverable Requested I II III IV, Other (specify) — Primary Deliverable Rank 2

Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Cloe Cufts 3:26:21	Date/Time:	Company	Received by: [signature]	Date/Time: 3/29/21 11:30am	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-440-1
SDG Number: 700376.050.11

Login Number: 440
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-440-1
SDG Number: 700376.050.11

Login Number: 440
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 03/29/21 12:00 PM

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

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-839-1
Client Project/Site: Kimbrough Sweet 8" (KIM)

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKramer

Authorized for release by:
6/24/2021 8:13:57 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8" (KIM)

Laboratory Job ID: 890-839-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8" (KIM)

Job ID: 890-839-1

Job ID: 890-839-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-839-1

Receipt
The samples were received on 6/21/2021 8:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: MW-8A (890-839-1), MW-7A (890-839-2), MW-19 (890-839-3), MW-1A (890-839-4), MW-16 (890-839-5), MW-12 (890-839-6), MW-14 (890-839-7), MW-15 (890-839-8), (LCS 880-4464/34), (LCSD 880-4464/35), (MB 880-4464/39), (880-3234-A-7), (880-3234-A-7 MS) and (880-3234-A-7 MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-8A
Lab Sample ID: 890-839-1
Date Collected: 06/18/21 08:30
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 03:22	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 03:22	1
Ethylbenzene	**0.000987**	**J**	0.00200	0.000657	mg/L			06/23/21 03:22	1
m-Xylene & p-Xylene	**0.00219**	**J**	0.00400	0.000629	mg/L			06/23/21 03:22	1
o-Xylene	**0.000959**	**J**	0.00200	0.000642	mg/L			06/23/21 03:22	1
Xylenes, Total	**0.00315**	**J**	0.00400	0.000642	mg/L			06/23/21 03:22	1
Total BTEX	**0.00414**		0.00400	0.000657	mg/L			06/23/21 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*		*06/23/21 03:22*	*1*
1,4-Difluorobenzene (Surr)	*147*	*S1+*	*70 - 130*		*06/23/21 03:22*	*1*

Client Sample ID: MW-7A
Lab Sample ID: 890-839-2
Date Collected: 06/18/21 09:30
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 03:48	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 03:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 03:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 03:48	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 03:48	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 03:48	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/23/21 03:48*	*1*
1,4-Difluorobenzene (Surr)	*146*	*S1+*	*70 - 130*		*06/23/21 03:48*	*1*

Client Sample ID: MW-19
Lab Sample ID: 890-839-3
Date Collected: 06/18/21 10:30
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 04:13	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 04:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 04:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 04:13	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 04:13	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 04:13	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*06/23/21 04:13*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*		*06/23/21 04:13*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-1A
Lab Sample ID: 890-839-4
Date Collected: 06/18/21 10:00
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 04:38	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 04:38	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 04:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 04:38	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 04:38	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 04:38	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/23/21 04:38*	*1*
1,4-Difluorobenzene (Surr)	*149*	*S1+*	*70 - 130*		*06/23/21 04:38*	*1*

Client Sample ID: MW-16
Lab Sample ID: 890-839-5
Date Collected: 06/18/21 09:40
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 05:04	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 05:04	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 05:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 05:04	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 05:04	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 05:04	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 05:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*06/23/21 05:04*	*1*
1,4-Difluorobenzene (Surr)	*152*	*S1+*	*70 - 130*		*06/23/21 05:04*	*1*

Client Sample ID: MW-12
Lab Sample ID: 890-839-6
Date Collected: 06/18/21 09:10
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 05:29	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 05:29	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 05:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 05:29	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 05:29	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 05:29	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*06/23/21 05:29*	*1*
1,4-Difluorobenzene (Surr)	*151*	*S1+*	*70 - 130*		*06/23/21 05:29*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-14
Lab Sample ID: 890-839-7
Date Collected: 06/18/21 11:20
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 05:55	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 05:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 05:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 05:55	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 05:55	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 05:55	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*		*06/23/21 05:55*	*1*
1,4-Difluorobenzene (Surr)	*154*	*S1+*	*70 - 130*		*06/23/21 05:55*	*1*

Client Sample ID: MW-15
Lab Sample ID: 890-839-8
Date Collected: 06/18/21 12:15
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 06:20	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 06:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 06:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 06:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 06:20	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 06:20	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/23/21 06:20*	*1*
1,4-Difluorobenzene (Surr)	*155*	*S1+*	*70 - 130*		*06/23/21 06:20*	*1*

Client Sample ID: MW-18
Lab Sample ID: 890-839-9
Date Collected: 06/18/21 10:30
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 09:23	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 09:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 09:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 09:23	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 09:23	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 09:23	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*		*06/23/21 09:23*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*		*06/23/21 09:23*	*1*

Client Sample Results

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-17
Lab Sample ID: 890-839-10
Date Collected: 06/18/21 10:10
Matrix: Water
Date Received: 06/21/21 08:01
Sample Depth: - N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 09:48	1
Toluene	**0.000404**	**J**	0.00200	0.000367	mg/L			06/23/21 09:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 09:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 09:48	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 09:48	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 09:48	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*		*06/23/21 09:48*	*1*
1,4-Difluorobenzene (Surr)	*143*	*S1+*	*70 - 130*		*06/23/21 09:48*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8" (KIM)

Job ID: 890-839-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-839-1	MW-8A	112	147 S1+										
890-839-2	MW-7A	103	146 S1+										
890-839-3	MW-19	100	141 S1+										
890-839-4	MW-1A	103	149 S1+										
890-839-5	MW-16	103	152 S1+										
890-839-6	MW-12	104	151 S1+										
890-839-7	MW-14	110	154 S1+										
890-839-8	MW-15	105	155 S1+										
890-839-9	MW-18	113	117										
890-839-10	MW-17	108	143 S1+										
LCS 880-4464/34	Lab Control Sample	96	158 S1+										
LCSD 880-4464/35	Lab Control Sample Dup	95	151 S1+										
MB 880-4464/39	Method Blank	64 S1-	119										
MB 880-4464/8	Method Blank	62 S1-	111										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4464/39
Matrix: Water
Analysis Batch: 4464

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/23/21 02:31	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/23/21 02:31	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/23/21 02:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/23/21 02:31	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/23/21 02:31	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/23/21 02:31	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/23/21 02:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*		*06/23/21 02:31*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*		*06/23/21 02:31*	*1*

Lab Sample ID: MB 880-4464/8
Matrix: Water
Analysis Batch: 4464

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			06/22/21 13:28	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			06/22/21 13:28	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			06/22/21 13:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			06/22/21 13:28	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			06/22/21 13:28	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			06/22/21 13:28	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			06/22/21 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*62*	*S1-*	*70 - 130*		*06/22/21 13:28*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*		*06/22/21 13:28*	*1*

Lab Sample ID: LCS 880-4464/34
Matrix: Water
Analysis Batch: 4464

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1221		mg/L		122	70 - 130		
Toluene			0.100	0.1166		mg/L		117	70 - 130		
Ethylbenzene			0.100	0.1065		mg/L		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.2195		mg/L		110	70 - 130		
o-Xylene			0.100	0.1098		mg/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*158*	*S1+*	*70 - 130*

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8" (KIM)

Job ID: 890-839-1

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

Lab Sample ID: LCSD 880-4464/35
Matrix: Water
Analysis Batch: 4464

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1204		mg/L		120	70 - 130	1	20
Toluene			0.100	0.1234		mg/L		123	70 - 130	6	20
Ethylbenzene			0.100	0.1061		mg/L		106	70 - 130	0	20
m-Xylene & p-Xylene			0.200	0.2185		mg/L		109	70 - 130	0	20
o-Xylene			0.100	0.1094		mg/L		109	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*151*	*S1+*	*70 - 130*

QC Association Summary

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

GC VOA

Analysis Batch: 4464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-839-1	MW-8A	Total/NA	Water	8021B	
890-839-2	MW-7A	Total/NA	Water	8021B	
890-839-3	MW-19	Total/NA	Water	8021B	
890-839-4	MW-1A	Total/NA	Water	8021B	
890-839-5	MW-16	Total/NA	Water	8021B	
890-839-6	MW-12	Total/NA	Water	8021B	
890-839-7	MW-14	Total/NA	Water	8021B	
890-839-8	MW-15	Total/NA	Water	8021B	
890-839-9	MW-18	Total/NA	Water	8021B	
890-839-10	MW-17	Total/NA	Water	8021B	
MB 880-4464/39	Method Blank	Total/NA	Water	8021B	
MB 880-4464/8	Method Blank	Total/NA	Water	8021B	
LCS 880-4464/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-4464/35	Lab Control Sample Dup	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-8A
Lab Sample ID: 890-839-1
Date Collected: 06/18/21 08:30
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 03:22	MR	XEN MID

Client Sample ID: MW-7A
Lab Sample ID: 890-839-2
Date Collected: 06/18/21 09:30
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 03:48	MR	XEN MID

Client Sample ID: MW-19
Lab Sample ID: 890-839-3
Date Collected: 06/18/21 10:30
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 04:13	MR	XEN MID

Client Sample ID: MW-1A
Lab Sample ID: 890-839-4
Date Collected: 06/18/21 10:00
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 04:38	MR	XEN MID

Client Sample ID: MW-16
Lab Sample ID: 890-839-5
Date Collected: 06/18/21 09:40
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 05:04	MR	XEN MID

Client Sample ID: MW-12
Lab Sample ID: 890-839-6
Date Collected: 06/18/21 09:10
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 05:29	MR	XEN MID

Client Sample ID: MW-14
Lab Sample ID: 890-839-7
Date Collected: 06/18/21 11:20
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 05:55	MR	XEN MID

Lab Chronicle

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Client Sample ID: MW-15
Lab Sample ID: 890-839-8
Date Collected: 06/18/21 12:15
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 06:20	MR	XEN MID

Client Sample ID: MW-18
Lab Sample ID: 890-839-9
Date Collected: 06/18/21 10:30
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 09:23	MR	XEN MID

Client Sample ID: MW-17
Lab Sample ID: 890-839-10
Date Collected: 06/18/21 10:10
Matrix: Water
Date Received: 06/21/21 08:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	4464	06/23/21 09:48	MR	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8" (KIM)

Job ID: 890-839-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Job ID: 890-839-1
Project/Site: Kimbrough Sweet 8" (KIM)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-839-1	MW-8A	Water	06/18/21 08:30	06/21/21 08:01	- N/A
890-839-2	MW-7A	Water	06/18/21 09:30	06/21/21 08:01	- N/A
890-839-3	MW-19	Water	06/18/21 10:30	06/21/21 08:01	- N/A
890-839-4	MW-1A	Water	06/18/21 10:00	06/21/21 08:01	- N/A
890-839-5	MW-16	Water	06/18/21 09:40	06/21/21 08:01	- N/A
890-839-6	MW-12	Water	06/18/21 09:10	06/21/21 08:01	- N/A
890-839-7	MW-14	Water	06/18/21 11:20	06/21/21 08:01	- N/A
890-839-8	MW-15	Water	06/18/21 12:15	06/21/21 08:01	- N/A
890-839-9	MW-18	Water	06/18/21 10:30	06/21/21 08:01	- N/A
890-839-10	MW-17	Water	06/18/21 10:10	06/21/21 08:01	- N/A

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

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Work Order No: _____

Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas St.	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS # 2000-10757
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough Sweet 8" (KIM)	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Hobbs, NM	Due Date:	
Sampler's Name:	Roybell, James C.	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS# 2000-10757		

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.0	
Total Containers:		Corrected Temperature:	4.8	

ANALYSIS REQUEST

Parameters: BTEX 8021B

890-839 Chain of Custody

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	
MW-8A	GW	6/18/21	8:30	N/A		3	X
MW-7A			9:30				
MW-19			10:30				
MW-1A			10:00				
MW-16			9:40				
MW-12			9:10				
MW-14			11:20				
MW-16			12:15				
MW-18			10:30				
MW-17			10:10				

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
AlGraves@paalp.com
MaOchoa@paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed ~~TCLP / SPLP 6010~~: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6/21/21 8:01	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-839-1
SDG Number:

Login Number: 839
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-839-1
SDG Number:

Login Number: 839
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland
List Creation: 06/22/21 12:00 PM

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

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1275-1
Laboratory Sample Delivery Group: Lea County NM
Client Project/Site: Kimbrough Sweet (Kimbrough)

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

Holly Taylor

Authorized for release by:
9/24/2021 5:27:40 PM
Holly Taylor, Project Manager
holly.taylor@eurofinset.com

Designee for

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Laboratory Job ID: 890-1275-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Job ID: 890-1275-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1275-1

Comments
No additional comments.

Receipt
The samples were received on 9/17/2021 1:17 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.2º C.

GC VOA
Method 8021B: 1,4-Difluorobenzene Surrogate recovery for the following samples were outside control limits: MW-1A (890-1275-1), MW-2A (890-1275-2), MW-7A (890-1275-3), MW-8A (890-1275-4), MW-12 (890-1275-5), MW-14 (890-1275-6) and MW-15 (890-1275-7). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-8335/39). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-1A
Date Collected: 09/16/21 13:30
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-1
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/21/21 03:02	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 03:02	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 03:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/21/21 03:02	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/21/21 03:02	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/21/21 03:02	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/21/21 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*09/21/21 03:02*	*1*
1,4-Difluorobenzene (Surr)	*220*	*S1+*	*70 - 130*		*09/21/21 03:02*	*1*

Client Sample ID: MW-2A
Date Collected: 09/16/21 13:30
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.344**		0.00200	0.000408	mg/L			09/21/21 03:28	1
Toluene	**0.0122**		0.00200	0.000367	mg/L			09/21/21 03:28	1
Ethylbenzene	**0.0824**		0.00200	0.000657	mg/L			09/21/21 03:28	1
m-Xylene & p-Xylene	**0.139**		0.00400	0.000629	mg/L			09/21/21 03:28	1
o-Xylene	**0.0507**		0.00200	0.000642	mg/L			09/21/21 03:28	1
Xylenes, Total	**0.190**		0.00400	0.000642	mg/L			09/21/21 03:28	1
Total BTEX	**0.628**		0.00400	0.000657	mg/L			09/21/21 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*		*09/21/21 03:28*	*1*
1,4-Difluorobenzene (Surr)	*292*	*S1+*	*70 - 130*		*09/21/21 03:28*	*1*

Client Sample ID: MW-7A
Date Collected: 09/16/21 12:25
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/21/21 03:54	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 03:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 03:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/21/21 03:54	1
o-Xylene	**0.00112**	**J**	0.00200	0.000642	mg/L			09/21/21 03:54	1
Xylenes, Total	**0.00112**	**J**	0.00400	0.000642	mg/L			09/21/21 03:54	1
Total BTEX	**0.00112**	**J**	0.00400	0.000657	mg/L			09/21/21 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*09/21/21 03:54*	*1*
1,4-Difluorobenzene (Surr)	*266*	*S1+*	*70 - 130*		*09/21/21 03:54*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-8A
Date Collected: 09/16/21 11:30
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000542**	**J**	0.00200	0.000408	mg/L			09/21/21 04:20	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 04:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 04:20	1
m-Xylene & p-Xylene	**0.00359**	**J**	0.00400	0.000629	mg/L			09/21/21 04:20	1
o-Xylene	**0.00113**	**J**	0.00200	0.000642	mg/L			09/21/21 04:20	1
Xylenes, Total	**0.00472**		0.00400	0.000642	mg/L			09/21/21 04:20	1
Total BTEX	**0.00526**		0.00400	0.000657	mg/L			09/21/21 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*09/21/21 04:20*	*1*
1,4-Difluorobenzene (Surr)	*276*	*S1+*	*70 - 130*		*09/21/21 04:20*	*1*

Client Sample ID: MW-12
Date Collected: 09/17/21 08:30
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/21/21 04:45	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 04:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 04:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/21/21 04:45	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/21/21 04:45	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/21/21 04:45	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/21/21 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/21/21 04:45*	*1*
1,4-Difluorobenzene (Surr)	*287*	*S1+*	*70 - 130*		*09/21/21 04:45*	*1*

Client Sample ID: MW-14
Date Collected: 09/16/21 12:05
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-6
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/21/21 05:11	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 05:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 05:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/21/21 05:11	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/21/21 05:11	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/21/21 05:11	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/21/21 05:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/21/21 05:11*	*1*
1,4-Difluorobenzene (Surr)	*273*	*S1+*	*70 - 130*		*09/21/21 05:11*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-15
Date Collected: 09/16/21 12:45
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-7
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/21/21 05:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/21/21 05:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/21/21 05:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/21/21 05:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/21/21 05:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/21/21 05:37	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/21/21 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*09/21/21 05:37*	*1*
1,4-Difluorobenzene (Surr)	*275*	*S1+*	*70 - 130*		*09/21/21 05:37*	*1*

Client Sample ID: MW-16
Date Collected: 09/17/21 09:00
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-8
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/24/21 12:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/24/21 12:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/24/21 12:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/24/21 12:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/24/21 12:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/24/21 12:37	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/24/21 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*		*09/24/21 12:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*09/24/21 12:37*	*1*

Client Sample ID: MW-17
Date Collected: 09/17/21 07:25
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-9
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/24/21 13:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/24/21 13:03	1
Ethylbenzene	**0.000972**	**J**	0.00200	0.000657	mg/L			09/24/21 13:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/24/21 13:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/24/21 13:03	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/24/21 13:03	1
Total BTEX	**0.000972**	**J**	0.00400	0.000657	mg/L			09/24/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*09/24/21 13:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*		*09/24/21 13:03*	*1*

Client Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-18

Date Collected: 09/17/21 08:05
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-10
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/24/21 13:30	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/24/21 13:30	1
Ethylbenzene	**0.00127**	**J**	0.00200	0.000657	mg/L			09/24/21 13:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/24/21 13:30	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/24/21 13:30	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/24/21 13:30	1
Total BTEX	**0.00127**	**J**	0.00400	0.000657	mg/L			09/24/21 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*09/24/21 13:30*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*		*09/24/21 13:30*	*1*

Client Sample ID: MW-19A

Date Collected: 09/17/21 09:15
Date Received: 09/17/21 13:17
Sample Depth: N/A

Lab Sample ID: 890-1275-11
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/24/21 13:57	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/24/21 13:57	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/24/21 13:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/24/21 13:57	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/24/21 13:57	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/24/21 13:57	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/24/21 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*09/24/21 13:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*		*09/24/21 13:57*	*1*

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1264-A-1 MS	Matrix Spike	95	96
890-1264-A-1 MSD	Matrix Spike Duplicate	95	100
890-1275-1	MW-1A	101	220 S1+
890-1275-2	MW-2A	115	292 S1+
890-1275-3	MW-7A	106	266 S1+
890-1275-4	MW-8A	99	276 S1+
890-1275-5	MW-12	107	287 S1+
890-1275-6	MW-14	100	273 S1+
890-1275-7	MW-15	107	275 S1+
890-1275-8	MW-16	111	99
890-1275-8 MS	MW-16	100	106
890-1275-8 MSD	MW-16	104	110
890-1275-9	MW-17	86	94
890-1275-10	MW-18	100	102
890-1275-11	MW-19A	104	100
LCS 880-8153/3	Lab Control Sample	118	108
LCS 880-8335/34	Lab Control Sample	88	108
LCSD 880-8153/4	Lab Control Sample Dup	112	106
LCSD 880-8335/35	Lab Control Sample Dup	99	109
MB 880-8153/8	Method Blank	79	95
MB 880-8335/39	Method Blank	65 S1-	89
MB 880-8335/8	Method Blank	64 S1-	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8153/8
Matrix: Water
Analysis Batch: 8153

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/20/21 19:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/20/21 19:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/20/21 19:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/20/21 19:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/20/21 19:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/20/21 19:37	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/20/21 19:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*09/20/21 19:37*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*		*09/20/21 19:37*	*1*

Lab Sample ID: LCS 880-8153/3
Matrix: Water
Analysis Batch: 8153

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09903		mg/L		99	70 - 130		
Toluene			0.100	0.09893		mg/L		99	70 - 130		
Ethylbenzene			0.100	0.1024		mg/L		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2291		mg/L		115	70 - 130		
o-Xylene			0.100	0.1101		mg/L		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-8153/4
Matrix: Water
Analysis Batch: 8153

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09618		mg/L		96	70 - 130	3	20
Toluene			0.100	0.1038		mg/L		104	70 - 130	5	20
Ethylbenzene			0.100	0.09945		mg/L		99	70 - 130	3	20
m-Xylene & p-Xylene			0.200	0.2232		mg/L		112	70 - 130	3	20
o-Xylene			0.100	0.1086		mg/L		109	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-1264-A-1 MS
Matrix: Water
Analysis Batch: 8153

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	0.00215		0.100	0.07993		mg/L		78	70 - 130		

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

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

Lab Sample ID: 890-1264-A-1 MS
Matrix: Water
Analysis Batch: 8153

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00200	U	0.100	0.08894		mg/L		89	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08522		mg/L		85	70 - 130
m-Xylene & p-Xylene	0.000702	J	0.200	0.1904		mg/L		95	70 - 130
o-Xylene	<0.00200	U	0.100	0.09240		mg/L		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-1264-A-1 MSD
Matrix: Water
Analysis Batch: 8153

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00215		0.100	0.08408		mg/L		82	70 - 130	5	25
Toluene	<0.00200	U	0.100	0.09524		mg/L		95	70 - 130	7	25
Ethylbenzene	<0.00200	U	0.100	0.09015		mg/L		90	70 - 130	6	25
m-Xylene & p-Xylene	0.000702	J	0.200	0.2024		mg/L		101	70 - 130	6	25
o-Xylene	<0.00200	U	0.100	0.09814		mg/L		98	70 - 130	6	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-8335/39
Matrix: Water
Analysis Batch: 8335

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/24/21 12:10	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/24/21 12:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/24/21 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/24/21 12:10	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/24/21 12:10	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/24/21 12:10	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/24/21 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*		*09/24/21 12:10*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*		*09/24/21 12:10*	*1*

Lab Sample ID: MB 880-8335/8
Matrix: Water
Analysis Batch: 8335

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			09/23/21 22:15	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			09/23/21 22:15	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-8335/8
Matrix: Water
Analysis Batch: 8335

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			09/23/21 22:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			09/23/21 22:15	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			09/23/21 22:15	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			09/23/21 22:15	1
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			09/23/21 22:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*		*09/23/21 22:15*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*09/23/21 22:15*	*1*

Lab Sample ID: LCS 880-8335/34
Matrix: Water
Analysis Batch: 8335

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08916		mg/L		89	70 - 130		
Toluene			0.100	0.08386		mg/L		84	70 - 130		
Ethylbenzene			0.100	0.08098		mg/L		81	70 - 130		
m-Xylene & p-Xylene			0.200	0.1736		mg/L		87	70 - 130		
o-Xylene			0.100	0.08933		mg/L		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-8335/35
Matrix: Water
Analysis Batch: 8335

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09214		mg/L		92	70 - 130	3	20
Toluene			0.100	0.1014		mg/L		101	70 - 130	19	20
Ethylbenzene			0.100	0.09834		mg/L		98	70 - 130	19	20
m-Xylene & p-Xylene			0.200	0.2121		mg/L		106	70 - 130	20	20
o-Xylene			0.100	0.1087		mg/L		109	70 - 130	20	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-1275-8 MS
Matrix: Water
Analysis Batch: 8335

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.09409		mg/L		94	70 - 130		
Toluene	<0.00200	U	0.100	0.1030		mg/L		103	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09746		mg/L		97	70 - 130		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

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

Lab Sample ID: 890-1275-8 MS
Matrix: Water
Analysis Batch: 8335

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2099		mg/L		105	70 - 130
o-Xylene	<0.00200	U	0.100	0.1071		mg/L		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-1275-8 MSD
Matrix: Water
Analysis Batch: 8335

Client Sample ID: MW-16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09441		mg/L		94	70 - 130	0	25
Toluene	<0.00200	U	0.100	0.1045		mg/L		105	70 - 130	1	25
Ethylbenzene	<0.00200	U	0.100	0.09964		mg/L		100	70 - 130	2	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2147		mg/L		107	70 - 130	2	25
o-Xylene	<0.00200	U	0.100	0.1099		mg/L		110	70 - 130	3	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

GC VOA

Analysis Batch: 8153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1275-1	MW-1A	Total/NA	Water	8021B	
890-1275-2	MW-2A	Total/NA	Water	8021B	
890-1275-3	MW-7A	Total/NA	Water	8021B	
890-1275-4	MW-8A	Total/NA	Water	8021B	
890-1275-5	MW-12	Total/NA	Water	8021B	
890-1275-6	MW-14	Total/NA	Water	8021B	
890-1275-7	MW-15	Total/NA	Water	8021B	
MB 880-8153/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8153/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8153/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1264-A-1 MS	Matrix Spike	Total/NA	Water	8021B	
890-1264-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 8335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1275-8	MW-16	Total/NA	Water	8021B	
890-1275-9	MW-17	Total/NA	Water	8021B	
890-1275-10	MW-18	Total/NA	Water	8021B	
890-1275-11	MW-19A	Total/NA	Water	8021B	
MB 880-8335/39	Method Blank	Total/NA	Water	8021B	
MB 880-8335/8	Method Blank	Total/NA	Water	8021B	
LCS 880-8335/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-8335/35	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1275-8 MS	MW-16	Total/NA	Water	8021B	
890-1275-8 MSD	MW-16	Total/NA	Water	8021B	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-1A
Date Collected: 09/16/21 13:30
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 03:02	KL	XEN MID

Client Sample ID: MW-2A
Date Collected: 09/16/21 13:30
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 03:28	KL	XEN MID

Client Sample ID: MW-7A
Date Collected: 09/16/21 12:25
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 03:54	KL	XEN MID

Client Sample ID: MW-8A
Date Collected: 09/16/21 11:30
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 04:20	KL	XEN MID

Client Sample ID: MW-12
Date Collected: 09/17/21 08:30
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 04:45	KL	XEN MID

Client Sample ID: MW-14
Date Collected: 09/16/21 12:05
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 05:11	KL	XEN MID

Client Sample ID: MW-15
Date Collected: 09/16/21 12:45
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8153	09/21/21 05:37	KL	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Client Sample ID: MW-16
Date Collected: 09/17/21 09:00
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8335	09/24/21 12:37	MR	XEN MID

Client Sample ID: MW-17
Date Collected: 09/17/21 07:25
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8335	09/24/21 13:03	MR	XEN MID

Client Sample ID: MW-18
Date Collected: 09/17/21 08:05
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8335	09/24/21 13:30	MR	XEN MID

Client Sample ID: MW-19A
Date Collected: 09/17/21 09:15
Date Received: 09/17/21 13:17

Lab Sample ID: 890-1275-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	8335	09/24/21 13:57	MR	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8021B		Water	Total BTEX

Method Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet (Kimbrough)

Job ID: 890-1275-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1275-1	MW-1A	Water	09/16/21 13:30	09/17/21 13:17	N/A
890-1275-2	MW-2A	Water	09/16/21 13:30	09/17/21 13:17	N/A
890-1275-3	MW-7A	Water	09/16/21 12:25	09/17/21 13:17	N/A
890-1275-4	MW-8A	Water	09/16/21 11:30	09/17/21 13:17	N/A
890-1275-5	MW-12	Water	09/17/21 08:30	09/17/21 13:17	N/A
890-1275-6	MW-14	Water	09/16/21 12:05	09/17/21 13:17	N/A
890-1275-7	MW-15	Water	09/16/21 12:45	09/17/21 13:17	N/A
890-1275-8	MW-16	Water	09/17/21 09:00	09/17/21 13:17	N/A
890-1275-9	MW-17	Water	09/17/21 07:25	09/17/21 13:17	N/A
890-1275-10	MW-18	Water	09/17/21 08:05	09/17/21 13:17	N/A
890-1275-11	MW-19A	Water	09/17/21 09:15	09/17/21 13:17	N/A

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2000-10757
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough Sweet (Kimbrough)	Turn Around	
Project Number:		☑ Routine ☐ Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M.Collier/D.Winchell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2000-10757		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

ANALYSIS REQUEST

Pres. Code / Parameters

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B
MW-1A	GW	9-16-21	1:30 pm	N/A	Grab	3	X
MW-2A			1:30 pm				
MW-7A			12:25 pm				
MW-8A			11:30 am				
MW-12		9-17-21	8:30 am				
MW-14		9-16-21	12:05 pm				
MW-15		9-16-21	12:45 pm				
MW-16		9-17-21	9:00 am				
MW-17			7:25				
MW-18			8:05				

890-1275 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
Maocho@paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

~~Circle Method(s) and Metal(s) to be analyzed~~ **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9.17.21 1317	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	D.Adkins	Bill to: (if different)	Plains All American Pipeline
Company Name:	Talon LPE	Company Name:	ATTN: Camille Bryant
Address:	408 W. Texas Ave.	Address:	SRS # 2000-10757
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	
Phone:	575.746.8768	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough Sweet (Kimbrough)	Turn Around	
Project Number:		☑Routine ☐Rush	
Project Location:	Lea County, NM	Due Date:	
Sampler's Name:	M.Collier/D.Winchell	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS # 2000-10757		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	RJT	
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B															Sample Comments
MW-19A	GW	9-17-21	9:15	N/A	Grab	3		X															Email Analyticals to:
																							CJBryant@paalp.com
																							ALGroves@paalp.com
																							Maocho@paalp.com

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

~~Circle Method(s) and Metal(s) to be analyzed~~ **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			9-17-21 1317			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-413 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1275-1
Address: 1211 W Florida Ave	Due Date Requested: 9/23/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Kimbrough Sweet (Kimbrough)	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-1A (890-1275-1)	9/16/21	13 30 Mountain		Water			X	3	
MW-2A (890-1275-2)	9/16/21	13 30 Mountain		Water			X	3	
MW-7A (890-1275-3)	9/16/21	12 25 Mountain		Water			X	3	
MW-8A (890-1275-4)	9/16/21	11 30 Mountain		Water			X	3	
MW-12 (890-1275-5)	9/17/21	08 30 Mountain		Water			X	3	
MW-14 (890-1275-6)	9/16/21	12 05 Mountain		Water			X	3	
MW-15 (890-1275-7)	9/16/21	12 45 Mountain		Water			X	3	
MW-16 (890-1275-8)	9/17/21	09 00 Mountain		Water			X	3	
MW-17 (890-1275-9)	9/17/21	07 25 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time.	Method of Shipment:

Relinquished by: Clue Cruz 9.17.21	Date/Time	Company	Received by:	Date/Time: 9/18/21 11:00	Company: Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-413 2
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1275-1
Address: 1211 W Florida Ave ,	Due Date Requested: 9/23/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #			
Project Name: Kimbrough Sweet (Kimbrough)	Project #: 89000047			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A - HCL	M Hexane		
B NaOH	N None		
C Zn Acetate	O AsNaO2		
D - Nitric Acid	P Na2O4S		
E NaHSO4	Q Na2SO3		
F MeOH	R Na2S2O3		
G Amchlor	S - H2SO4		
H Ascorbic Acid	T TSP Dodecahydrate		
I Ice	U Acetone		
J DI Water	V - MCAA		
K - EDTA	W pH 4-5		
L EDA	Z other (specify)		

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note
			Preservation Code:						
MW-18 (890-1275-10)	9/17/21	08 05 Mountain		Water			X	3	
MW-19A (890-1275-11)	9/17/21	09 15 Mountain		Water			X	3	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by: Cree Cy 9-17-21	Date/Time:	Company	Received by:	Date/Time: 9/18/21 1100	Company: Xenco
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1275-1
SDG Number: Lea County NM

Login Number: 1275
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-1275-1
SDG Number: Lea County NM

Login Number: 1275
List Number: 2
Creator: Lowe, Katie

List Source: Eurofins Xenco, Midland
List Creation: 09/18/21 01:36 PM

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

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1664-1
Client Project/Site: Kimbrough Sweet 8''

For:
Talon/LPE
408 W. Texas St.
Artesia, New Mexico 88210

Attn: David Adkins

JKramer

Authorized for release by:
12/8/2021 4:55:29 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Laboratory Job ID: 890-1664-1

Table of Contents

Definitions/Glossary

Client: Talon/LPE Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Job ID: 890-1664-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1664-1

Receipt
The samples were received on 12/1/2021 2:06 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

GC VOA
Method 8021B: The following sample was diluted due to the nature of the sample matrix: MW-12 (890-1664-7) at 10.0. Elevated reporting limits (RLs) are provided.

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

Client Sample Results

Client: Talon/LPE
Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Client Sample ID: MW-15
Lab Sample ID: 890-1664-1
Date Collected: 12/01/21 09:00
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/04/21 22:50	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/04/21 22:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/04/21 22:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/04/21 22:50	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/04/21 22:50	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/04/21 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*12/04/21 22:50*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*		*12/04/21 22:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-14
Lab Sample ID: 890-1664-2
Date Collected: 12/01/21 10:00
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/04/21 23:16	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/04/21 23:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/04/21 23:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/04/21 23:16	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/04/21 23:16	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/04/21 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*12/04/21 23:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*12/04/21 23:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-7A
Lab Sample ID: 890-1664-3
Date Collected: 12/01/21 11:00
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 18:11	1
Toluene	**0.000477**	**J**	0.00200	0.000367	mg/L			12/07/21 18:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 18:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 18:11	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 18:11	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 18:11	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Client Sample ID: MW-7A
Lab Sample ID: 890-1664-3
Date Collected: 12/01/21 11:00
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130		12/07/21 18:11	1
1,4-Difluorobenzene (Surr)	89		70 - 130		12/07/21 18:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-8A
Lab Sample ID: 890-1664-4
Date Collected: 12/01/21 12:00
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/04/21 23:41	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/04/21 23:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/04/21 23:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/04/21 23:41	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/04/21 23:41	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/04/21 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	0.007	S1-	70 - 130		12/04/21 23:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130		12/04/21 23:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-17
Lab Sample ID: 890-1664-5
Date Collected: 12/01/21 09:15
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/05/21 00:07	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/05/21 00:07	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/05/21 00:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/05/21 00:07	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/05/21 00:07	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/05/21 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130		12/05/21 00:07	1
1,4-Difluorobenzene (Surr)	116		70 - 130		12/05/21 00:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Client Sample ID: MW-18
Lab Sample ID: 890-1664-6
Date Collected: 12/01/21 09:45
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/05/21 00:33	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/05/21 00:33	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/05/21 00:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/05/21 00:33	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/05/21 00:33	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/05/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*12/05/21 00:33*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*		*12/05/21 00:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-12
Lab Sample ID: 890-1664-7
Date Collected: 12/01/21 10:20
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200	0.00408	mg/L			12/05/21 00:59	10
Toluene	<0.0200	U	0.0200	0.00367	mg/L			12/05/21 00:59	10
Ethylbenzene	<0.0200	U	0.0200	0.00657	mg/L			12/05/21 00:59	10
m-Xylene & p-Xylene	<0.0400	U	0.0400	0.00629	mg/L			12/05/21 00:59	10
o-Xylene	<0.0200	U	0.0200	0.00642	mg/L			12/05/21 00:59	10
Xylenes, Total	<0.0400	U	0.0400	0.00642	mg/L			12/05/21 00:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*12/05/21 00:59*	*10*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*		*12/05/21 00:59*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0400	U	0.0400	0.00657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-16
Lab Sample ID: 890-1664-8
Date Collected: 12/01/21 10:50
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/05/21 01:25	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/05/21 01:25	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/05/21 01:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/05/21 01:25	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/05/21 01:25	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/05/21 01:25	1

Client Sample Results

Client: Talon/LPE
Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Client Sample ID: MW-16
Lab Sample ID: 890-1664-8
Date Collected: 12/01/21 10:50
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130		12/05/21 01:25	1
1,4-Difluorobenzene (Surr)	87		70 - 130		12/05/21 01:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-1A
Lab Sample ID: 890-1664-9
Date Collected: 12/01/21 11:10
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 18:37	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 18:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 18:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 18:37	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 18:37	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130		12/07/21 18:37	1
1,4-Difluorobenzene (Surr)	114		70 - 130		12/07/21 18:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Client Sample ID: MW-19
Lab Sample ID: 890-1664-10
Date Collected: 12/01/21 12:05
Matrix: Water
Date Received: 12/01/21 14:06
Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 19:03	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 19:03	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 19:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 19:03	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 19:03	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130		12/07/21 19:03	1
1,4-Difluorobenzene (Surr)	119		70 - 130		12/07/21 19:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.000657	mg/L			12/08/21 12:45	1

Surrogate Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-1664-1	MW-15	105	103										
890-1664-2	MW-14	96	99										
890-1664-3	MW-7A	106	89										
890-1664-4	MW-8A	0.007 S1-	103										
890-1664-5	MW-17	114	116										
890-1664-6	MW-18	103	105										
890-1664-7	MW-12	96	99										
890-1664-8	MW-16	61 S1-	87										
890-1664-9	MW-1A	109	114										
890-1664-10	MW-19	124	119										
LCS 880-13920/3	Lab Control Sample	93	95										
LCS 880-13998/65	Lab Control Sample	124	122										
LCSD 880-13920/4	Lab Control Sample Dup	102	105										
LCSD 880-13998/66	Lab Control Sample Dup	105	102										
MB 880-13920/8	Method Blank	55 S1-	91										
MB 880-13998/70	Method Blank	73	108										
MB 880-14063/5-A	Method Blank	65 S1-	102										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13920/8
Matrix: Water
Analysis Batch: 13920

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/04/21 15:20	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/04/21 15:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/04/21 15:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/04/21 15:20	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/04/21 15:20	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/04/21 15:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*55*	*S1-*	*70 - 130*		*12/04/21 15:20*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*		*12/04/21 15:20*	*1*

Lab Sample ID: LCS 880-13920/3
Matrix: Water
Analysis Batch: 13920

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08558		mg/L		86	70 - 130		
Toluene			0.100	0.07806		mg/L		78	70 - 130		
Ethylbenzene			0.100	0.08366		mg/L		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1821		mg/L		91	70 - 130		
o-Xylene			0.100	0.08762		mg/L		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-13920/4
Matrix: Water
Analysis Batch: 13920

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08954		mg/L		90	70 - 130	5	20
Toluene			0.100	0.08154		mg/L		82	70 - 130	4	20
Ethylbenzene			0.100	0.08819		mg/L		88	70 - 130	5	20
m-Xylene & p-Xylene			0.200	0.1928		mg/L		96	70 - 130	6	20
o-Xylene			0.100	0.09296		mg/L		93	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-13998/70
Matrix: Water
Analysis Batch: 13998

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L			12/07/21 17:19	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L			12/07/21 17:19	1

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

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

Lab Sample ID: MB 880-13998/70
Matrix: Water
Analysis Batch: 13998

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L			12/07/21 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L			12/07/21 17:19	1
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L			12/07/21 17:19	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L			12/07/21 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*		*12/07/21 17:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*		*12/07/21 17:19*	*1*

Lab Sample ID: LCS 880-13998/65
Matrix: Water
Analysis Batch: 13998

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1096		mg/L		110	70 - 130
Toluene	0.100	0.09890		mg/L		99	70 - 130
Ethylbenzene	0.100	0.1043		mg/L		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2252		mg/L		113	70 - 130
o-Xylene	0.100	0.1105		mg/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: LCSD 880-13998/66
Matrix: Water
Analysis Batch: 13998

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09960		mg/L		100	70 - 130	10	20
Toluene	0.100	0.09593		mg/L		96	70 - 130	3	20
Ethylbenzene	0.100	0.09819		mg/L		98	70 - 130	6	20
m-Xylene & p-Xylene	0.200	0.2116		mg/L		106	70 - 130	6	20
o-Xylene	0.100	0.1043		mg/L		104	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-14063/5-A
Matrix: Water
Analysis Batch: 13998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000408	mg/L		12/06/21 13:31	12/07/21 03:17	1
Toluene	<0.00200	U	0.00200	0.000367	mg/L		12/06/21 13:31	12/07/21 03:17	1
Ethylbenzene	<0.00200	U	0.00200	0.000657	mg/L		12/06/21 13:31	12/07/21 03:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.000629	mg/L		12/06/21 13:31	12/07/21 03:17	1

QC Sample Results

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

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

Lab Sample ID: MB 880-14063/5-A
Matrix: Water
Analysis Batch: 13998

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 14063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	0.000642	mg/L		12/06/21 13:31	12/07/21 03:17	1
Xylenes, Total	<0.00400	U	0.00400	0.000642	mg/L		12/06/21 13:31	12/07/21 03:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*12/06/21 13:31*	*12/07/21 03:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/06/21 13:31*	*12/07/21 03:17*	*1*

QC Association Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

GC VOA

Analysis Batch: 13920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1664-1	MW-15	Total/NA	Water	8021B	
890-1664-2	MW-14	Total/NA	Water	8021B	
890-1664-4	MW-8A	Total/NA	Water	8021B	
890-1664-5	MW-17	Total/NA	Water	8021B	
890-1664-6	MW-18	Total/NA	Water	8021B	
890-1664-7	MW-12	Total/NA	Water	8021B	
890-1664-8	MW-16	Total/NA	Water	8021B	
MB 880-13920/8	Method Blank	Total/NA	Water	8021B	
LCS 880-13920/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-13920/4	Lab Control Sample Dup	Total/NA	Water	8021B	

Analysis Batch: 13998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1664-3	MW-7A	Total/NA	Water	8021B	
890-1664-9	MW-1A	Total/NA	Water	8021B	
890-1664-10	MW-19	Total/NA	Water	8021B	
MB 880-13998/70	Method Blank	Total/NA	Water	8021B	
MB 880-14063/5-A	Method Blank	Total/NA	Water	8021B	14063
LCS 880-13998/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-13998/66	Lab Control Sample Dup	Total/NA	Water	8021B	

Prep Batch: 14063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14063/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 14295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1664-1	MW-15	Total/NA	Water	Total BTEX	
890-1664-2	MW-14	Total/NA	Water	Total BTEX	
890-1664-3	MW-7A	Total/NA	Water	Total BTEX	
890-1664-4	MW-8A	Total/NA	Water	Total BTEX	
890-1664-5	MW-17	Total/NA	Water	Total BTEX	
890-1664-6	MW-18	Total/NA	Water	Total BTEX	
890-1664-7	MW-12	Total/NA	Water	Total BTEX	
890-1664-8	MW-16	Total/NA	Water	Total BTEX	
890-1664-9	MW-1A	Total/NA	Water	Total BTEX	
890-1664-10	MW-19	Total/NA	Water	Total BTEX	

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Client Sample ID: MW-15
Date Collected: 12/01/21 09:00
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/04/21 22:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-14
Date Collected: 12/01/21 10:00
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/04/21 23:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-7A
Date Collected: 12/01/21 11:00
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 18:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-8A
Date Collected: 12/01/21 12:00
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/04/21 23:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-17
Date Collected: 12/01/21 09:15
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 00:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-18
Date Collected: 12/01/21 09:45
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 00:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Lab Chronicle

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Client Sample ID: MW-12
Date Collected: 12/01/21 10:20
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		10	5 mL	5 mL	13920	12/05/21 00:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-16
Date Collected: 12/01/21 10:50
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 01:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-1A
Date Collected: 12/01/21 11:10
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 18:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Client Sample ID: MW-19
Date Collected: 12/01/21 12:05
Date Received: 12/01/21 14:06

Lab Sample ID: 890-1664-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13998	12/07/21 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Talon/LPE
Job ID: 890-1664-1
Project/Site: Kimbrough Sweet 8"

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Water	Total BTEX

Method Summary

Client: Talon/LPE

Job ID: 890-1664-1

Project/Site: Kimbrough Sweet 8"

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
5030B	Purge and Trap	SW846	XEN MID

Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE
Project/Site: Kimbrough Sweet 8"

Job ID: 890-1664-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1664-1	MW-15	Water	12/01/21 09:00	12/01/21 14:06	N/A
890-1664-2	MW-14	Water	12/01/21 10:00	12/01/21 14:06	N/A
890-1664-3	MW-7A	Water	12/01/21 11:00	12/01/21 14:06	N/A
890-1664-4	MW-8A	Water	12/01/21 12:00	12/01/21 14:06	N/A
890-1664-5	MW-17	Water	12/01/21 09:15	12/01/21 14:06	N/A
890-1664-6	MW-18	Water	12/01/21 09:45	12/01/21 14:06	N/A
890-1664-7	MW-12	Water	12/01/21 10:20	12/01/21 14:06	N/A
890-1664-8	MW-16	Water	12/01/21 10:50	12/01/21 14:06	N/A
890-1664-9	MW-1A	Water	12/01/21 11:10	12/01/21 14:06	N/A
890-1664-10	MW-19	Water	12/01/21 12:05	12/01/21 14:06	N/A

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	David Adkins	Bill to: (if different)	Plains All American
Company Name:	Talon LPE	Company Name:	Pipeline
Address:	408 Texas	Address:	Attn: Camille Bryant
City, State ZIP:	Artesia, NM 88210	City, State ZIP:	SRS# 2000-10757
Phone:	575-441-4835	Email:	dadkins@talonlpe.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Kimbrough Sweet 8"	Turn Around	
Project Number:		☒ Routine ☐ Rush	
Project Location:	Lea County	Due Date:	
Sampler's Name:	Roy Bell/Art Parra	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	SRS#2000-10757		

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TWM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.2	
Total Containers:		Corrected Temperature:	1.0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B
MW-15	GW	12/1/21	9:00	N/A	GW	3		X
MW-14			10:00					
MW-7A			11:00					
MW-8A			12:00					
MW-17			9:15					
MW-18			9:45					
MW-12			10:20					
MW-16			10:50					
MW-1A			11:10					
MW-19			12:05					

890-1664 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Email Analyticals to:
CJBryant@paalp.com
ALGroves@paalp.com
MaOchoa@paalp.com

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		12-1-21 1406	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1664-1

Login Number: 1664 **List Source: Eurofins Xenco, Carlsbad**
List Number: 1
Creator: Clifton, Cloe

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

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-1664-1

Login Number: 1664 **List Source: Eurofins Xenco, Midland**
List Number: 2 **List Creation: 12/02/21 11:44 AM**
Creator: Lowe, Katie

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 92062

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 92062
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor recommendations approved by NMOCD and are as follows; 1. Continue monthly MDPE events 2. Perform quarterly groundwater monitoring events in accordance with NMOCD directives 3. Submit annual report to NMOCD no later than March 31,2023.	8/2/2022