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By Mike Buchanan at 4:23 pm, Aug 14, 2023







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2022 ANNUAL GROUNDWATER MONITORING REPORT

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

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

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MARCH 31, 2023

Review of the 2022 Annual Groundwater Monitoring Report for Kimbrough Sweet 8": Content Satisfactory

- 1. Continue PSH on a monthly basis by MDPE events.
- 2. Continue to conduct quarterly groundwater monitoring events.
- 3. Submit the 2023 Annual Groundwater Monitoring Report to NMOCD by or before April 1, 2024.



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PLAINS PIPELINE, L.P. 333 CLAY STREET, SUITE 1600 HOUSTON, TEXAS 77002

TALON/LPE PROJECT NO. 700376.050.11

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Released to Imaging: 8/14/2023 4:29:24 PM

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

TABLE OF CONTENTS

| 1.0 | INTRODUCTION AND OBJECTIVES | 1 |
|-----|---|--------|
| | 1.1 Objectives and Site Background | 1 |
| | 1.3 Previous Environmental Investigations 1.4 Regulatory Framework | |
| 2.0 | SITE ACTIVITIES | 4 |
| | 2.1 Groundwater Monitoring Activities2.2 Groundwater Gauging, Purging, and Sample Collection Procedures2.3 Phase Separated Hydrocarbon Recovery | 5 |
| 3.0 | GROUNDWATER ASSESSMENT AND MONITORING RESULTS | 8 |
| | 3.1 Physical Characteristics of the First Water-Bearing Zone | 8 9 |
| 4.0 | CONCLUSIONS AND RECOMMENDATIONS | 12 |
| | 4.1 Summary of Findings | |

APPENDICES

Appendix A Figures

- Figure 1 Site Map
- Figure 2a Groundwater Gradient Map 03/04/2022
- Figure 2b Groundwater Gradient Map 06/07/2022
- Figure 2c Groundwater Gradient Map 09/14/2022
- Figure 2d Groundwater Gradient Map 12/06/2022
- Figure 3a PSH Thickness & Groundwater Concentration Map 03/04-07/2022
- Figure 3b PSH Thickness & Groundwater Concentration Map 06/07/2022
- Figure 3c PSH Thickness & Groundwater Concentration Map 09/14-16/2022
- Figure 3d PSH Thickness & Groundwater Concentration Map 12/06/2022

Appendix B Tables

- Table 1 Gauging and NAPL Thickness Historical
- Table 2 Groundwater Analytical Data Historical
- Table 3 Groundwater Analytical Data Historical PAH Supplement

Appendix C Laboratory Analytical Data Reports and Chain of Custody Documentation

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 (EOTT). 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 was 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 southwestern 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 at the site (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, and MW-11) and two (2) solar powered electric pumps in monitor wells (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.

MDPE events were conducted on a monthly basis at the site during 2022 and recovered approximately 17.02 bbls of PSH.

Historically, approximately 629.04 bbls of PSH, which consisted of 282.68 bbls of vapor phase and 346.36 bbls of liquid phase PSH, have been recovered from the site.

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 | | | | | | | |

mg/L: milligrams per Liter

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 2022. 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 chain 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 2022. 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 2022. These events occurred in March, June, September, and December. 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 2022 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, one (1) monitor well (MW-13) did not have enough water to sample, and three (3) monitor wells (MW-3, MW-5, MW-9) were dry. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

During the June 2022 groundwater monitoring event all monitor wells were gauged. Seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 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, one (1) monitor well (MW-9) did not have enough water to sample, and two (2) monitor wells (MW-3 and MW-5) were dry. Four (4) monitor wells (MW-12 through MW-15 were not scheduled to be sampled. Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

During the September 2022 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, 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.

During the December 2022 groundwater monitoring event all monitor wells were gauged. Seven (7) monitor wells (MW-1A, MW-7A, MW-8A, MW-16, 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, one (1) monitor well (MW-9) did

not have enough water to sample, and two (2) monitor wells (MW-3 and MW-5) were dry. Four (4) monitor wells (MW-12 through MW-15) were not scheduled to be sampled. 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/or 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 – Gauging and NAPL Thickness - Historical

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 to an NMOCD approved facility, 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. The groundwater samples collected from MW-7A, MW-8A, and MW-19 during the March 2022 event were analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270C.

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-11A. 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-11A) and two (2) 12V total fluids pumps in monitor wells (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 tank and a 2,500-gallon tank, 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 containment 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 on a monthly basis. 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 2022 the quarterly PSH and groundwater recovery totals are as follows:

- 1st Quarter 2.09 bbls PSH and 157.40 bbls of groundwater
- 2nd Quarter 3.49 bbls PSH and 126.38 bbls of groundwater
- 3rd Quarter 5.42 bbls PSH and 106.17 bbls of groundwater
- 4th Quarter 6.02 bbls PSH and 63.95 bbls groundwater

Twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2022. The individual MDPE event recovery totals are as follows:

- January 5, 2022 0.33 bbls vapor, 0.36 bbls liquid
- February 24, 2022 0.21 bbls vapor, 0.38 bbls liquid
- March 10, 2022 0.45 bbls vapor, 0.36 bbls liquid
- April 7, 2022 0.43 bbls vapor, 0.38 bbls liquid
- May 5, 2022 0.10 bbls vapor, 0.48 bbls liquid
- June 5, 2022 1.91 bbls vapor, 0.19 bbls liquid
- July 20, 2022 2.22 bbls vapor, 0.38 bbls liquid
- August 4, 2022 0.78 bbls vapor, 0.29 bbls liquid
- September 20, 2022 1.37 bbls vapor, 0.38 bbls liquid
- October 18, 2022 1.88 bbls vapor, 0.31 bbls liquid
- November 26, 2022 0.77 bbls vapor, 0.76 bbls liquid
- December 19, 2022 1.85 bbls vapor, 0.45 bbls liquid

In 2022, an estimated total of 17.02 bbls of PSH were recovered during the MDPE events.

Historically, approximately 629.04 bbls of PSH, which consists of 282.68 bbls of vapor phase and 346.36 bbls of liquid phase PSH, have been recovered from the site.

3.0 GROUNDWATER ASSESSMENT AND MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Groundwater Analytical Data - Historical 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, which includes 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-HCO₃, 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 2022. The results of the fluid level measurements are summarized in Table 1, Appendix B - Gauging and NAPL Thickness - Historical.

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 2022 indicate that the groundwater flow direction is generally to the east/northeast with an average gradient of 0.0027 feet per foot (ft/ft), or approximately 14.25 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.79 feet for the year 2022 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 2022.

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 2022, PSH was observed in monitor wells MW-2A, MW-6 and MW-11A. PSH thickness was 0.01 in all three (3) wells.
- In June of 2022, PSH was observed in monitor wells MW-2A, MW-6, and MW-11A. PSH thickness ranged from 0.01 feet to 0.20 feet.
- In September 2022, PSH was observed in monitor wells MW-2A, MW-6 and MW-11A. PSH thickness ranged from 0.19 feet to 0.35 feet.
- In December of 2022, PSH was observed in monitor wells MW-2A, MW-6, and MW-11A. PSH thickness ranged from 0.01 feet to 0.11 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 629.04 bbls of PSH, which consists of 282.68 bbls of vapor phase and 346.36 bbls of liquid phase PSH, have been recovered from the site to date.

3.4 Groundwater Sampling Results

During the first quarter, March 2022, the following monitor 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 method detection limit (MDL) in all monitor 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 monitor wells. 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. 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-8A, which exhibited a concentration of 0.00108 mg/L.
 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-7A, MW-8A, and MW-19. The associated concentrations for all compounds were below the applicable NMWQCC groundwater standards.

During the June 2022 sampling event, the following wells were sampled: MW-1A, MW-7A, MW-8A, and MW-16 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.
 Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the laboratory MDL in all wells. 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 exhibited a concentration of 0.00114 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any of the monitor wells sampled this quarter.

During the September 2022 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 except MW-8A, which exhibited a concentration of 0.000427 mg/L. 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 sampled except MW-8A, which exhibited concentration of 0.000409 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 below the laboratory MDL in all wells sampled except for MW-8A which exhibited a concentration of 0.00193 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 sampled except for MW-8A, which exhibited a concentration of 0.00344 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in in any of the monitor wells sampled this quarter.

During the December 2022 sampling event, the following wells were sampled: MW-1A, MW-7A, MW-8A, and MW-16 through MW-19. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations were less than laboratory MDL in all wells except for MW-8A which exhibited a concentration of 0.000657 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any of the monitor wells samples this quarter.
- Toluene concentrations were less than laboratory MDL in all wells except for MW-8A, which exhibited a concentration of 0.000378 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 except for MW-8A, which exhibited a concentration of 0.00280 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this guarter.
- Xylene concentrations were less than laboratory MDL in all wells except for MW-8A, which exhibited a concentration of 0.00683 mg/L. 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 – Groundwater Analytical Data - Historical in Appendix B. The PAH laboratory analytical results are summarized in Table 3 – Groundwater Analytical Data – Historical – PAH Supplement in Appendix B. Laboratory analytical data reports and chain 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 generally to the east/northeast with an average gradient of 0.0027 ft/ft based on the water level measurement data collected in 2022.
- Groundwater levels at the subject site have decreased an average of 0.79 feet for the year 2022.
- PSH has impacted monitor wells MW-2A, MW-6, and MW-11A in 2022. PSH levels and extent have fluctuated in 2022 between 0.01 feet in all wells to 0.24 feet in MW-6
- Dissolved-phase concentrations were stable during 2022.

4.2 Recommendations

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

- Continue PSH recovery via monthly MDPE events.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.



APPENDIX A

Figures

| Figure | 1 | - Site | Ma | р |
|---------------|---|--------|----|---|
|---------------|---|--------|----|---|

Figure 2a - Groundwater Gradient Map - 03/04/2022

Figure 2b - Groundwater Gradient Map - 06/07/2022

Figure 2c - Groundwater Gradient Map - 09/14/2022

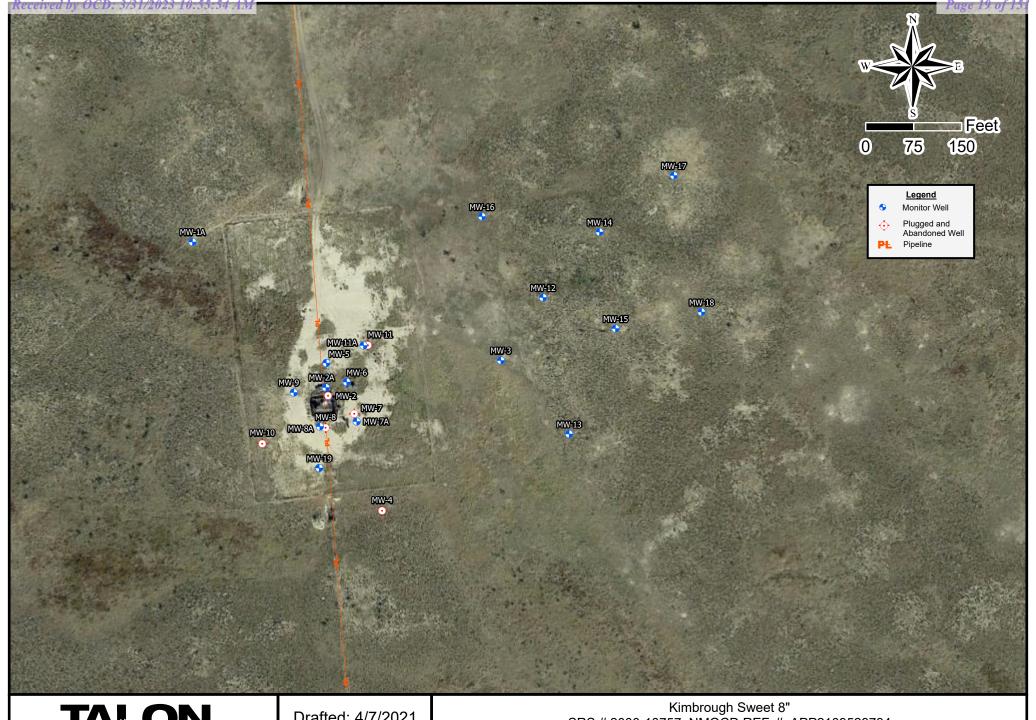
Figure 2d - Groundwater Gradient Map - 12/06/2022

Figure 3a - PSH Thickness & Groundwater Concentration Map - 03/04-07/2022

Figure 3b - PSH Thickness & Groundwater Concentration Map - 06/07/2022

Figure 3c - PSH Thickness & Groundwater Concentration Map - 09/14-16/2022

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/06/2022

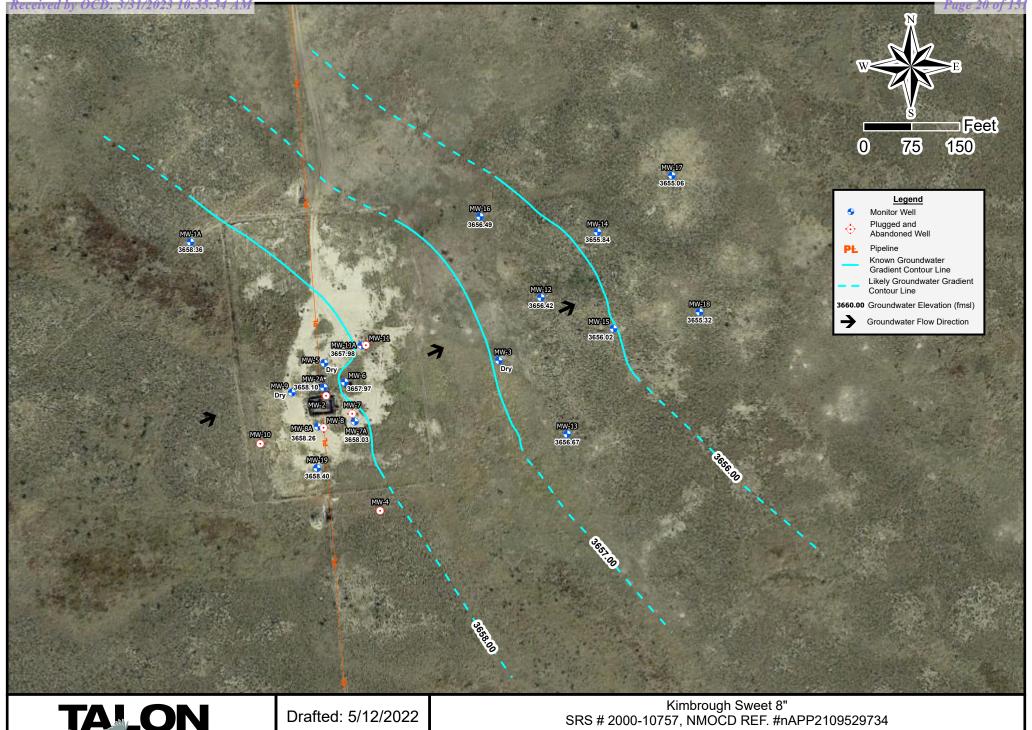




Drafted: 4/7/2021 1 in = 150 ft

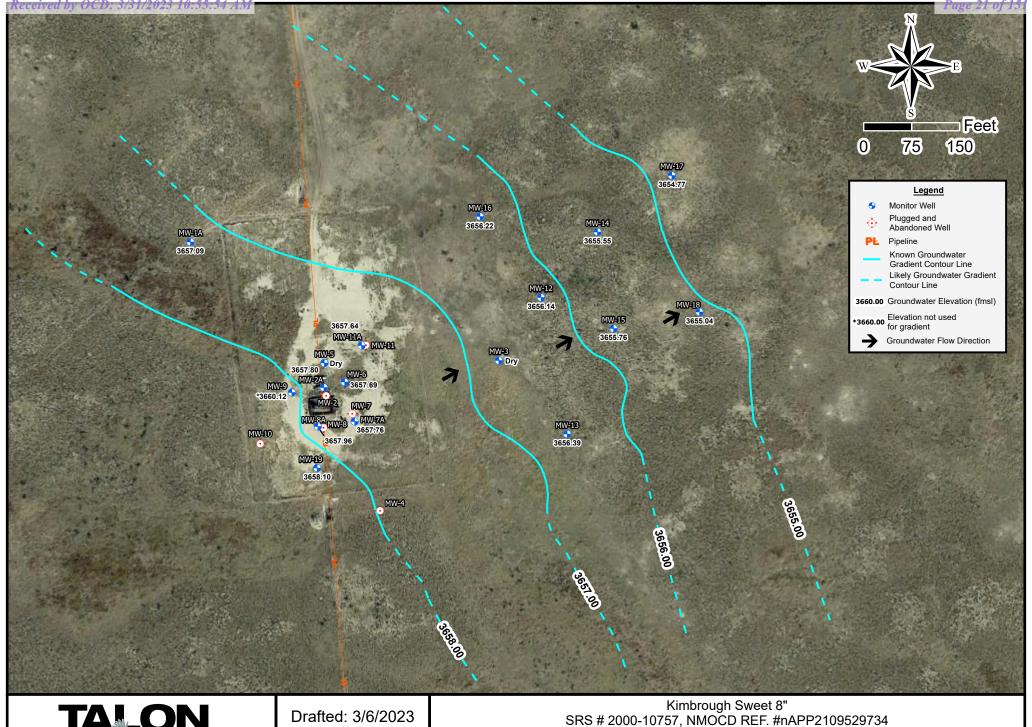
Drafted By: NRC

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 Released to Imaging: 8/14/2023 1.29.24 PM

1 in = 150 ftDrafted By: JAI 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 (03/04/2022)

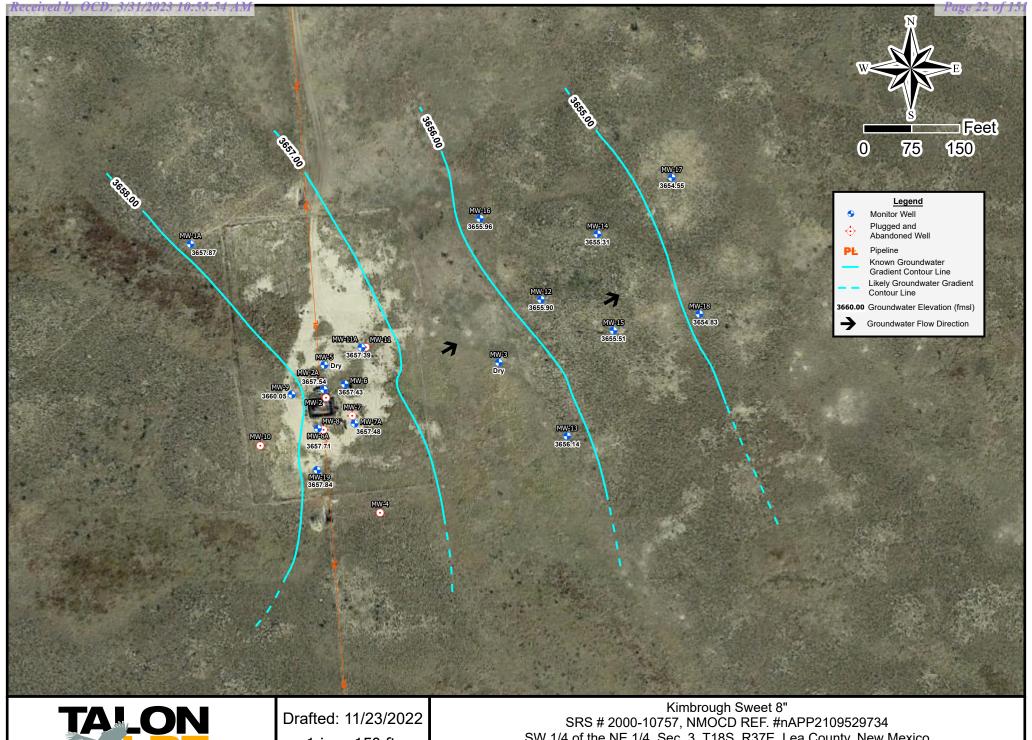


TALON LPE Released to Imaging: 8/14/2023 4:29:24 PM

Drafted: 3/6/20231 in = 150 ft

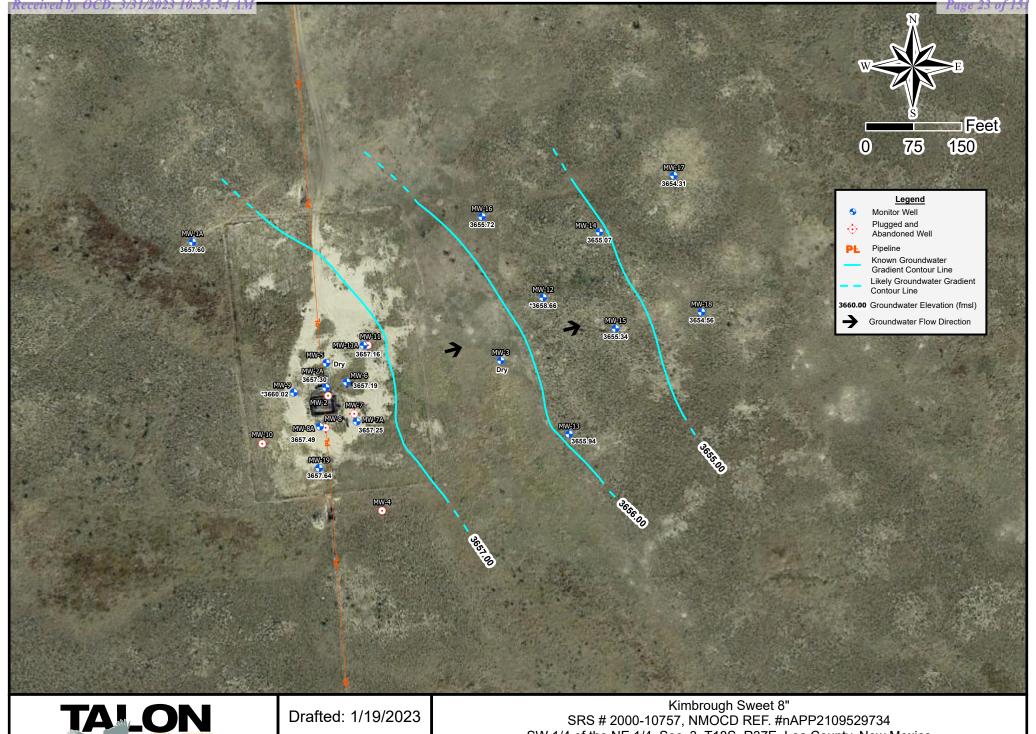
Drafted By: IJR

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 (06/07/2022)



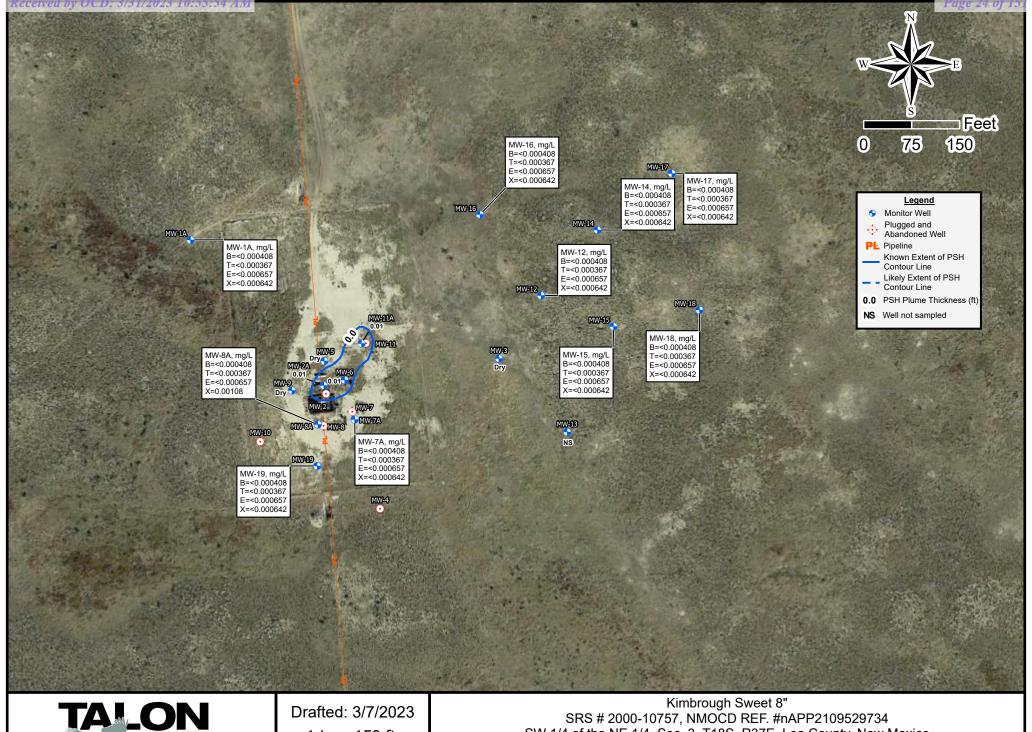
Released to Imaging: 8/14/2023 4.29.24 PM

1 in = 150 ftDrafted By: IJR 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 (09/14/2022)



Released to Imaging: 8/14/2023 4:29:24 PM

1 in = 150 ftDrafted By: IJR 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 (12/06/2022)



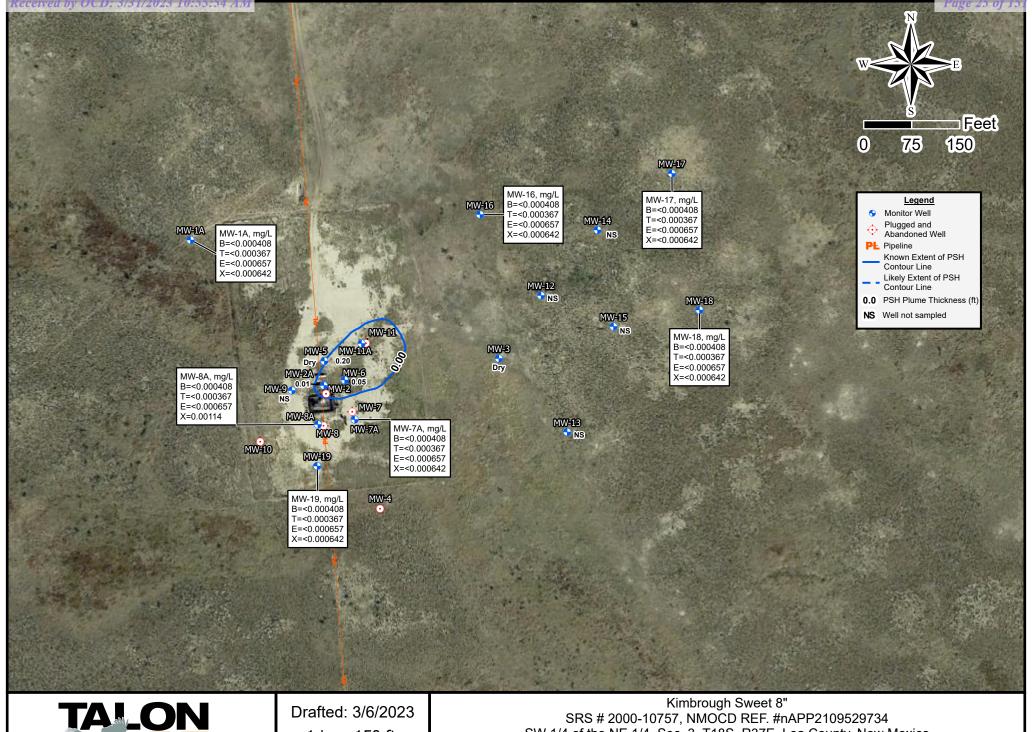
Released to Imaging: 8/14/2023 4.29.24 PM

1 in = 150 ft

Drafted By: JAI

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 (03/04-07/2022)



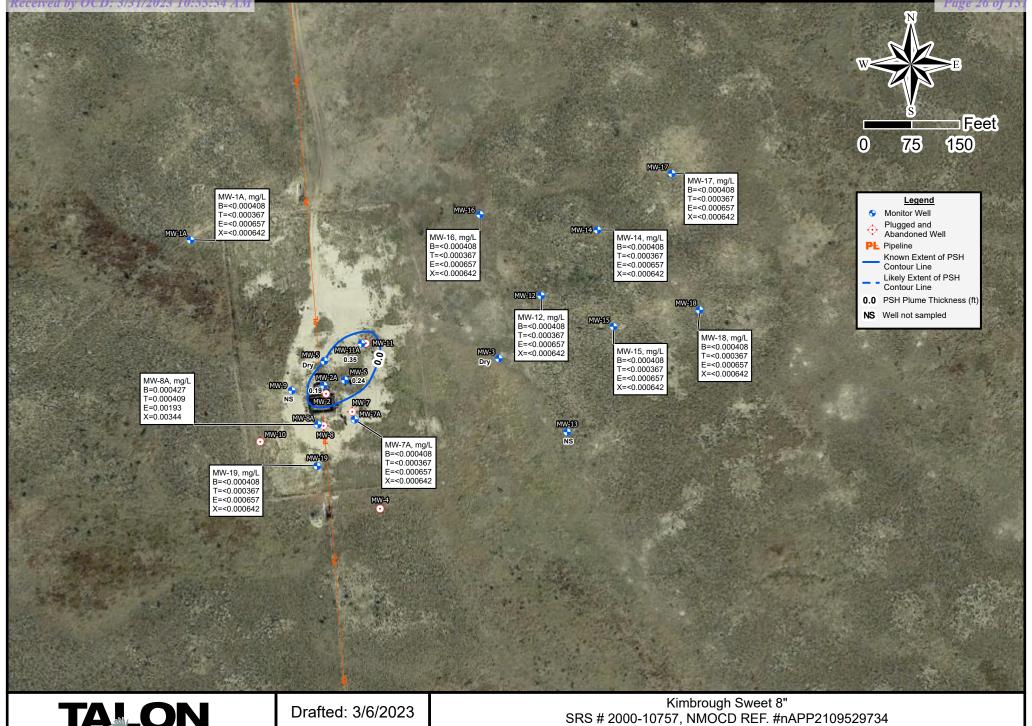
Released to Imaging: 8/14/2023 4.29.24 PM

1 in = 150 ft

Drafted By: JAI

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 (06/07/2022)





1 in = 150 ft

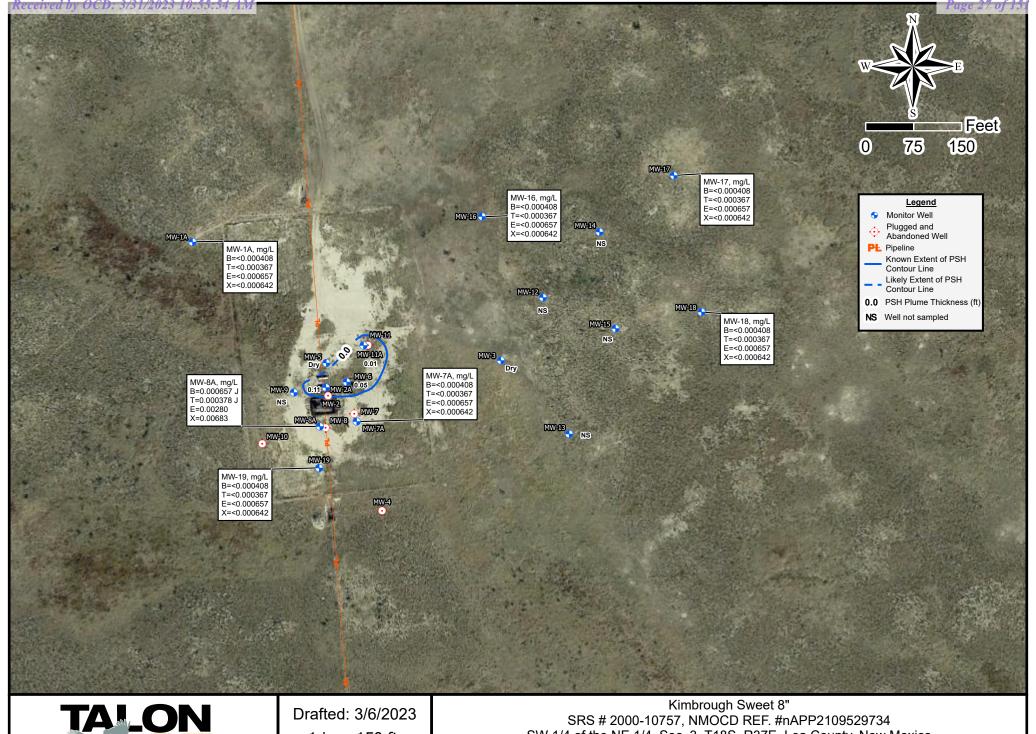
Drafted By: JAI

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 (09/14-16/2022)



Released to Imaging: 8/14/2023 4.29.24 PM

1 in = 150 ft

Drafted By: JAI

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 (12/06/2022)



APPENDIX B

Tables

- Table 1 Gauging and NAPL Thickness Historical
- Table 2 Groundwater Analytical Data Historical
- Table 3 Groundwater Analytical Data Historical PAH Supplement

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

| 0 1 1D | Casing | Top of | Bottom of | Sample | Depth to | Depth to | Product | Groundwate |
|-----------|-------------------|--------------|--------------|--------------------------|----------------|----------------|--------------|--------------------|
| Sample ID | Elevation | Screen | Screen | Date | Water | Product | Thickness | Elevation |
| MW-1A | (fmsl) 3723.46 | (ft) 55.7 | (ft) 85.7 | (ft) 03/10/2016 | (ft) 60.52 | (ft) - | (ft) - | (fmsl) 3662.94 |
| 2" | 3723.40 | 33.7 | 00.7 | 05/27/2016 | 61.66 | - | - | 3661.80 |
| | | | | 09/09/2016 | 60.89 | - | - | 3662.57 |
| | | | | 12/06/2016 | 61.05 | - | - | 3662.41 |
| | | | | 03/06/2017 06/08/2017 | 61.23 61.41 | - | - | 3662.23 3662.05 |
| | | | | 09/12/2017 | 61.56 | - | - | 3661.90 |
| | | | | 12/13/2017 | DS | - | - | - |
| | | | | 03/22/2018 | DS | - | - | - |
| | | | | 09/12/2018 12/10/2018 | 62.15 62.38 | - | - | 3661.31 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 03/09/2020 | 63.17 63.35 | - | - | 3660.29 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 64.41 | - | - | 3659.31 |
| | | | | 06/15/2021 09/16/2021 | 64.68 | - | - | 3659.05 3658.78 |
| | | | | 11/30/2021 | 68.45 | - | - | 3655.01 |
| | | | | 03/04/2022 | 65.10 | - | - | 3658.36 |
| | | | | 06/07/2022 | 66.37 | - | - | 3657.09 |
| | | | | 09/14/2022 12/06/2022 | 65.59 65.86 | - | - | 3657.87 3657.60 |
| MW-2 | 3723.32 | 41 | 61 | 03/10/2016 | DR | - | - | - |
| 4" | 0.20.02 | | 0. | 05/27/2016 | 59.94 | - | - | 3663.38 |
| | | | | 09/09/2016 | 61.42 | 60.19 | 1.23 | 3662.93 |
| | | | | 12/01/2016 | DR | - 00.57 | - 0.40 | - 2000 07 |
| | | | | 03/06/2017 06/08/2017 | 61.05 DR | 60.57 | 0.48 | 3662.67 |
| | | | | 09/12/2017 | DR | - | - | - |
| | | | | 12/13/2017 | DR | - | - | - |
| | | | | 03/22/2018 | DR | - | - | - |
| | | | | 06/12/2018 | DR | - | - | - |
| MW-2A | 3722.25 | 60 | 60 80 | 08/29/2018 09/12/2018 | PA 61.32 | - | - | 3660.93 |
| 4" | 3122.23 | 00 | 00 | 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 03/09/2020 | 62.30 62.77 | 62.25 62.37 | 0.05 0.40 | 3659.99 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 | - 00.40 | - 0.04 | 3658.96 |
| | | | | 06/15/2021 09/16/2021 | 63.50 63.78 | 63.49 | 0.01 | 3658.76 3658.47 |
| | | | | 12/01/2021 | 64.06 | 63.92 | 0.14 | 3658.31 |
| | | | | 03/04/2022 | 64.16 | 64.15 | 0.01 | 3658.10 |
| | | | | 06/07/2022 | 64.46 | 64.45 | 0.01 | 3657.80 |
| | | | | 09/14/2022 | 64.87 | 64.68 | 0.19 0.11 | 3657.54 |
| MW-3 | 3721.52 | 43.4 | 63.4 | 12/06/2022 03/10/2016 | 65.04 60.06 | 64.93 | - 0.11 | 3657.30 3661.46 |
| 2" | 0.21.02 | .5.4 | 55.4 | 05/27/2016 | 60.21 | - | - | 3661.31 |
| | | | | 09/09/2016 | 60.42 | - | - | 3661.10 |
| | | | | 12/06/2016 | 60.59 | - | - | 3660.93 |
| | | | | 03/06/2017 06/08/2017 | 60.79 60.96 | - | - | 3660.73 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 12/10/2018 | 61.71 61.96 | - | - | 3659.81 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 63.05 | - | - | 3658.68 3658.47 |
| | | | | 09/21/2020 | 63.05 | - | - | 3658.47 |
| | | | | 11/30/2020 | DR | - | - | - |
| | | | | 03/22/2021 | 63.11 | - | - | 3658.41 |
| | | | | 06/15/2021 | DR | - | - | - |
| | | | | 09/16/2021 | DR | - | - | - |
| | | | | 11/30/2021 03/04/2022 | DR Dry | - | - | - |
| | | | | 06/07/2022 | Dry | - | - | - |
| | | | | 09/14/2022 | Dry | - | - | - |
| | | i | Ì | 12/06/2022 | Dry | - | - | - |

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

| Sample ID | Casing Elevation | Top of Screen | Bottom of Screen | Sample Date | Depth to Water | Depth to Product | Product Thickness | Groundwater Elevation |
|-----------|---------------------|------------------|---------------------|--------------------------|-------------------|---------------------|----------------------|--------------------------|
| | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-4 | 3721.94 | 39.7 | 59.7 | 03/10/2016 | DR | - | - | - |
| 2" | | | | 05/27/2016 | DR | - | - | - |
| | | | | 09/09/2016 | DR DR | - | - | - |
| | | | | 12/06/2016 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 | 3724.08 | 45 | 65 | 03/10/2016 | 63.87 | 60.65 | 3.22 | 3662.90 |
| 4" | | | | 05/27/2016 | 63.78 63.15 | 60.80 61.45 | 2.98 1.70 | 3662.79 3662.35 |
| | | | | 09/09/2016 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 06/11/2019 | 63.03 63.16 | 63.00 | 0.03 | 3661.08 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 | - | - | - |
| | | | | 12/01/2021 03/04/2022 | DR Dry | - | - | - |
| | | | | 06/07/2022 | Dry | | | |
| | | | | 09/14/2022 | Dry | - | - | - |
| | | | | 12/06/2022 | Dry | - | - | - |
| MW-6 | 3722.16 | 44 | 64 | 03/10/2016 | 63.65 | 58.85 | 4.80 | 3662.52 |
| 4" | | | | 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 12/13/2017 | 61.48 61.58 | 60.60 60.78 | 0.88 | 3661.41 3661.25 |
| | | | 1 | 03/22/2018 | 61.43 | 61.04 | 0.39 | 3661.06 |
| | | | 1 | 06/12/2018 | 61.45 | 61.30 | 0.15 | 3660.84 |
| | | | | 09/12/2018 | 61.38 | 61.32 | 0.06 | 3660.83 |
| | | | 1 | 12/10/2018 | 61.53 | 61.52 | 0.01 | 3660.64 |
| | | | 1 | 03/14/2019 | 61.77 | 61.75 | 0.02 | 3660.41 |
| | | | | 06/11/2019 | 61.94 | 61.92 | 0.02 | 3660.24 |
| | | | 1 | 09/23/2019 | 62.20 | 62.08 | 0.12 | 3660.06 |
| | | | | 12/09/2019 | 62.79 | 62.20 | 0.59 | 3659.86 |
| | | | 1 | 03/09/2020 | 62.60 | 62.43 62.67 | 0.17 | 3659.70 |
| | | | | 06/12/2020 09/21/2020 | 62.73 62.88 | 62.86 | 0.06 0.02 | 3659.48 3659.30 |
| | | | 1 | 11/30/2020 | 63.06 | - | - | 3659.10 |
| | | | 1 | 03/23/2021 | 63.34 | 63.31 | 0.03 | 3658.85 |
| | | | | 06/15/2021 | 65.52 | 65.51 | 0.01 | 3656.65 |
| | | | 1 | 09/16/2021 | 63.83 | 63.78 | 0.05 | 3658.37 |
| | | | 1 | 12/01/2021 | 64.00 | 63.98 | 0.02 | 3658.18 |
| | | | 1 | 03/04/2022 | 64.20 | 64.19 | 0.01 | 3657.97 |
| | | | | 06/07/2022 | 64.51 | 64.46 | 0.05 | 3657.69 |
| | | | 1 | 09/14/2022 | 64.93 | 64.69 | 0.24 | 3657.43 |
| | | | l | 12/06/2022 | 65.01 | 64.96 | 0.05 | 3657.19 |

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

| Sample ID | Casing Elevation | Top of Screen | Bottom of Screen | Sample Date | Depth to Water | Depth to Product | Product Thickness | Groundwater Elevation |
|-----------|---------------------|------------------|---------------------|--------------------------|-------------------|---------------------|----------------------|--------------------------|
| | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-7 | 3723.23 | 44 | 64 | 03/10/2016 | 61.50 | 60.53 | 0.97 | 3662.54 |
| 4" | 0.20.20 | | | 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 | 3722.42 | 60 | 80 | 09/12/2018 | 61.56 | - | - | 3660.86 |
| 2" | | | | 12/10/2018 | 61.72 61.98 | - | - | 3660.70 |
| | | | | 03/14/2019 | 62.15 | - | - | 3660.44 3660.27 |
| | | | | 06/11/2019 09/23/2019 | 62.13 | - : | - | 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 |
| | | | | 12/01/2021 | 64.16 | - | - | 3658.26 |
| | | | | 03/04/2022 | 64.39 | - | - | 3658.03 |
| | | | | 06/07/2022 | 64.66 | - | - | 3657.76 |
| | | | | 09/14/2022 | 64.94 | - | - | 3657.48 |
| | | | | 12/06/2022 | 65.17 | - | - | 3657.25 |
| MW-8 | 3723.41 | 41 | 61 | 03/10/2016 | 63.20 | 60.11 | 3.09 | 3662.79 |
| 4" | | | | 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 DR | - | - | - |
| | | | | 06/08/2017 09/12/2017 | DR | - | - | - |
| | | | | 12/13/2017 | DR | - | - | - |
| | | | | 03/22/2018 | DR | | - | |
| | | | | 06/12/2018 | DR | - | - | - |
| | | | | 08/29/2018 | PA | - | - | - |
| MW-8A | 3723.41 | 60 | 80 | 09/12/2018 | 62.33 | - | - | 3661.08 |
| 2" | 0.20 | 00 | 00 | 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 |
| | | | 1 | 09/21/2020 | 63.83 | - | - | 3659.58 |
| | | | 1 | 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 |
| | | | 1 | 12/01/2021 | 64.92 | - | - | 3658.49 |
| | | | | 03/04/2022 | 65.15 | - | - | 3658.26 |
| | | | | 06/07/2022 | 65.45 | - | - | 3657.96 |
| | | | | 09/14/2022 | 65.70 | - | - | 3657.71 |
| | | | l | 12/06/2022 | 65.92 | - | - | 3657.49 |

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

| | | | | | | | 1 | |
|-----------|-----------|--------|-----------|--------------------------|----------------|----------------|--------------|--------------------|
| 0 1 10 | Casing | Top of | Bottom of | Sample | Depth to | Depth to | Product | Groundwater |
| Sample ID | Elevation | Screen | Screen | Date | Water | Product | Thickness | Elevation |
| | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-9 | 3723.25 | 43 | 63 | 03/10/2016 | 61.95 | 60.16 | 1.79 | 3662.79 |
| 4" | | | | 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 |
| | | | | 12/01/2021 | 63.31 | - | - | 3659.94 |
| | | | | 03/04/2022 | Dry | _ | - | - |
| | | | | 06/07/2022 | 63.13 | - | _ | 3660.12 |
| | | | | 09/14/2022 | 63.20 | - | - | 3660.05 |
| | | | | 12/06/2022 | 63.23 | _ | _ | 3660.02 |
| MW-10 | 3724.14 | 40.1 | 60.1 | 03/10/2016 | DR | _ | - | - |
| 2" | 3724.14 | 40.1 | 00.1 | 05/27/2016 | DR | _ | - | - |
| 2 | | | | 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 | - | - | - |
| | | | l | 06/12/2018 | DR | - | - | - |
| | | | l | 08/29/2018 | PA | | - | - |
| MW-11 | 3722.55 | 40.7 | 60.7 | 03/10/2016 | 60.65 | 59.60 | 1.05 | 3662.78 |
| 2" | 3/22.55 | 40.7 | 60.7 | 05/27/2016 | 60.63 | 59.58 | 1.05 | 3662.80 |
| | | | l | 09/09/2016 | 60.59 | 59.58 | 0.78 | 3662.61 |
| | | | l | 12/01/2016 | 60.64 | 59.81 | 0.78 | 3662.46 |
| | | | l | | | | | |
| | | | l | 03/06/2017 | 60.59 60.59 | 60.19 60.30 | 0.40 0.29 | 3662.29 3662.20 |
| | | | l | 06/08/2017 09/12/2017 | 60.60 | 60.48 | 0.29 | 3662.20 |
| | | | l | 12/13/2017 | DR | - 60.48 | - 0.12 | 3002.03 |
| | | | l | | DR DR | | | - |
| | | | l | 03/22/2018 | | - | - | |
| | | | l | 06/12/2018 | DR | - | - | - |
| | | | | 08/29/2018 | PA | - | _ | - |

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

| Sample ID | Casing Elevation | Top of Screen | Bottom of Screen | Sample Date | Depth to Water | Depth to Product | Product Thickness | Groundwate Elevation |
|-----------|---------------------|------------------|---------------------|--------------------------|-------------------|---------------------|----------------------|-------------------------|
| | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-11A | 3722.32 | 60 | 80 | 09/12/2018 | 61.71 | - | - | 3660.61 |
| 2" | | | | 12/10/2018 | 61.89 | - | - | 3660.43 |
| | | | | 03/14/2019 | 62.14 | | - 0.05 | 3660.18 |
| | | | | 06/11/2019 09/23/2019 | 64.51 66.00 | 61.86 61.78 | 2.65 4.22 | 3660.02 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 |
| | | | | 03/04/2022 | 64.58 | 64.57 | 0.01 | 3657.98 |
| | | | | 06/07/2022 | 65.08 | 64.88 | 0.20 | 3657.64 |
| | | | | 09/14/2022 | 65.45 | 65.10 | 0.35 | 3657.39 |
| MW-12 | 070444 | 40 | 73 | 12/06/2022 | 65.40 | 65.39 | 0.01 | 3657.16 |
| | 3724.11 | 43 | /3 | 03/10/2016 | 63.08 | - | - | 3661.03 |
| 2" | 1 | | | 05/27/2016 09/09/2016 | 63.25 63.42 | - | - | 3660.86 3660.69 |
| | 1 | | | 12/06/2016 | 63.62 | | | 3660.49 |
| | 1 | | | 03/06/2017 | 63.30 | | | 3660.81 |
| | | | | 06/08/2017 | 63.40 | _ | - | 3660.71 |
| | 1 | | | 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 03/22/2021 | 66.51 66.74 | - | - | 3657.60 3657.37 |
| | | | | 06/15/2021 | 66.99 | - | | 3657.12 |
| | | | | 09/16/2021 | 67.24 | - | - | 3656.87 |
| | | | | 11/30/2021 | 67.40 | - | - | 3656.71 |
| | | | | 03/04/2022 | 67.69 | - | - | 3656.42 |
| | | | | 06/07/2022 | 67.97 | - | - | 3656.14 |
| | | | | 09/14/2022 | 68.21 | - | - | 3655.90 |
| | | | | 12/06/2022 | 65.45 | - | - | 3658.66 |
| /W-13 | 3723.19 | 43 | 73 | 03/10/2016 | 61.96 | - | - | 3661.23 |
| 2" | | | | 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 |
| | 1 | | | 09/12/2017 | 63.01 | - | - | 3660.18 |
| | | | | 12/13/2017 | 63.19 | - | - | 3660.00 |
| | | | | 03/22/2018 | 63.36 63.60 | - | - | 3659.83 3659.59 |
| | | | | 09/12/2018 | 65.60 | - | | 3657.59 |
| | | | | 12/10/2018 | 63.57 | | - | 3659.62 |
| | | | | 03/14/2019 | 64.04 | _ | - | 3659.15 |
| | 1 | | | 06/11/2019 | 64.17 | - | - | 3659.02 |
| | 1 | | | 09/23/2019 | 64.37 | - | - | 3658.82 |
| | 1 | | | 12/09/2019 | 64.54 | - | - | 3658.65 |
| | 1 | | | 03/09/2020 | 64.74 | - | - | 3658.45 |
| | 1 | | | 06/12/2020 | 65.00 | - | - | 3658.19 |
| | 1 | | | 09/21/2020 | 65.16 | - | - | 3658.03 |
| | 1 | | | 11/30/2020 | 65.35 | - | - | 3657.84 |
| | 1 | | | 03/22/2021 | 65.59 | - | - | 3657.60 |
| | 1 | | | 06/15/2021 | 65.83 | | | 3657.36 |
| | 1 | | | 09/16/2021 | 66.08 | - | - | 3657.11 |
| | | | | 11/30/2021 | 66.25 | - | - | 3656.94 |
| | 1 | | | 03/04/2022 | 66.52 | - | - | 3656.67 |
| | 1 | | | 06/07/2022 | 66.80 | - | - | 3656.39 |
| | l | | I | 09/14/2022 | 67.05 67.25 | - | - | 3656.14 3655.94 |
| | | | | 12/06/2022 | | | | |

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

| | Casing | Top of | Bottom of | Sample | Depth to | Depth to | Product | Groundwater |
|-----------|-----------|--------|-----------|--------------------------|----------------|----------|--------------|--------------------|
| Sample ID | Elevation | Screen | Screen | Date | Water | Product | Thickness | Elevation |
| | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-14 | 3725.1 | 62.3 | 82.3 | 03/10/2016 | 64.64 | - | - | 3660.46 |
| 4" | | | | 05/27/2016 09/09/2016 | 64.78 65.00 | - | - | 3660.32 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 66.24 | - | - | 3659.05 3658.86 |
| | | | | 06/12/2018 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 03/09/2020 | 67.25 67.45 | - : | | 3657.85 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 11/30/2021 | 68.84 68.95 | - | - | 3656.26 |
| | | | | 03/04/2022 | 69.26 | | - | 3656.15 3655.84 |
| | | | | 06/07/2022 | 69.55 | - | - | 3655.55 |
| | | | | 09/14/2022 | 69.79 | - | - | 3655.31 |
| | | | | 12/06/2022 | 70.03 | - | - | 3655.07 |
| MW-15 | 3726.06 | 59.2 | 79.2 | 03/10/2016 | 65.40 | - | - | 3660.66 |
| 4" | | | | 05/27/2016 09/09/2016 | 65.56 65.75 | - | - | 3660.50 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 09/12/2018 | 67.03 67.04 | - | - | 3659.03 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 09/21/2020 | 68.40 68.84 | | - | 3657.66 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 03/04/2022 | 69.45 70.04 | - | - | 3656.61 |
| | | | | 06/07/2022 | 70.04 | - | - | 3656.02 3655.76 |
| | | | | 09/14/2022 | 70.55 | - | - | 3655.51 |
| | | | | 12/06/2022 | 70.72 | - | - | 3655.34 |
| MW-16 | 3722.32 | 52.7 | 82.7 | 03/10/2016 | 61.23 | - | - | 3661.09 |
| 2" | | | | 05/27/2016 | 61.39 | - | - | 3660.93 |
| | | | | 09/09/2016 | 61.60 | - | - | 3660.72 |
| | | | | 12/06/2016 03/06/2017 | 61.74 61.95 | - | - | 3660.58 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 12/10/2018 | 62.89 63.07 | - | - | 3659.43 3659.25 |
| | | | | 03/14/2019 | 63.32 | | - | 3659.25 |
| | | | | 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 |
| | | | | | 64.44 | - | - | 3657.88 3657.68 |
| | | | | 11/30/2020 | 64.64 | - | - | 3657.68 3657.45 |
| | | | | 03/22/2021 | 64.87 | - | - | |
| | | | | 06/15/2021 | 65.13 | - | - | 3657.19 |
| | | | | 09/16/2021 | 65.38 | | | 3656.94 |
| | | | | 11/30/2021 | 65.55 | - | - | 3656.77 |
| | | | | 03/04/2022 | 65.83 | - | - | 3656.49 |
| | | | | 06/07/2022 | 66.10 | - | - | 3656.22 |
| i | | | | 09/14/2022 | 66.36 | - | - | 3655.96 |
| | | | | 12/06/2022 | 66.60 | - | - | 3655.72 |

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

| Sample ID | Casing Elevation | Top of Screen | Bottom of Screen | Sample Date | Depth to Water | Depth to Product | Product Thickness | Groundwate Elevation |
|---|---|------------------|---------------------|--------------------------|-------------------|---------------------|----------------------|-------------------------|
| • | (fmsl) | (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (fmsl) |
| MW-17 | 3725.28 | 56.6 | 86.6 | 03/10/2016 | 65.55 | - | - | 3659.73 |
| 2" | | | | 05/27/2016 | 65.69 | - | - | 3659.59 |
| | | | | 09/09/2016 | 65.90 | - | - | 3659.38 |
| | | | | 12/06/2016 | 66.05 | - | - | 3659.23 |
| | | | | 03/06/2017 06/08/2017 | 65.35 66.44 | - | - | 3659.93 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 09/23/2019 | 67.75 67.93 | - | - | 3657.53 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 03/04/2022 | 69.90 | - | - | 3655.38 |
| | | | | 06/07/2022 | 70.22 70.51 | - | - | 3655.06 3654.77 |
| | | | | 09/14/2022 | 70.73 | | | 3654.55 |
| | | | | 12/06/2022 | 70.73 | | - | 3654.31 |
| /IW-18 | 3724.75 | 55.8 | 85.8 | 03/10/2016 | 64.80 | - | - | 3659.95 |
| 2" | | | | 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 03/22/2018 | 66.00 66.18 | | | 3658.75 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 09/21/2020 | 67.77 | - | - | 3656.98 |
| | | | | 11/30/2020 | 68.00 68.20 | - | - | 3656.75 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 |
| | | | | 03/04/2022 | 69.43 | - | - | 3655.32 |
| | | | | 06/07/2022 | 69.71 | - | - | 3655.04 |
| | | | | 09/14/2022 | 69.92 | - | - | 3654.83 |
| | | | | 12/06/2022 | 70.19 | - | - | 3654.56 |
| 1W-19 2" | 3722.8 | 60 | 80 | 09/12/2018 12/10/2018 | 61.58 61.74 | - | - | 3661.22 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 03/22/2021 | 63.28 63.51 | - | - | 3659.52 3659.29 |
| | | | | 06/15/2021 | 63.75 | - | - | 3659.05 |
| | | | | 09/16/2021 | 64.00 | - | - | 3658.80 |
| | | | | 12/01/2021 | 64.19 | - | - | 3658.61 |
| | | | | 03/04/2022 | 64.40 | - | - | 3658.40 |
| | | | | 06/07/2022 | 64.70 | - | - | 3658.10 |
| | | | | 09/14/2022 | 64.96 | - | - | 3657.84 |
| Specific Gra | | | | 12/06/2022 | 65.16 | - | - | 3657.64 |
| Notes: DR = Well di DS = Well de NG = Well no NL = Well no NSA = No ac | ry estroyed ot gauged ot located ccess | | | | | | | |
| NL = Well no NSA = No ao OB = Obstru | ot located ccess action in well ugged and at | pandoned | | Page 7 of 7 | | | | |

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

| Sample ID | Date Sampled | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX |
|---------------|--|--|--|---|--|--|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| NMWQCC - Grou | ndwater Standards | 0.010 | 0.750 | 0.750 | 0.620 | - |
| 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 |
| | 03/07/2022 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | | <0.000408 | | | <0.000642 | |
| | 06/07/2022 | | <0.000367 | <0.000657 | | <0.000657 |
| | 09/15/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| 1 41 4 / O A | 12/06/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| 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 | _ |
| | 12/00/2010 | | | 0.00011 | | |
| | 03/07/2017 | 0.0016 J | <0.000367 | <0.000657 | <0.000630 | 0.0016 |
| | 03/07/2017 06/08/2017 | 0.0745 | 0.00308 | | <0.000630 0.00267 | 0.0016 0.0847 |
| | 03/07/2017 | | | <0.000657 | <0.000630 | |
| | 03/07/2017 06/08/2017 | 0.0745 | 0.00308 | <0.000657 0.00441 | <0.000630 0.00267 | 0.0847 |
| | 03/07/2017 06/08/2017 09/14/2017 | 0.0745 <0.000408 | 0.00308 <0.000367 | <0.000657 0.00441 <0.000657 | <0.000630 0.00267 <0.000630 | 0.0847 <0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 | 0.0745 <0.000408 0.000910 J | 0.00308 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 | 0.0745 <0.000408 0.000910 J <0.000480 | 0.00308 <0.000367 <0.000367 <0.000512 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 | 0.0847 <0.000367 0.000910 J <0.000270 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 |
| MW-6 | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000408 <0.000480 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000367 <0.000512 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000367 <0.000512 <0.0005 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.00065 0.350</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000408 <0.000480 <0.0005 7.89 D | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.0005 0.350 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.000270 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000480 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000512 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.000616 <0.0005 0.350 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000630 <0.000270 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.0005 9.690 <0.000367 <0.000270 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000512 <0.000367 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 0.0005 0.350 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000270 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 <0.000270 <0.000367 |
| MW-6 MW-7A | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000480 <0.000480 <0.000480 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000367 <0.000367 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.0005 0.350 <0.000657 <0.000657 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 <0.000270 <0.000367 0.000630 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000408 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000367 <0.000367 <0.000367 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.0005 0.350 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 <0.000270 <0.000367 <0.000367 <0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000656 <0.000616 <0.000657 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.0005 9.690 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000367 0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <pre><0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.0005 0.350 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657</pre> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.0005 9.690 <0.000270 <0.000270 <0.000367 <0.000270 <0.000367 0.000367 0.000367 0.000380 0.000440 J |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 J 0.000408 0.000408 0.000408 0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.0005 0.773 D <0.000367 <0.000512 <0.000367 <0.000367 <0.000367 <0.000367 0.000367 0.000367 0.000367 0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.000616 <0.00065 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.000270 <0.0005 9.690 <0.000270 <0.000367 <0.000270 <0.000367 0.000367 0.000367 0.000630 0.000440 J 0.00121 J |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.0005 7.89 D <0.000480 <0.000480 <0.000480 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.0005 0.773 D <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.000616 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.00063 <0.000270 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.0005 9.690 <0.000367 <0.000270 <0.000367 0.000630 <0.000367 0.000880 0.000440 J 0.00121 J <0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.0005 7.89 D <0.000480 <0.000480 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 0.000408 0.000408 0.000408 0.000403 J | 0.00308 <0.000367 <0.000367 <0.000512 <0.00051 <0.00051 <0.00051 <0.00051 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000616 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.000367 <0.000367 <0.000367 <0.000367 0.000630 <0.000367 0.000880 0.000440 J 0.00121 J <0.000367 0.000367 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 <0.000408 <0.000403 <0.000403 <0.000403 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.000512 <0.000512 <0.000512 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000880 <0.000367 0.000860 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000616 <0.000616 <0.00057 <0.000657 <l><0.000657 <0.000657 <0.000657 <0.000657 <0.000657 <0.000657<td> <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 <0.0005 <0.000270 <0.000630 </td><td>0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.00025 9.690 <0.000367 <0.000270 <0.000367 0.000367 0.000367 0.00080 0.000440 J 0.00121 J <0.00130 J <0.001030 J <0.00200</td></l> | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 <0.0005 <0.000270 <0.000630 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000270 <0.00025 9.690 <0.000367 <0.000270 <0.000367 0.000367 0.000367 0.00080 0.000440 J 0.00121 J <0.00130 J <0.001030 J <0.00200 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000400 <0.000400 <0.000400 <0.000000 <0.000000 <0.000000 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.000512 <0.000512 <0.000512 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000880 <0.000367 0.000840 J <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000616 <0.000616 <0.0005 <0.0005 <0.000657 <0.000200 <0.000200 <0.000200 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 <0.0005 <0.0005 <0.000630 <l><0.000630 <0.000630 <0.000630</l> | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000367 <0.0005 9.690 <0.000367 <0.000367 0.000367 0.000880 0.000440 J <0.000367 0.000367 0.000367 0.00121 J <0.000367 0.001030 J <0.00200 <0.00400 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 09/16/2021 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000408 <0.000408 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 J <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000200 <0.000200 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.000512 <0.0005 <0.000512 <0.0005 <0.000567 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000840 0.000367 0.000640 J <0.000367 <0.002000 <0.00200 <0.00200 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.00061 <0.0005 <0.350 <0.000657 <0.000000 <0.00200 <0.00200 <0.00200 <0.00200 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 <0.0005 <0.0005 <0.000630 <0.000400 <0.00400 <0.00400 <0.00112 J | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000367 <0.0005 9.690 <0.000367 <0.000367 0.000367 0.00080 0.000440 J 0.00121 J <0.00200 <0.00400 0.00112 J |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 03/24/2021 06/18/2021 09/16/2021 12/01/2021 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000480 <0.000480 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 J <0.000408 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000403 <0.000200 <0.000200 <0.000200 <0.000200 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.00051 <0.0005 <0.0005 <0.0005 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000840 <0.000367 0.000640 J <0.000367 <0.00200 <0.00200 <0.00200 <0.00200 0.000200 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.00065 <0.0005 <0.0005 <0.000657 <0.0000657 <0.000657 <0.000200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 <0.0005 <0.0005 <0.000630 <0.000400 <0.00400 <0.00400 <0.00400 <0.00400 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000367 <0.0005 9.690 <0.000367 <0.000367 0.000367 0.000880 0.000440 J <0.000367 0.00121 J <0.00400 0.00112 J <0.00400 |
| | 03/07/2017 06/08/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 09/16/2021 12/01/2021 03/10/2022 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 J <0.000403 J <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.00051 <0.0005 <0.0005 <0.0005 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000840 J <0.000367 0.00040 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.00065 <0.00065 <0.00065 <0.00065 <0.000657 <0.0000657 <0.002000 <0.00200 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.0006400 <0.000400 <0.000400 <0.000400 <0.000400 <0.000642 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 0.000367 0.000367 0.000880 0.000440 J 0.00121 J <0.00200 <0.00400 0.00112 J <0.00400 <0.00400 <0.00400 <0.00400 <0.00400 |
| | 03/07/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 06/11/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2011 06/18/2021 06/18/2021 09/16/2021 09/16/2021 09/16/2021 09/16/2021 09/16/2021 03/07/2022 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 J <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.00051 <0.00051 <0.00051 <0.00051 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 <0.000367 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.000657 <0.000616 <0.000657 <0.000200 <0.00200 <0.000657 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.000630 <0.000270 <0.000630 <0.000270 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000640 <0.000640 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.00027 <0.0005 9.690 <0.000367 <0.000367 0.000367 0.000367 0.000367 0.00040 J <0.00121 J <0.00200 <0.00400 0.00112 J <0.00400 <0.00400 <0.00400 <0.00400 <0.004057 |
| | 03/07/2017 06/08/2017 06/08/2017 09/14/2017 03/22/2018 06/12/2018 09/13/2018 12/11/2018 03/20/2019 12/01/2020 09/13/2018 12/11/2018 03/15/2019 06/11/2019 09/24/2019 12/09/2019 03/10/2020 06/16/2020 09/23/2020 12/01/2020 03/24/2021 06/18/2021 09/16/2021 12/01/2021 03/10/2022 | 0.0745 <0.000408 0.000910 J <0.000480 <0.000480 <0.000480 <0.0005 7.89 D <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000408 <0.000403 J <0.000403 J <0.00200 <0.00200 <0.00200 <0.00200 <0.000408 | 0.00308 <0.000367 <0.000367 <0.000512 <0.000512 <0.00051 <0.0005 <0.0005 <0.0005 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 <0.000367 0.000840 J <0.000367 0.00040 J <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.00200 <0.000367 | <0.000657 0.00441 <0.000657 <0.000657 <0.000616 <0.00065 <0.00065 <0.00065 <0.00065 <0.00065 <0.000657 <0.0000657 <0.002000 <0.00200 | <0.000630 0.00267 <0.000630 <0.000630 <0.000270 <0.000630 <0.000270 <0.0005 0.6770 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.000630 <0.0006400 <0.000400 <0.000400 <0.000400 <0.000400 <0.000642 | 0.0847 <0.000367 0.000910 J <0.000270 <0.000367 <0.000270 <0.0005 9.690 <0.000367 <0.000367 0.000367 0.000880 0.000440 J 0.00121 J <0.00200 <0.00400 0.00112 J <0.00400 <0.00400 <0.00400 |

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

| Sample ID | Date Sampled | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX |
|-----------|--------------------------|-------------------------|-------------------------|--------------------------|------------------------|------------------------|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (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 06/11/2019 | 0.00752 0.00108 | 0.0129 0.00225 | 0.00952 0.00232 | 0.0234 0.00776 | 0.0533 0.0134 |
| | 09/24/2019 | <0.00108 | <0.00223 | <0.00252 | <0.00076 | <0.00367 |
| | 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 09/16/2021 | <0.00200 0.000542 J | <0.00200 <0.00200 | 0.000987 J <0.00200 | 0.00315 J 0.00472 | 0.00414 0.00526 |
| | 12/01/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00472 | <0.00320 |
| | 03/07/2022 | <0.000408 | < 0.000367 | <0.000657 | 0.00108 J | 0.00108 J |
| | 06/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | 0.00114 J | 0.00114 J |
| | 09/16/2022 | 0.000427 J | 0.000409 J | 0.00193 J | 0.00344 J | 0.00621 |
| | 12/06/2022 | 0.000657 J | 0.000378 J | 0.00280 | 0.00683 | 0.0107 |
| 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 |
| MW-12 | 11/30/2020 03/10/2016 | 2.49 D <0.000223 | 0.000690 J <0.000238 | 0.878 D <0.000238 | 0.5008 <0.000243 | 3.869 |
| IVIVV-12 | 05/27/2016 | 0.00130 | <0.000238 | 0.000400 J | 0.000300 J | |
| | 09/09/2016 | <0.000504 | <0.000230 | <0.000763 | <0.000366 | - |
| | 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 12/11/2018 | <0.000408 <0.000480 | <0.000367 <0.000512 | <0.000657 <0.000616 | <0.000630 <0.000270 | <0.000367 <0.000270 |
| | 03/18/2019 | <0.000480 | <0.000512 | <0.0005 | <0.000270 | <0.000270 |
| | 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 <0.00200 | <0.002000 | <0.002000 | <0.002000 |
| | 03/26/2021 06/18/2021 | 0.000842 J <0.00200 | <0.00200 | <0.00200 <0.00200 | <0.00400 <0.00400 | <0.00200 |
| | 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 |
| | 03/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 09/15/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| 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 <0.000630 | -0.000367 |
| | 03/07/2017 06/08/2017 | <0.000408 0.00985 | <0.000367 <0.00100 | <0.000657 <0.000657 | <0.000630 | <0.000367 0.00985 |
| | 09/14/2017 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.00367 |
| | 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 03/10/2020 | <0.000408 <0.000408 | 0.000450 <0.000367 | <0.000657 <0.000657 | <0.000630 <0.000630 | 0.000450 |
| | 06/15/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 <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 |
| | , | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |

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

| Sample ID | Date Sampled | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX |
|-----------|--------------|------------|------------|--------------|---------------|------------|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (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 |
| | 03/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | < 0.000642 | <0.000657 |
| | 09/15/2022 | <0.000408 | < 0.000367 | < 0.000657 | < 0.000642 | <0.000657 |
| 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 |
| | 03/07/2022 | <0.000408 | < 0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/15/2022 | <0.000408 | < 0.000367 | < 0.000657 | < 0.000642 | <0.000657 |

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

| Sample ID | Date Sampled | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX |
|-----------|--------------------------|-------------|------------|----------------------|------------------------|------------|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| 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 |
| | 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 | <0.0004367 | <0.000657 | <0.000630 | 0.000490 |
| | 06/15/2020 | <0.0004303 | 0.000600 J | <0.000657 | <0.000630 | 0.000600 |
| | 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 | <0.002000 | <0.002000 | | <0.002000 | |
| | 06/18/2021 | <0.00200 | <0.00200 | <0.00200 <0.00200 | <0.00400 | <0.00200 |
| | 09/17/2021 | | | <0.00200 | | <0.00400 |
| | | <0.00200 | <0.00200 | | <0.00400 | <0.00400 |
| | 12/01/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/07/2022 06/07/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 <0.000642 | <0.000657 |
| | | <0.000408 | <0.000367 | <0.000657 | | <0.000657 |
| | 09/15/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| 100/47 | 12/06/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| MW-17 | 03/10/2016 | <0.000223 | 0.000500 J | <0.000238 | <0.000243 | <u> </u> |
| | 05/27/2016 | 0.0016 | <0.000238 | 0.000300 J | <0.000243 | <u> </u> |
| | 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 |
| | 12/01/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/07/2022 | <0.000408 | < 0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 09/16/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 12/06/2022 | <0.000408 | < 0.000367 | < 0.000657 | < 0.000642 | < 0.000657 |

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

| Sample ID | Date Sampled | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX |
|-----------|--------------|------------|------------|--------------|---------------|------------|
| | | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) |
| 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 |
| | 03/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 06/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | < 0.000642 | < 0.000657 |
| | 09/15/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 12/06/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| 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 |
| | 03/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 06/07/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 09/15/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |
| | 12/06/2022 | <0.000408 | < 0.000367 | < 0.000657 | <0.000642 | <0.000657 |

Notes:

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

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater Standards

Received by OCD: 3/31/2023 10:55:54 AM

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement Kimbrough Sweet 8 inch Lea County, NM SRS#2000-10757

| Sample ID | Date Sampled | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | Dibenzofuran | Fluoranthene | Fluorene | Indeno (1,2,3-c,d) pyrene | Naphthalene | Phenanthrene | Pyrene |
|----------------|-------------------|--------------|----------------|-------------|--------------------|------------------|----------------------|----------------------|----------------------|------------|-----------------------|--------------|--------------|-------------|---------------------------|-----------------|--------------|-------------|
| NMWQCC - Group | ndwater Standards | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) 0.0007 | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) | (mg/L) 0.030 | (mg/L) | (mg/L) |
| MW-1A | 03/10/2016 | <0.000365 | <0.000638 | <0.0000353 | <0.000792 | <0.0007 | <0.000780 | <0.000570 | <0.0000616 | <0.0000891 | <0.0000618 | <0.0000667 | <0.0000701 | <0.0000866 | <0.000590 | <0.000721 | <0.000567 | <0.000456 |
| | 03/18/2019 | <0.0000303 | <0.0000033 | <0.00000333 | <0.0000792 | <0.000095 | <0.0000700 | <0.0000370 | <0.0000078 | <0.0000031 | <0.0000049 | 0.000458 | <0.0000701 | | <0.0000330 | 0.00493 | 0.000101 | <0.0000436 |
| MW-2A | 03/24/2021 | < 0.000194 | <0.000194 * | <0.000194 * | <0.000194 | <0.000194 * | <0.000194 * | <0.000194 * | <0.000194 * | <0.000194 | <0.000194 * | 0.0004363 * | <0.000194 | 0.000246 | <0.000194 * | 0.00464 * | 0.000101 | <0.000194 * |
| MW-7A | 03/15/2019 | <0.0000104 | <0.000074 | < 0.000077 | < 0.0000104 | <0.0000096 | <0.0000092 | <0.0000080 | <0.000079 | <0.0000184 | <0.000005 | <0.0000054 | <0.0000090 | <0.0000055 | <0.000005 | 0.000114 | <0.000200 | <0.000093 |
| | 03/10/2020 | < 0.000116 | <0.0000980 | | <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 |
| | 03/07/2022 | <0.0000986 | < 0.0000830 | <0.000887 | <0.000132 | < 0.0000563 | <0.000690 | <0.000111 | < 0.000114 | < 0.000154 | < 0.0000749 | <0.0000986 | < 0.000155 | <0.0000996 | <0.0000900 | <0.0000958 | <0.0000838 | <0.000128 |
| MW-8A | 03/15/2019 | < 0.0000041 | < 0.0000073 | < 0.0000076 | < 0.0000063 | < 0.0000095 | < 0.0000091 | <0.0000080 | | <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 | <0.000930 | <0.000144 | < 0.0000612 | | <0.000122 L | <0.000125 | <0.000168 | <0.0000816 | - | < 0.000169 | <0.000108 | <0.000980 | <0.000104 | < 0.0000913 | <0.000140 |
| | 03/07/2022 | < 0.0000993 | < 0.0000836 | < 0.0000894 | <0.000133 | < 0.0000567 | < 0.0000695 | <0.000112 | <0.000115 | <0.000155 | <0.0000755 | < 0.0000993 | <0.000156 | <0.000100 | <0.0000906 | < 0.0000965 | < 0.0000844 | <0.000129 |
| MW-11A | 03/18/2019 | 0.000112 | < 0.0000073 | <0.000076 | <0.000063 | <0.0000095 | <0.0000091 | <0.0000080 | <0.000078 | <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 | <0.000078 | <0.0000088 | <0.000049 | < 0.0000053 | < 0.0000090 | < 0.0000055 | < 0.0000049 | 0.0000651 | <0.000055 | <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 | <0.000748 | < 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 | <0.000073 | | <0.000063 | <0.0000095 | <0.000091 | <0.0000080 | <0.000078 | <0.0000088 | <0.0000049 | <0.0000053 | <0.0000090 | <0.000055 | <0.0000049 | 0.0000557 | <0.0000055 | <0.0000092 |
| | 03/10/2020 | <0.000108 | <0.0000913 | | <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 | | <0.0000775 | <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 | <0.000075 | <0.000077 | <0.000065 | <0.0000097 | <0.000093 | <0.000081 | <0.0000079 | <0.0000090 | <0.0000050 | <0.000054 | <0.0000091 | <0.000056 | <0.000050 | 0.0000363 | <0.000056 | <0.0000094 |
| | 03/10/2020 | <0.000105 | <0.0000886 | <0.0000911 | <0.000141 | <0.0000600 | : | <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 | <0.000361 | <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 |
| 104/45 | 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 | | | <0.00000640 | | <0.00000920 | <0.00000800 | | | <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 |
| | 03/07/2022 | <0.000100 | <0.0000844 | <0.0000902 | <0.000134 | <0.0000572 | <0.0000701 | <0.000113 | <0.000116 | <0.000156 | <0.0000761 | <0.000100 | <0.000157 | <0.000101 | < 0.0000915 | <0.0000974 | <0.0000852 | <0.000130 |

Notes:

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

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater Standards



APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2052-1 Client Project/Site: Kimbrough KIM

For:

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

Attn: David Adkins

JURAMER

Authorized for release by: 3/14/2022 6:56:55 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 8/14/2023 4:29:24 PM

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.

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Client: Talon/LPE Laboratory Job ID: 890-2052-1 Project/Site: Kimbrough KIM

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 11 |
| QC Sample Results | 12 |
| QC Association Summary | 16 |
| Lab Chronicle | 17 |
| Certification Summary | 19 |
| Method Summary | 20 |
| Sample Summary | 21 |
| | 22 |
| Receipt Checklists | 26 |

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Qualifiers

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

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 |

| ML | Minimum Level (Dioxin) |
|-----|---------------------------|
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| | Not Colonial |

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 Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Job ID: 890-2052-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2052-1

Receipt

The samples were received on 3/7/2022 3:33 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 6.2°C

GC/MS Semi VOA

Method 8270D_SIM: The surrogate recovery for the blank and Laboratory Control Sample (LCS) associated with preparation batch 860-44575 and analytical batch 860-44721 was outside the upper control limits.

Method 8270D_SIM: Surrogate recovery for the following samples were outside the upper control limit: MW-8A (890-2052-5), MW-19 (890-2052-6) and MW-7A (890-2052-9). This sample did not contain any target analytes; 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.

GC VOA

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

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Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-14 Lab Sample ID: 890-2052-1

Date Collected: 03/07/22 09:45 Matrix: Water Date Received: 03/07/22 15:33

Sample Depth: N/A

| Method: 8021B - Volatile Orga | nic Compounds | (GC) | | | | | | | |
|------------------------------------|----------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 06:02 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 06:02 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 06:02 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 06:02 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 06:02 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 06:02 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 06:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | _ | | 03/12/22 06:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 70 - 130 | | | | | 03/12/22 06:02 | 1 |
| - Method: Total BTEX - Total B1 | EX Calculation | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Lab Sample ID: 890-2052-2 Client Sample ID: MW-17

Date Collected: 03/07/22 09:54 **Matrix: Water**

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|----------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 06:29 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 06:29 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 06:29 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 06:29 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 06:29 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 06:29 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 06:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 118 | | 70 - 130 | | | _ | | 03/12/22 06:29 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | | | | | 03/12/22 06:29 | 1 |
| - Method: Total BTEX - Total BT | EX Calculation | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | |

Client Sample ID: MW-15 Lab Sample ID: 890-2052-3

Date Collected: 03/07/22 10:30 **Matrix: Water**

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Method: 8021B - Volatile Organic Compounds (GC) | | | | | | | | | | |
|---|------------|-----------|---------|----------|------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 06:55 | 1 | |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 06:55 | 1 | |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 06:55 | 1 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 06:55 | 1 | |

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-15 Lab Sample ID: 890-2052-3

Date Collected: 03/07/22 10:30 Matrix: Water
Date Received: 03/07/22 15:33

Sample Depth: N/A

| Method: 8021B - Volatile Organ | nic Compounds (| (GC) (Conti | nued) | | | | | | |
|--------------------------------|-----------------|-------------|----------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 06:55 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 06:55 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 06:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | | | | | 03/12/22 06:55 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 70 - 130 | | | | | 03/12/22 06:55 | 1 |

| Method: Total BTEX - Total BTEX 0 | Calculation | | | | | | | | |
|-----------------------------------|-------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Client Sample ID: MW-18

Lab Sample ID: 890-2052-4

Date Collected: 03/07/22 10:35 Matrix: Water

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|----------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 07:23 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 07:23 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 07:23 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 07:23 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 07:23 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 07:23 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 07:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 118 | | 70 - 130 | | | _ | | 03/12/22 07:23 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | | | | | 03/12/22 07:23 | 1 |
| - Method: Total BTEX - Total BT | EX Calculation | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

| Total BTEX | <0.000657 U | 0.00400 0.000657 mg/L | 03/14/22 14:50 1 |
|-------------------------|-------------|-----------------------|---------------------------|
| Client Sample ID: MW-8A | | | Lah Sample ID: 890-2052-5 |

Date Collected: 03/07/22 12:00 Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------|------------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Acenaphthene | <0.0000993 | U | 0.000181 | 0.0000993 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Acenaphthylene | <0.0000836 | U | 0.000181 | 0.0000836 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Anthracene | <0.0000894 | U | 0.000181 | 0.0000894 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Benzo[a]anthracene | <0.000133 | U | 0.000181 | 0.000133 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Benzo[a]pyrene | <0.0000567 | U | 0.000181 | 0.0000567 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Benzo[b]fluoranthene | <0.0000695 | U | 0.000181 | 0.0000695 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Benzo[g,h,i]perylene | <0.000112 | U | 0.000181 | 0.000112 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Benzo[k]fluoranthene | < 0.000115 | U | 0.000181 | 0.000115 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |

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Matrix: Water

Client Sample Results

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-8A Lab Sample ID: 890-2052-5

Date Collected: 03/07/22 12:00 Matrix: Water
Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-------------|-----------|---------------------|-----------|------|---|----------------|----------------|---------|
| Chrysene | <0.000155 | U | 0.000181 | 0.000155 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Dibenz(a,h)anthracene | <0.0000755 | U | 0.000181 | 0.0000755 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Dibenzofuran | < 0.0000993 | U | 0.000181 | 0.0000993 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Fluoranthene | <0.000156 | U | 0.000181 | 0.000156 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Fluorene | <0.000100 | U | 0.000181 | 0.000100 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0000906 | U | 0.000181 | 0.0000906 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Naphthalene | < 0.0000965 | U | 0.00361 | 0.0000965 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Phenanthrene | <0.0000844 | U | 0.000181 | 0.0000844 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Pyrene | <0.000129 | U | 0.000181 | 0.000129 | mg/L | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 2-Fluorobiphenyl | 173 | S1+ | 54 - 146 | | | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| Nitrobenzene-d5 | 153 | S1+ | 46 - 151 | | | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |
| p-Terphenyl-d14 | 153 | S1+ | 51 ₋ 139 | | | | 03/10/22 18:40 | 03/11/22 22:36 | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 10:34 | 1 |
| Toluene | <0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 10:34 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 10:34 | 1 |
| m-Xylene & p-Xylene | 0.00108 | J | 0.00400 | 0.000629 | mg/L | | | 03/12/22 10:34 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 10:34 | 1 |
| Xylenes, Total | 0.00108 | J | 0.00400 | 0.000642 | mg/L | | | 03/12/22 10:34 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 10:34 | 1 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 104 | 70 - 130 | | 03/12/22 10:34 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | 70 - 130 | | 03/12/22 10:34 | 1 |

| Method: Total BTEX - Total BTEX C | alculation | | | | | | | | |
|-----------------------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.00108 | J | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Client Sample ID: MW-19 Lab Sample ID: 890-2052-6

Date Collected: 03/07/22 12:00 Matrix: Water Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|------------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Acenaphthene | <0.000100 | U | 0.000182 | 0.000100 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Acenaphthylene | <0.0000844 | U | 0.000182 | 0.0000844 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Anthracene | <0.0000902 | U | 0.000182 | 0.0000902 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Benzo[a]anthracene | <0.000134 | U | 0.000182 | 0.000134 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Benzo[a]pyrene | <0.0000572 | U | 0.000182 | 0.0000572 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Benzo[b]fluoranthene | <0.0000701 | U | 0.000182 | 0.0000701 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Benzo[g,h,i]perylene | <0.000113 | U | 0.000182 | 0.000113 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Benzo[k]fluoranthene | <0.000116 | U | 0.000182 | 0.000116 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Chrysene | <0.000156 | U | 0.000182 | 0.000156 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Dibenz(a,h)anthracene | <0.0000761 | U | 0.000182 | 0.0000761 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |

Eurofins Carlsbad

2

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12

Client Sample Results

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-19

Lab Sample ID: 890-2052-6 Date Collected: 03/07/22 12:00 Matrix: Water

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Method: 8270D SIM - Semiv | volatile Organic Con | npounds (G | C/MS SIM) (C | ontinued) | | | | | |
|---------------------------|----------------------|------------|--------------|-----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Dibenzofuran | <0.000100 | U | 0.000182 | 0.000100 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Fluoranthene | <0.000157 | U | 0.000182 | 0.000157 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Fluorene | <0.000101 | U | 0.000182 | 0.000101 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0000915 | U | 0.000182 | 0.0000915 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Naphthalene | <0.0000974 | U | 0.00365 | 0.0000974 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Phenanthrene | <0.0000852 | U | 0.000182 | 0.0000852 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Pyrene | <0.000130 | U | 0.000182 | 0.000130 | mg/L | | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Fluorobiphenyl | 164 | S1+ | 54 - 146 | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| Nitrobenzene-d5 | 144 | | 46 - 151 | 03/10/22 18:40 | 03/11/22 22:55 | 1 |
| p-Terphenyl-d14 | 102 | | 51 - 139 | 03/10/22 18:40 | 03/11/22 22:55 | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 11:02 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 11:02 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 11:02 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 11:02 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 11:02 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 11:02 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 11:02 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | 03/12/22 11:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 | | 03/12/22 11:02 | 1 |

| Method: Total BTEX - Total BTEX C | Calculation | | | | | | | | |
|-----------------------------------|-------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Client Sample ID: MW-16 Lab Sample ID: 890-2052-7 Date Collected: 03/07/22 12:33 Matrix: Water

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 11:29 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 11:29 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 11:29 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 11:29 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 11:29 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 11:29 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 11:29 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 _ 130 | | | - | | 03/12/22 11:29 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 | | | | | 03/12/22 11:29 | 1 |

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-16 Lab Sample ID: 890-2052-7

Date Collected: 03/07/22 12:33 Matrix: Water Date Received: 03/07/22 15:33

Sample Depth: N/A

| Method: Total BTEX - Total BTEX (| Calculation | | | | | | | | |
|-----------------------------------|-------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Client Sample ID: MW-12 Lab Sample ID: 890-2052-8

Date Collected: 03/07/22 12:50 Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 11:56 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 11:56 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 11:56 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 11:56 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 11:56 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 11:56 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 11:56 | 1 |

| Surrogate | %Recovery (| Qualifier Li | imits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|--------------|---------|----------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 102 | 70 | 0 - 130 | | 03/12/22 11:56 | 1 |
| 4-Bromofluorobenzene (Surr) | 96 | 70 | 0 - 130 | | 03/12/22 11:56 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 |

Client Sample ID: MW-7A Lab Sample ID: 890-2052-9 Date Collected: 03/07/22 13:30 Matrix: Water

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-------------|-----------|----------|-----------|------|---|----------------|----------------|---------|
| Acenaphthene | <0.0000986 | U | 0.000179 | 0.0000986 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Acenaphthylene | <0.0000830 | U | 0.000179 | 0.0000830 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Anthracene | <0.0000887 | U | 0.000179 | 0.0000887 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Benzo[a]anthracene | <0.000132 | U | 0.000179 | 0.000132 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Benzo[a]pyrene | < 0.0000563 | U | 0.000179 | 0.0000563 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Benzo[b]fluoranthene | <0.0000690 | U | 0.000179 | 0.0000690 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Benzo[g,h,i]perylene | <0.000111 | U | 0.000179 | 0.000111 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Benzo[k]fluoranthene | <0.000114 | U | 0.000179 | 0.000114 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Chrysene | <0.000154 | U | 0.000179 | 0.000154 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Dibenz(a,h)anthracene | <0.0000749 | U | 0.000179 | 0.0000749 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Dibenzofuran | <0.0000986 | U | 0.000179 | 0.0000986 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Fluoranthene | <0.000155 | U | 0.000179 | 0.000155 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Fluorene | <0.0000996 | U | 0.000179 | 0.0000996 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.0000900 | U | 0.000179 | 0.0000900 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Naphthalene | <0.0000958 | U | 0.00359 | 0.0000958 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Phenanthrene | <0.0000838 | U | 0.000179 | 0.0000838 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Pyrene | <0.000128 | U | 0.000179 | 0.000128 | mg/L | | 03/10/22 18:40 | 03/11/22 23:14 | 1 |

Matrix: Water

Client Sample Results

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-7A

Date Collected: 03/07/22 13:30 Date Received: 03/07/22 15:33

Sample Depth: N/A

Lab Sample ID: 890-2052-9

Matrix: Water

| Suri | ogate %Recover | y Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-------|----------------|-------------|----------|----------------|----------------|---------|
| 2-FI | orobiphenyl 17 | S1+ | 54 - 146 | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| Nitro | benzene-d5 14 | 9 | 46 - 151 | 03/10/22 18:40 | 03/11/22 23:14 | 1 |
| р-Те | rphenyl-d14 13 | 6 | 51 - 139 | 03/10/22 18:40 | 03/11/22 23:14 | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 12:23 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 12:23 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 12:23 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 12:23 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 12:23 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 12:23 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 12:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 _ 130 | | | _ | | 03/12/22 12:23 | 1 |
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | | | | | 03/12/22 12:23 | 1 |

| Method: Total BTEX - Total BTEX Calculation | | | | | | | | | | |
|---|-----------|-----------|---------|----------|------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | 1 | |

Client Sample ID: MW-1A Lab Sample ID: 890-2052-10 Date Collected: 03/07/22 13:37 Matrix: Water

Date Received: 03/07/22 15:33

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|----------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 03/12/22 12:49 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 03/12/22 12:49 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 03/12/22 12:49 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 03/12/22 12:49 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 03/12/22 12:49 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 03/12/22 12:49 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | | 03/12/22 12:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,4-Difluorobenzene (Surr) | 113 | | 70 - 130 | | | _ | | 03/12/22 12:49 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 | | | | | 03/12/22 12:49 | 1 |
| Method: Total BTEX - Total BT | EX Calculation | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 03/14/22 14:50 | |

Surrogate Summary

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

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

Matrix: Water Prep Type: Total/NA

| | | | | Percent Su |
|------------------------------------|------------------------|----------|----------|------------|
| | | FBP | NBZ | TPHd14 |
| Lab Sample ID | Client Sample ID | (54-146) | (46-151) | (51-139) |
| 890-2052-5 | MW-8A | 173 S1+ | 153 S1+ | 153 S1+ |
| 890-2052-6 | MW-19 | 164 S1+ | 144 | 102 |
| 890-2052-9 | MW-7A | 170 S1+ | 149 | 136 |
| LCS 860-44575/2-A | Lab Control Sample | 151 S1+ | 154 S1+ | 118 |
| LCSD 860-44575/3-A | Lab Control Sample Dup | 127 | 131 | 113 |
| MB 860-44575/1-A | Method Blank | 165 S1+ | 143 | 147 S1+ |
| MB 860-44575/1-A Surrogate Legend | Method Blank | 165 S1+ | 143 | 147 S1+ |

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) |
|------------------|------------------------|----------|----------|--|
| | | DFBZ1 | BFB1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 390-2052-1 | MW-14 | 102 | 90 | |
| 390-2052-2 | MW-17 | 118 | 102 | |
| 390-2052-3 | MW-15 | 100 | 93 | |
| 390-2052-4 | MW-18 | 118 | 96 | |
| 390-2052-5 | MW-8A | 104 | 90 | |
| 390-2052-6 | MW-19 | 97 | 98 | |
| 390-2052-7 | MW-16 | 104 | 96 | |
| 890-2052-8 | MW-12 | 102 | 96 | |
| 390-2052-9 | MW-7A | 101 | 99 | |
| 390-2052-10 | MW-1A | 113 | 98 | |
| .CS 880-21326/34 | Lab Control Sample | 126 | 85 | |
| CSD 880-21326/35 | Lab Control Sample Dup | 106 | 93 | |
| MB 880-21145/5-A | Method Blank | 112 | 53 S1- | |
| MB 880-21326/39 | Method Blank | 109 | 55 S1- | |

Surrogate Legend

DFBZ = 1,4-Difluorobenzene (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Talon/LPE Job ID: 890-2052-1

RL

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.000182

0.00365

0.000182

0.000182

Limits

54 - 146

46 - 151

MDL Unit

mg/L

mg/L

ma/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

mg/L

0.000100

0.0000902

0.000134

0.000113

0.000116

0.000156

0.0000761

0.000100

0.000157

0.000101

0.0000974 mg/L

0.000130 mg/L

0.0000915

0.0000852

0.0000844 mg/L

0.0000572 mg/L

0.0000701 mg/L

D

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

03/10/22 18:40

Prepared

03/10/22 18:40

03/10/22 18:40

Project/Site: Kimbrough KIM

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

MB MB

<0.000100 U

<0.0000844 U

<0.0000902 U

<0.000134 U

<0.0000572 U

<0.0000701 U

<0.000113 U

<0.000116 U

<0.000156 U

<0.0000761 U

<0.000100 U

<0.000157 U

<0.000101 U

<0.0000915 U

<0.0000974 U

<0.0000852 U

<0.000130 U

%Recovery

MB MB

165 S1+

143

Qualifier

Result Qualifier

Lab Sample ID: MB 860-44575/1-A

Matrix: Water Analysis Batch: 44721

Analyte

Acenaphthene

Anthracene

Chrysene

Dibenzofuran

Fluoranthene

Naphthalene

Phenanthrene

Fluorene

Pyrene

Surrogate

2-Fluorobiphenyl

Nitrobenzene-d5

Acenaphthylene

Benzo[a]pyrene

Benzo[a]anthracene

Benzo[b]fluoranthene

Benzo[g,h,i]perylene

Benzo[k]fluoranthene

Dibenz(a,h)anthracene

Indeno[1,2,3-cd]pyrene

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

| | Prep Batch: 44575 | | | | | | |
|----------------|-------------------|---------|--|--|--|--|--|
| Prepared | Analyzed | Dil Fac | | | | | |
| 03/10/22 18:40 | 03/11/22 18:24 | 1 | | | | | |
| 03/10/22 18:40 | 03/11/22 18:24 | 1 | | | | | |
| 03/10/22 18:40 | 03/11/22 18:24 | 1 | | | | | |

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

03/11/22 18:24

Analyzed

03/11/22 18:24

03/11/22 18:24

Dil Fac

| p-Terphenyl-d14 | 147 S1+ | 51 - 139 | 03/10/22 18:40 | 03/11/22 18:24 | 1 |
|----------------------------------|---------|----------|-----------------|--------------------|-----|
| Lab Sample ID: LCS 860-44575/2-A | | | Client Sample I | D: Lab Control Sam | • |
| Matrix: Water | | | | Prep Type: Total | /NA |
| Analysis Batch: 44721 | | | | Prep Batch: 44 | 575 |

| Analysis Daton. 44721 | | | | | | | Fieb Date | 1. 44373 |
|------------------------|--------|---------|-----------|------|---|------|-----------|----------|
| | Spike | LCS | LCS | | | | %Rec. | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Acenaphthene | 0.0183 | 0.02890 | | mg/L | | 158 | 66 - 174 | |
| Acenaphthylene | 0.0183 | 0.02991 | | mg/L | | 164 | 67 - 182 | |
| Anthracene | 0.0183 | 0.03022 | | mg/L | | 165 | 55 - 191 | |
| Benzo[a]anthracene | 0.0183 | 0.02702 | | mg/L | | 148 | 16 - 171 | |
| Benzo[a]pyrene | 0.0183 | 0.02757 | | mg/L | | 151 | 10 - 165 | |
| Benzo[b]fluoranthene | 0.0183 | 0.02966 | | mg/L | | 162 | 10 - 166 | |
| Benzo[g,h,i]perylene | 0.0183 | 0.02641 | | mg/L | | 144 | 10 - 154 | |
| Benzo[k]fluoranthene | 0.0183 | 0.02811 | | mg/L | | 154 | 10 - 178 | |
| Chrysene | 0.0183 | 0.02773 | | mg/L | | 152 | 10 - 172 | |
| Dibenz(a,h)anthracene | 0.0183 | 0.02738 | | mg/L | | 150 | 10 - 168 | |
| Dibenzofuran | 0.0183 | 0.02964 | | mg/L | | 162 | 68 - 178 | |
| Fluoranthene | 0.0183 | 0.03022 | | mg/L | | 165 | 52 - 185 | |
| Fluorene | 0.0183 | 0.02962 | | mg/L | | 162 | 64 - 184 | |
| Indeno[1,2,3-cd]pyrene | 0.0183 | 0.02780 | | mg/L | | 152 | 10 - 160 | |
| Naphthalene | 0.0183 | 0.02847 | | mg/L | | 156 | 66 - 166 | |
| Phenanthrene | 0.0183 | 0.02992 | | mg/L | | 164 | 66 - 184 | |
| Pyrene | 0.0183 | 0.02892 | | mg/L | | 158 | 58 - 181 | |
| L | CS LCS | | | | | | | |

Surrogate %Recovery Qualifier Limits 2-Fluorobiphenyl 151 S1+ 54 - 146

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

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

Lab Sample ID: LCS 860-44575/2-A

Matrix: Water

Analysis Batch: 44721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 44575

LCS LCS

Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 154 S1+ 46 - 151 p-Terphenyl-d14 118 51 - 139

Lab Sample ID: LCSD 860-44575/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 44721

Prep Type: Total/NA

Prep Batch: 44575

| Analysis Datch. 44721 | | | | | | | Prep | Daten. | 443/3 |
|------------------------|--------|---------|-----------|------|---|------|---------------------|--------|-------|
| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Acenaphthene | 0.0181 | 0.02488 | | mg/L | | 137 | 66 - 174 | 15 | 40 |
| Acenaphthylene | 0.0181 | 0.02542 | | mg/L | | 140 | 67 - 182 | 16 | 40 |
| Anthracene | 0.0181 | 0.02524 | | mg/L | | 139 | 55 - 191 | 18 | 40 |
| Benzo[a]anthracene | 0.0181 | 0.02182 | | mg/L | | 120 | 16 - 171 | 21 | 50 |
| Benzo[a]pyrene | 0.0181 | 0.02325 | | mg/L | | 128 | 10 - 165 | 17 | 50 |
| Benzo[b]fluoranthene | 0.0181 | 0.02485 | | mg/L | | 137 | 10 - 166 | 18 | 50 |
| Benzo[g,h,i]perylene | 0.0181 | 0.02287 | | mg/L | | 126 | 10 - 154 | 14 | 50 |
| Benzo[k]fluoranthene | 0.0181 | 0.02402 | | mg/L | | 132 | 10 - 178 | 16 | 50 |
| Chrysene | 0.0181 | 0.02293 | | mg/L | | 126 | 10 - 172 | 19 | 50 |
| Dibenz(a,h)anthracene | 0.0181 | 0.02376 | | mg/L | | 131 | 10 - 168 | 14 | 50 |
| Dibenzofuran | 0.0181 | 0.02558 | | mg/L | | 141 | 68 - 178 | 15 | 40 |
| Fluoranthene | 0.0181 | 0.02492 | | mg/L | | 137 | 52 - 185 | 19 | 40 |
| Fluorene | 0.0181 | 0.02542 | | mg/L | | 140 | 64 - 184 | 15 | 40 |
| Indeno[1,2,3-cd]pyrene | 0.0181 | 0.02411 | | mg/L | | 133 | 10 - 160 | 14 | 50 |
| Naphthalene | 0.0181 | 0.02470 | | mg/L | | 136 | 66 - 166 | 14 | 40 |
| Phenanthrene | 0.0181 | 0.02541 | | mg/L | | 140 | 66 - 184 | 16 | 40 |
| Pyrene | 0.0181 | 0.02355 | | mg/L | | 130 | 58 ₋ 181 | 20 | 40 |

LCSD LCSD

| Surrogate | %Recovery Quality | fier Limits |
|------------------|-------------------|-------------|
| 2-Fluorobiphenyl | 127 | 54 - 146 |
| Nitrobenzene-d5 | 131 | 46 - 151 |
| p-Terphenyl-d14 | 113 | 51 - 139 |

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21145/5-A

Matrix: Water

Analysis Batch: 21326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21145

| | MB | MB | | | | | | | |
|-------------------------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| Toluene | <0.000367 | U | 0.00200 | 0.000367 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| Methyl tert-butyl ether | <0.00258 | U | 0.0100 | 0.00258 | mg/L | | 03/10/22 12:54 | 03/11/22 12:51 | 1 |
| | | | | | | | | | |

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 1,4-Difluorobenzene (Surr) 70 - 130 03/10/22 12:54 03/11/22 12:51 112

QC Sample Results

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

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

Matrix: Water

Analysis Batch: 21326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21145

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 53 S1-70 - 130 03/10/22 12:54 03/11/22 12:51

Lab Sample ID: MB 880-21326/39

Lab Sample ID: MB 880-21145/5-A

Matrix: Water

Analysis Batch: 21326

Client Sample ID: Method Blank

Prep Type: Total/NA

мв мв

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Benzene <0.000408 0.00200 0.000408 03/12/22 02:52 Toluene <0.000367 U 0.00200 0.000367 mg/L 03/12/22 02:52 Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 03/12/22 02:52 0.000629 mg/L 0.00400 m-Xylene & p-Xylene <0.000629 U 03/12/22 02:52 o-Xylene <0.000642 U 0.00200 0.000642 mg/L 03/12/22 02:52 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 03/12/22 02:52 0.0100 Methyl tert-butyl ether <0.00258 U 0.00258 mg/L 03/12/22 02:52

MB MB

| Surrogate | %Recovery Qu | ualifier Li | mits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-------------|-------|----------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 109 | 70 | - 130 | | 03/12/22 02:52 | 1 |
| 4-Bromofluorobenzene (Surr) | 55 S1 | 1- 70 | - 130 | | 03/12/22 02:52 | 1 |

Lab Sample ID: LCS 880-21326/34 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 21326

| | Spil | e LCS | LCS | | | %Rec. | |
|-------------------------|------|----------|----------------|------|------|----------|--|
| Analyte | Adde | d Resul | t Qualifier Un | it D | %Rec | Limits | |
| Benzene | 0.10 | 0.09331 | mg | ı/L | 93 | 70 - 130 | |
| Toluene | 0.10 | 0.07824 | ł mg | J/L | 78 | 70 - 130 | |
| Ethylbenzene | 0.10 | 0.08422 | 2 mg | J/L | 84 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.20 | 0 0.1721 | mg | ı/L | 86 | 70 - 130 | |
| o-Xylene | 0.10 | 0.08781 | l mg | J/L | 88 | 70 - 130 | |
| Methyl tert-butyl ether | 0.50 | 0 0.4913 | 3 mg | J/L | 98 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 1,4-Difluorobenzene (Surr) | 126 | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 85 | 70 - 130 |

Lab Sample ID: LCSD 880-21326/35

Released to Imaging: 8/14/2023 4:29:24 PM

Matrix: Water

Analysis Batch: 21326

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

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
|-------------------------|-------|---------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.08664 | | mg/L | | 87 | 70 - 130 | 7 | 20 |
| Toluene | 0.100 | 0.08284 | | mg/L | | 83 | 70 - 130 | 6 | 20 |
| Ethylbenzene | 0.100 | 0.08893 | | mg/L | | 89 | 70 - 130 | 5 | 20 |
| m-Xylene & p-Xylene | 0.200 | 0.1823 | | mg/L | | 91 | 70 - 130 | 6 | 20 |
| o-Xylene | 0.100 | 0.09321 | | mg/L | | 93 | 70 - 130 | 6 | 20 |
| Methyl tert-butyl ether | 0.500 | 0.5305 | | mg/L | | 106 | 70 - 130 | 8 | 20 |

Lab Sample ID: LCSD 880-21326/35

QC Sample Results

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

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

Matrix: Water

Analysis Batch: 21326

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

LCSD LCSD

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 1,4-Difluorobenzene (Surr) | 106 | 70 - 130 |
| 4-Bromofluorobenzene (Surr) | 93 | 70 - 130 |

8

10

12

14

QC Association Summary

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

GC/MS Semi VOA

Prep Batch: 44575

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-2052-5 | MW-8A | Total/NA | Water | 3511 | |
| 890-2052-6 | MW-19 | Total/NA | Water | 3511 | |
| 890-2052-9 | MW-7A | Total/NA | Water | 3511 | |
| MB 860-44575/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-44575/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-44575/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

Analysis Batch: 44721

| Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------------|---|--|--|--|
| MW-8A | Total/NA | Water | 8270D SIM | 44575 |
| MW-19 | Total/NA | Water | 8270D SIM | 44575 |
| MW-7A | Total/NA | Water | 8270D SIM | 44575 |
| Method Blank | Total/NA | Water | 8270D SIM | 44575 |
| Lab Control Sample | Total/NA | Water | 8270D SIM | 44575 |
| Lab Control Sample Dup | Total/NA | Water | 8270D SIM | 44575 |
| | MW-8A MW-19 MW-7A Method Blank Lab Control Sample | MW-8A Total/NA MW-19 Total/NA MW-7A Total/NA Method Blank Total/NA Lab Control Sample Total/NA | MW-8A Total/NA Water MW-19 Total/NA Water MW-7A Total/NA Water Method Blank Total/NA Water Lab Control Sample Total/NA Water | MW-8A Total/NA Water 8270D SIM MW-19 Total/NA Water 8270D SIM MW-7A Total/NA Water 8270D SIM Method Blank Total/NA Water 8270D SIM Lab Control Sample Total/NA Water 8270D SIM |

GC VOA

Prep Batch: 21145

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-21145/5-A | Method Blank | Total/NA | Water | 5035 | |

Analysis Batch: 21326

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-2052-1 | MW-14 | Total/NA | Water | 8021B | |
| 890-2052-2 | MW-17 | Total/NA | Water | 8021B | |
| 890-2052-3 | MW-15 | Total/NA | Water | 8021B | |
| 890-2052-4 | MW-18 | Total/NA | Water | 8021B | |
| 890-2052-5 | MW-8A | Total/NA | Water | 8021B | |
| 890-2052-6 | MW-19 | Total/NA | Water | 8021B | |
| 890-2052-7 | MW-16 | Total/NA | Water | 8021B | |
| 890-2052-8 | MW-12 | Total/NA | Water | 8021B | |
| 890-2052-9 | MW-7A | Total/NA | Water | 8021B | |
| 890-2052-10 | MW-1A | Total/NA | Water | 8021B | |
| MB 880-21145/5-A | Method Blank | Total/NA | Water | 8021B | 21145 |
| MB 880-21326/39 | Method Blank | Total/NA | Water | 8021B | |
| LCS 880-21326/34 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-21326/35 | Lab Control Sample Dup | Total/NA | Water | 8021B | |

Analysis Batch: 21561

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-2052-1 | MW-14 | Total/NA | Water | Total BTEX | |
| 890-2052-2 | MW-17 | Total/NA | Water | Total BTEX | |
| 890-2052-3 | MW-15 | Total/NA | Water | Total BTEX | |
| 890-2052-4 | MW-18 | Total/NA | Water | Total BTEX | |
| 890-2052-5 | MW-8A | Total/NA | Water | Total BTEX | |
| 890-2052-6 | MW-19 | Total/NA | Water | Total BTEX | |
| 890-2052-7 | MW-16 | Total/NA | Water | Total BTEX | |
| 890-2052-8 | MW-12 | Total/NA | Water | Total BTEX | |
| 890-2052-9 | MW-7A | Total/NA | Water | Total BTEX | |
| 890-2052-10 | MW-1A | Total/NA | Water | Total BTEX | |

Job ID: 890-2052-1

Matrix: Water

Matrix: Water

XEN MID

Matrix: Water

Client: Talon/LPE

Project/Site: Kimbrough KIM

Client Sample ID: MW-14 Lab Sample ID: 890-2052-1

Date Collected: 03/07/22 09:45 **Matrix: Water**

Date Received: 03/07/22 15:33

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 06:02 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-17 Lab Sample ID: 890-2052-2

Date Collected: 03/07/22 09:54 Date Received: 03/07/22 15:33

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 06:29 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-15 Lab Sample ID: 890-2052-3

Date Collected: 03/07/22 10:30 Date Received: 03/07/22 15:33

Batch Dil Initial Final Batch Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 5 mL 21326 03/12/22 06:55 MR XEN MID Analysis 5 mL

1

Client Sample ID: MW-18 Lab Sample ID: 890-2052-4

21561

21561

03/14/22 14:50

03/14/22 14:50 AJ

AJ

Date Collected: 03/07/22 10:35

Analysis

Total/NA

Total/NA

Date Received: 03/07/22 15:33

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 07:23 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-8A Lab Sample ID: 890-2052-5

Date Collected: 03/07/22 12:00 Date Received: 03/07/22 15:33

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3511 | | | 55.4 mL | 2 mL | 44575 | 03/10/22 18:40 | MR | XEN STF |
| Total/NA | Analysis | 8270D SIM | | 1 | | | 44721 | 03/11/22 22:36 | PXS | XEN STF |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 10:34 | MR | XEN MID |

Client Sample ID: MW-19 Lab Sample ID: 890-2052-6

Date Collected: 03/07/22 12:00

Analysis

Date Received: 03/07/22 15:33

Total BTEX

Total BTEX

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-----------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3511 | | | 54.9 mL | 2 mL | 44575 | 03/10/22 18:40 | MR | XEN STF |
| Total/NA | Analysis | 8270D SIM | | 1 | | | 44721 | 03/11/22 22:55 | PXS | XEN STF |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 11:02 | MR | XEN MID |

Eurofins Carlsbad

Matrix: Water

XEN MID

Matrix: Water

Matrix: Water

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Client Sample ID: MW-19 Lab Sample ID: 890-2052-6

Date Collected: 03/07/22 12:00 **Matrix: Water**

Date Received: 03/07/22 15:33

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Lab Sample ID: 890-2052-7 **Client Sample ID: MW-16**

Date Collected: 03/07/22 12:33 Date Received: 03/07/22 15:33

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 11:29 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-12 Lab Sample ID: 890-2052-8 Date Collected: 03/07/22 12:50 **Matrix: Water**

Date Received: 03/07/22 15:33

| - | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 11:56 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-7A Lab Sample ID: 890-2052-9 Date Collected: 03/07/22 13:30 **Matrix: Water**

Date Received: 03/07/22 15:33

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 3511 | | | 55.8 mL | 2 mL | 44575 | 03/10/22 18:40 | MR | XEN STF |
| Total/NA | Analysis | 8270D SIM | | 1 | | | 44721 | 03/11/22 23:14 | PXS | XEN STF |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 12:23 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Client Sample ID: MW-1A Lab Sample ID: 890-2052-10 Date Collected: 03/07/22 13:37

Date Received: 03/07/22 15:33

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 21326 | 03/12/22 12:49 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21561 | 03/14/22 14:50 | AJ | XEN MID |

Laboratory References:

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

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Carlsbad

Matrix: Water

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

Laboratory: Eurofins Houston

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

| Authority | Pr | rogram | Identification Number | Expiration Date |
|---|--------------------------------|---|---|-----------------------|
| Texas | NI NI | ELAP | T104704215-21-44 | 06-30-22 |
| The following analytes | are included in this report by | ut the laboratory is not certif | fied by the governing authority. This list ma | av include analytes t |
| The following analytes the agency does not of Analysis Method | . , | ut the laboratory is not certif Matrix | fied by the governing authority. This list ma | ay include analytes |

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date |
|------------------------|--------------------|--------------------------------|---|-------------------------|
| Texas | NI | ELAP | T104704400-21-22 | 06-30-22 |
| 0 , | . , | ut the laboratory is not certi | fied by the governing authority. This list ma | ay include analytes for |
| the agency does not of | fer certification. | | | |
| Analysis Method | Prep Method | Matrix | Analyte | |
| Total BTEX | | Water | Total BTEX | |

Method Summary

Client: Talon/LPE Job ID: 890-2052-1

Project/Site: Kimbrough KIM

| Method | Method Description | Protocol | Laboratory |
|------------|--|----------|------------|
| 8270D SIM | Semivolatile Organic Compounds (GC/MS SIM) | SW846 | XEN STF |
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| 3511 | Microextraction of Organic Compounds | SW846 | XEN STF |
| 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 Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Client Sample ID

MW-14

MW-17

MW-15

MW-18

MW-8A

MW-19

MW-16

MW-12

MW-7A

MW-1A

Sample Summary

Collected

03/07/22 09:45

03/07/22 09:54

03/07/22 10:30

03/07/22 10:35

03/07/22 12:00

03/07/22 12:00

03/07/22 12:33

03/07/22 12:50

03/07/22 13:30

03/07/22 13:37

03/07/22 15:33

03/07/22 15:33

03/07/22 15:33

03/07/22 15:33

03/07/22 15:33

N/A

N/A

N/A

N/A

N/A

Client: Talon/LPE Job ID: 890-2052-1

Matrix

Water

Project/Site: Kimbrough KIM

Lab Sample ID

890-2052-1

890-2052-2

890-2052-3

890-2052-4

890-2052-5

890-2052-6

890-2052-7

890-2052-8

890-2052-9

890-2052-10

| Received | Depth |
|----------------|-------|
| 03/07/22 15:33 | N/A |

1000

53

MW 1/2

MW-16 MW-19 78 - 85 M-18 10-15

MW-14

して、こし

Sample Custody Seals: Cooler Custody Seals: Samples Received Intact: SAMPLE RECEIPT Sampler's Name:

eurofins 💸

Xenco

CIP-Cooling In Process

Bill to: (if different)

functicans

Environment Testing

Address:

Texas

88210

Address: Company Name:

2000-10757

EDD [

(ami)

Syan

TAT

roject Manager:

ompany Name:

City, State ZIP

13 14

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

| | WORK | Work Order No: | | ļ | |
|-------------------|------------|----------------|---|----------|-----------|
| | www | www.xenco.com | m Page | 0 | |
| | ~ | ork Order | Work Order Comments | | |
| Program: | UST/PST 🗌 | PRP B | Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ | ₹ | Superfund |
| State of Project: | <u>ст.</u> | | | | |
| Reporting: | Level II 🔲 | Level III | Reporting: Level II Level III PST/UST TRRP Level IV | TRRP | Level IV |

| hone: 575-44/-4835 | Email: Acal | dad is a Jalon pe. com | 100, 20h | Deliverables. EDD | or Core. |
|--|---|---|--|---------------------------------------|--|
| roject Nimber | Routine Rush | Pres. | | | None: NO DI Water: H ₂ O |
| roject Location: Lea County | Due Date: | | | | Cool: Cool MeOH: Me |
| R. Bel | TAT starts the day received by | | | _ | HCL: HC HNO 3: HN |
| 5RS # 20 | the lab, if received by 4:30pm | 5 | | | H ₂ SO ₄ : H ₂ NaOH: Na |
| AMPLE RECEIPT Temp Blank: (Yes) No | Wet Ice: Yes No | eter | | | H₃PO ₄: HP |
| tact: | ter ID: NUM OOT | ram | | | NaHSO 4: NABIS |
| ooler Custody Seals: Yes No N/A Correction Factor: | | Pa | | | Na ₂ S ₂ O ₃ : NaSO ₃ |
| ample Custody Seals: Yes No N/A Temperature Reading: | | × | 090-2002 CIR | 890-2002 Criain of Custody | Zn Acetate+NaOH: Zn |
| | Corrected Temperature: 6.2 | E) H | | - | NaOH+Ascorbic Acid: SAPC |
| Sample Identification Matrix Sampled | Time Depth Comp | Cont BT | | | Sample Comments |
| nw-14 Gw 3/7/22 | 16:45 N/A | 3 X | | | Email Analyticals |
|) | 9:54 1 | \ \ | | | ta: |
| 10-15 | 10:30 | 4 | | | CTBY cut (Paglo, can |
| 11 - 18 | 10:35 | 4 | | | Marchar (a) Paglo, com |
| ~ + | 12:00 | 5 X | | | |
| 7/10/19 | 12:00 | 5 / X | | | |
| 11/2 - 16 | 12:33 | 3 | | | |
| 1111/2 | 12:50 / | W/ | | | |
| 110 - 74 | 1;30 \ | × / 5 | | | |
| 1W-1A /) | 1:37) | 3 1 | | | |
| Total 200.7 / 6010 200.8 / 6020: 8 | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr C | Al Sb As Ba Be B Co CRA Sb As Ba Be Cd | A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U | li K Se | Ag SiO ₂ Na Sr Tl Sn U V Zn Hg: 1631 / 245.1 / 7470 / 7471 |
| ther. 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 | valid purchase order from client compa | ry to Eurofins Xenco, its affiliates an | d subcontractors. It assigns standard terms a | nd conditions | |
| 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 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. | and a charge of \$5 for each sample subr | or expenses incurred by the client litted to Eurofins Xenco, but not an | If such losses are due to circumstances beyon alyzed. These terms will be enforced unless pr | d the control eviously negotlated. | |
| Relinquished by: (Signature) Received | Received by: (Signature) | Date/Time | Relinquished by: (Signature) |) Received by: (Signature) | ignature) Date/Time |

Revised Date 08/25/2020 Rev. 2020.2

ેંકે eurofins Environment Testing America

Chain of Custody Record

Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199

Eurofins Carlsbad 1089 N Canal St.

| Client Information (Sub Contract Lab) | | Kr | Kramer Jessica | | 890-657 1 |
|---|--|--|---|--|--|
| Client Contact Shipping/Receiving | Phone: | E-Mail: | E-Mail: iessica kramer@eurofinset.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: | | | Accreditations Required (See note): | | Job#: |
| Eurofins Environment Testing South Centr | | | NELAP Texas | | 890-2052-1 |
| Address: 4145 Greenbriar Dr | Due Date Requested: 3/11/2022 | | Analysis I | Analysis Requested | Bservation Codes: |
| Otty: Stafford | TAT Requested (days): | | | | 2 Z Q |
| State, Zp: TX, 77477 | , | | | | |
| Phone: 281-240-4200(Tel) | *90# | | | | F MeOH R NAZSZO3 G Amchio S H2SO4 H Ascomic Acid T TSP Dodecahvdrate |
| Email: | :#OM | | (Ó) | | l fce U |
| Project Name: Kimbrough KIM | Project #: 89000047 | | NO S | enie) | K EDIA W pH 4-5 L EDA Z other (specify) |
| Site. | SSOW#: | 1 | /)jog | HSQ 00 | Other |
| Sample Libertification Private IV di als IV) | Sample | Sample Matrix Type Seole, Seole, C-Comp. | NESTRAIGE STOOL SIMILE | Jegovini, jero | Sacrial Instructions Motor |
| | | Preservation Code | | | |
| MW-8A (890-2052-5) | 3/7/22 12:00 Mountain | Water | × | | |
| MW-19 (890-2052-6) | 3/7/22 12:00 | Water | × | | 7.7324 |
| MW-7A (890-2052-9) | 3/7/22 13:30 Mountain | Water | × | | |
| | | | | | · · |
| | | | C/F0.1 | æ ∓ö i | |
| | | | Сопестеd Temp: | Temp: 1,7 | 75 |
| | | | | | |
| | | | | 1 | |
| | | | | 5 | |
| Note: Since isboratory accreditations are stubject to change. Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratory or other instructions will be provided. Any changes to laboratory does not currently maintain accreditation in the State of Ongin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current. | nt Testing South Central, LLC places the obove for analysis/tests/matrix being analysintral, LLC attention immediately. If all rev | wnership of method, al ed, the samples must t quested accreditations (| ralyte & accreditation compliance upon out sub se shipped back to the Eurofins Environment To tre current to date, return the signed Chain of C | contract laboratories. This sample shipment string South Central, LLC laboratory or other ustody attesting to said complicance to Euro | is forwarded under chain-of-custody. If the instructions will be provided. Any changes to fins Environment Testing South Central, L.C. |
| Possible Hazard Identification | | | Sample Disposal (A fee may I | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | tained longer than 1 month) |
| Deliverable Requested: I III, IV Other (specify) | Primary Deliverable Rank: 2 | | Special Instructions/QC Requirements: | וספור דו דפוני | |
| Empty Kit Relinquished by | Date: | | Time: | Method of Shipment: | |
| Reinquished by: Mul M. N. 3.8.33 | Date/Time: | Company | Reconstitue | Date/Time: | Сотрапу |
| | Date/Time: | Company | Received by | 22/4/5 |) 3 January (10) |
| Reinquished by: | Date/Time: | Company | Received by: | . Date/Time: | Company |
| Custody Seals Intact Custody Seal No. | | | Cooler Temperature(s) °C and Other Remarks: | r Remarks: | |
| | | | | | Ver 06/08/2021 |

Eurofins Carlsbad

💸 eurofins

| 1089 N Canal St. | | hoin of | |) | | _ | | | | | | £., | 💸 eurofins | |
|---|---|-------------------------------------|---|---|--|-----------------------------|---|----------------------------|--|------------------------|---------------------------|--|--|---|
| Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199 | | | 000 | ody IV | 9001 | • | | | | | | | | America |
| Client Information (Sub Contract Lab) | Sampler [.] | | | Lab PM Kramer, | л er, Jessica | ài | | | Carrier T | Carrier Tracking No(s) | (s) | | COC No: 890-658 1 | |
| | Phone: | | | E-Mail jessic | à l | @eurofin | set.com | | State of Origin: New Mexico | Origin: | | | Page. | |
| Company Eurofins Environment Testing South Centr | | | | | Accreditatio NELAP - | ns Require Texas | Accreditations Required (See note): NELAP - Texas | | | | | | Job#: 890-2052-1 | |
| Address 1211 W Florida Ave | Due Date Requested 3/11/2022 | | | | | | Anal | /sis | Requested | | | | Preservation Codes | odes |
| City: Midland | TAT Requested (days) | 8)- | | | | \exists | _ | | | _ | | | | M Hexane N - None |
| State Zip: TX 79701 | | | | | | | | | | | | | D Nitric Acid E NaHSO4 | P - Na2O4S O Na2SO3 |
| Phone: 432-704-5440(Tel) | PO # | | | | | | | | | | | | | R - Na2S2O3 S H2SO4 |
| Email | WO# | | | | and the second second | | | | | | | | H Ascorbic Acid I - Ice | T - TSP Dodecahydrate U Acetone V MCAA |
| Project Name Kimbrough KIM | Project #: 89000047 | | | | s or N | | | | | | | ainers | K-EDTA | W pH 4-5 Z - other (specify) |
| Site: | SSOW#: | | | | SD (Ye | :v | | | | | | | Other [,] | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample ((| Sample Type (C=comp, G=qrab) | Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Perform MS/M 8021B/6030B B1 | Total_BTEX_GC | | | | | | Total Number | n n | |
| | M A | | 20/1 | sible. | X | | | | | | | X | opeoidi | Openia menucionali vote |
| MVV-14 (890-2052-1) | 3/7/22 | 09 45 Mountain | | Water | × | × | | | | | | ω | | |
| MVV-17 (890-2052-2) | 3/7/22 | 09 54 Mountain | | Water | × | × | | | | | | ω | | |
| MW-15 (890-2052-3) | 3/7/22 | 10 30 Mountain | | Water | × | × | | | | | | ω | | |
| MVV-18 (880-2052-4) | 3/7/22 | 10 35 Mountain | | Water | × | × | \dashv | \dashv | 1 | | \exists | 3 | | |
| MW-8A (890-2052-5) | 3/7/22 | 12 00 Mountain | | Water | × | × | | | | _ | \downarrow | ω | | |
| MVV-19 (890-2052-6) | 3/7/22 | 12 00 Mountain | | Water | × | × | | \dashv | _ | 1 | \dashv | w | | |
| MW-16 (890-2052-7) | 3/7/22 | 12 33 Mountain | | Water | × | × | | | | | | ယ | | |
| MVV-12 (890-2052-8) | 3/7/22 | 12 50 Mountain | | Water | × | × | | | 1 | _ | | ω. | | |
| MW-7A (890-2052-9) | 3/7/22 | 13 30 Mountain | | Water | × | × | | | _ | | | ယ | | |
| Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central 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 Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC. | Testing South Central /e for analysis/tests/m ral LLC attention imm | LLC places the latrix being anal | ownership of yzed the sam equested accn | method analy ples must be seditations are | te & accred shipped back | itation com k to the Eur | pliance upor ofins Enviro | out subcon nment Testin | itract labora | Itories Thentral LLC | is sample s laboratory | hipment is or other is to Eurofi | s forwarded under structions will be ns Environment Te | chain-of-custody If the provided Any changes to esting South Central LLC. |
| Possible Hazard Identification Unconfirmed | | | | | Samp | le Disposal (A f | Sample Disposal (A fee | may be | may be assessed if samples are retained longer | d if sam | ples are | retaine | d longer than 1 | 1 month) |
| Deliverable Requested I II III IV Other (specify) | Primary Deliverable Rank. | ile Rank. 2 | | | Specia | Instruct | Special Instructions/QC R | Requirements | ents | <i>D</i> y E45 | | 7 | STORING FOR | монно |
| Empty Kit Religiouished by | | Date | | | Time: | - | | | Me | Method of Shipment: | pment: | | | |
| Relinquished by May Carly 3.8-38 | Date/Time | | 8 | Company | Rece | evedby | (SA) | 2 De | P | , D | Date/Time: | 7 | 1 C | Company |
| | Date/Time: | | | Company | Re | Redeived by | | | | Q | Date/Time: | | | Company |
| Relinquished by | Date/Time | | S | Company | Rec | Received by | | | | 0 | Date/Time: | | | Company |
| Custody Seals Intact: Custody Seal No | | | | | Coc | oler Tempe | Cooler Temperature(s) °C and Other Remarks. | and Other R | emarks. | 2 | | Ö | | |

Ver 06/08/2021

Δ Yes Δ No

Chain of Custody Record

| Custody Seals Intact Custody Seal No | Relinquished by | | CLUR WD 3.8.22 | linquished by: | II III IV Other (specify) | | Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, 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 Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC. | | | | | | | | MW-1A (890-2052-10) | | Sample Identification - Client ID (Lab ID) | | Site | Project Name: Kimbrough KIM | | e: 704-5440(Tel) | State Zip: TX, 79701 | | 1211 W Florida Ave, | s Environment Testing South Centr | g/Receiving | ormation (Sub Contract Lab) | 3220 3199 Fax 575-988-3199 | Eurofins Carlsbad |
|--------------------------------------|-----------------|-------------|----------------|---------------------|---------------------------|---|--|---------|-------------|---------|-----------|----|-------------|------------|---|-----------------------------|--|---|------------------|---|---|---------------------------------------|-----------------------------|-----------------------------------|---------------------------------|---|--|--|--------------------------------|-------------------|
| | Date/Time | Date/Time: | Date/Time: | | Primary Deliverable Rank. | | resting South Centra re for analysis/tests/r al LLC attention im | | | | | | | | 3/7/22 | $\bigg \rangle$ | Sample Date | | SSOW#: | Project #: 89000047 | WO# | PO # | | TAT Requested (days): | Due Date Requested 3/11/2022 | | Phone: | Sampler | | |
| | | | | Date | ble Rank. 2 | | al, LLC places i matrix being ar mediately If a | | | | | | | | 13 37 Mountain | X | Time | Sample | | | | | | ys): | α. | | | | Chain of Custody Record | • |
| | | | | | | | the ownership halyzed the sa | | | | | | | | | Preserval | G=grab) | Sample Type (C=comp, | | | | | | | | | | | of Cus | , |
| | Company | Company | Company | | | | of method ana mples must be creditations an | | | | | | | | Water | Preservation Code: | BT=Tissue, A=Air) | Matrix (W=water S=solid O=waste/oil, | | | | | | | | | E-Mail jessic | Lab PM: Kramei | tody R | • |
| | | | | Time. | Spe | San | llyte & acc shipped I e current t | | | | | | | | | $\stackrel{\times}{\times}$ | - Herry Cont | old Filtered : orform MS/M | | NO 10 10 10 10 10 10 10 10 10 10 10 10 10 | | o) | | Ţ. | | Accredit: NELAF | E-Mail essica kramer@eurofinset.com | Lab PM [.] Kramer, Jessica | eco | |
| Cooler Temperature(s) °C | Received by | Received by | Received | | Special Instructions/QC | Sample Disposal (A fe | reditation back to th o date re | - | | | | | | _ | × | | 3 | 21B/5030B B1 tal_BTEX_GC | | d MTB | E | | | | | Accreditations Required (See note): NELAP - Texas | ıer@eu | sica | 3 | • |
| mperatu | by: | by | 1 | ○ * | ruction | le Disposal (A fo Return To Client | compliane Eurofin | | | | | | | | | autosi autosi | | | | | | | | | | quired (S | rofinset | | | |
| re(s) °C | | | Z | | | (A fee | nce upor s Enviror signed Cl | - | | | | | | | | 77 | | | | | | | | _ | Anal | ee note): | .com | | | |
| and Other Remarks | | • | Z | | Requirements | may t | nent Te | | | | | | | | | | | | | | | | | | lysis F | | | | | |
| r Rema | | | P | | ments | De ass Disy | contract esting So sustody a | - | | | | | | | | | L | | | | | | | | Requested | | Ne Sta | င္မ | | |
| χς. | | | D | Meth | | assessed if san Disposal By Lab | laborato outh Cen attesting | | | | | | | | | 9 | | | | | | | | | sted | | State of Origin: New Mexico | Carrier Tracking No(s) | | |
| ŀ | 0 | ٥ | \ | Method of Shipment: | | if sam y Lab | ries. Th tral LLC to said c | | | | | | | | | | | | ···- | | | | | | | | gin: | king No | | |
| | Date/Time | Date/Time | Date/Time: | pment: | | ples a | is sampli laborati omplica | | | | | | | | | | | | | | | | | | | | | (s) | | |
| | | | А | | | re reta | e shipm ory or ot nce to E | 27. 100 | 4 7 90000 P | 22.22 | 5-04 V.24 | 00 | 77 - May 10 | V 107 2062 | 0.0000000000000000000000000000000000000 | | | | | | 1000 X 8 | 3. Sapranje | THE SHARE | | | | | | | |
| | | | | | | tained long Archive For | ent is fo her instr urofins I | la di | | .tourst | | | 1999 | | 3 | X | 10 | tal Number | of con Other: | | 200000000000000000000000000000000000000 | <u>-</u> ο : | ımp | 082 | Pre | -068 # qor | Page Page | 89 00 | d | . |
| | | | | | | er than | rwarded under ructions will be p Environment Te | | | | | | | | | | Special I. | | e ; | C-EDA | J - DI Water | G Amchlor H - Ascorbic Acid | D - Nitric Acid E NaHSO4 | A - HCL B NaOH C 7n Acetate | Preservation Codes | Job # [.] 890-2052-1 | Page Page 2 of 2 | COC No: 890-658 2 | | eurofins |
| \mid | Company | Company | Company | | | 1 month) Months | chain-of-custo provided. Any sting South C | | | | | | | | | | Special Instructions/Note: | | | W pH 4-5 Z - other (sp | < ⊂ | ⊣ o x | P Na204S Q Na2S03 | M - Hexane N None | des | | | | | |
| | | - | - | | | hs | ody If the y changes to entral LLC. | | | | | | | | | | s/Note: | | | pH 4-5 other (specify) | ne | NaZSZO3 H2SO4 TSP Dodecahydrate | 03 8 | ್ವ ಕ | | | | | Environment Testing America | |

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2052-1

Login Number: 2052 List Source: Eurofins 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 | N/A | |

<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2052-1

Login Number: 2052 **List Source: Eurofins Houston** List Number: 3 List Creation: 03/09/22 01:34 PM

Creator: Milone, Jeancarlo

| 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? | N/A | |
| 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 | True | |

Eurofins Carlsbad

<6mm (1/4").

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2052-1

Login Number: 2052 **List Source: Eurofins Midland** List Number: 2 List Creation: 03/09/22 11:25 AM

Creator: Kramer, Jessica

| 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 | True | |

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2386-1

Laboratory Sample Delivery Group: Lea County NM

Client Project/Site: Kimbrough

For:

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

Attn: David Adkins

CRAMER

6/15/2022 10:52:07 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Authorized for release by:

Visit us at:

------ LINKS ------

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env Released to Imaging: 8/14/2023 4:29:24 PM 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

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

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-2386-1
SDG: Lea County NM

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 8 |
| QC Sample Results | 9 |
| QC Association Summary | 11 |
| Lab Chronicle | 12 |
| Certification Summary | 14 |
| Method Summary | 15 |
| Sample Summary | 16 |
| Chain of Custody | 17 |
| Receipt Checklists | 19 |

3

4

6

8

10

11

13

14

Definitions/Glossary

Client: Talon/LPE Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

Qualifiers

| GC | VOA |
|----|------------|
| | |

Qualifier **Qualifier Description**

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossarv

| 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 Minimum Level (Dioxin) ML Most Probable Number MPN 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 **Quality Control** QC

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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-2386-1
Project/Site: Kimbrough SDG: Lea County NM

Job ID: 890-2386-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2386-1

Receipt

The samples were received on 6/7/2022 4:21 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 5.6° C

GC VOA

Method 8021B: The following sample was received outside of holding time: (880-15492-A-9).

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

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Job ID: 890-2386-1 SDG: Lea County NM

Project/Site: Kimbrough

Client Sample ID: MW-17

Lab Sample ID: 890-2386-1

Matrix: Water

Date Collected: 06/07/22 10:35 Date Received: 06/07/22 16:21

Sample Depth: N/A

Client: Talon/LPE

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 12:18 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 12:18 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 12:18 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 12:18 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 12:18 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 12:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | | | | | 06/14/22 12:18 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | | | 06/14/22 12:18 | 1 |

Method: Total BTEX - Total BTEX CalculationAnalyteResult on InterpretationQualifier on InterpretationRL on InterpretationMDL on InterpretationUnit on InterpretationDescriptionPrepared on InterpretationAnalyzed on InterpretationDil Factor on InterpretationTotal BTEX<0.000657</td>U0.004000.000657mg/L06/15/22 10:291

Client Sample ID: MW-18 Lab Sample ID: 890-2386-2

Date Collected: 06/07/22 10:10 Matrix: Water Date Received: 06/07/22 16:21

Comple Denth: N/A

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 12:45 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 12:45 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 12:45 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 12:45 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 12:45 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 12:45 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 79 | | 70 - 130 | | | | | 06/14/22 12:45 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | | | | | 06/14/22 12:45 | 1 |

| Method: Total BTEX - Total BTI | EX Calcula | tion | | | | | | | |
|--------------------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 06/15/22 10:29 | 1 |

Client Sample ID: MW-16

Date Collected: 06/07/22 09:35

Lab Sample ID: 890-2386-3

Matrix: Water

Date Collected: 06/07/22 09:35 Date Received: 06/07/22 16:21

Sample Depth: N/A

| Method: 8021B - Volatile Organic Compounds (GC) | | | | | | | | | | |
|---|------------|-----------|---------|----------|------|---|----------|----------------|---------|--|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac | |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 13:11 | 1 | |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 13:11 | 1 | |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 13:11 | 1 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 13:11 | 1 | |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 13:11 | 1 | |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 13:11 | 1 | |

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Job ID: 890-2386-1

SDG: Lea County NM

Client Sample ID: MW-16

Date Collected: 06/07/22 09:35 Date Received: 06/07/22 16:21

Sample Depth: N/A

Client: Talon/LPE

Project/Site: Kimbrough

Lab Sample ID: 890-2386-3

Matrix: Water

| Surrogate | %Recovery | Qualifier | Limits | Prepared Ana | alyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|--------------|-----------|---------|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 | 06/14/ | /22 13:11 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 06/14/ | /22 13:11 | 1 |

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 0.000657 mg/L 06/15/22 10:29

Client Sample ID: MW-1A Lab Sample ID: 890-2386-4 **Matrix: Water**

Date Collected: 06/07/22 11:20 Date Received: 06/07/22 16:21

Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 13:37 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 13:37 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 13:37 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 13:37 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 13:37 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 13:37 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | | 06/14/22 13:37 | 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | | 06/14/22 13:37 | 1 |

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 0.000657 mg/L 06/15/22 10:29

Client Sample ID: MW-7A Lab Sample ID: 890-2386-5 **Matrix: Water**

Date Collected: 06/07/22 11:00 Date Received: 06/07/22 16:21

Sample Depth: N/A

| Method: | 8021R. | . Volatile | Organic | Compounds | (GC) |
|---------|--------|------------|---------|-----------|------|

| Method. OUZ ID - Volatile | organic compo | unus (GO) | | | | | | | |
|---------------------------|---------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 14:03 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 14:03 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 14:03 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 14:03 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 14:03 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 14:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |

| Surrogate | %Recovery | Qualifier | Limits | Prepared Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | 06/14/22 14: | 3 1 |
| 1,4-Difluorobenzene (Surr) | 107 | | 70 - 130 | 06/14/22 14: | 3 1 |

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RI **MDL** Unit Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 06/15/22 10:29 0.000657 mg/L

Job ID: 890-2386-1

Client: Talon/LPE Project/Site: Kimbrough SDG: Lea County NM

Client Sample ID: MW-19 Lab Sample ID: 890-2386-6 Date Collected: 06/07/22 11:30 **Matrix: Water** Date Received: 06/07/22 16:21

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 14:30 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 14:30 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 14:30 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 14:30 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 14:30 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 14:30 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 89 | | 70 - 130 | | | | | 06/14/22 14:30 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | | | 06/14/22 14:30 | 1 |

Analyte Result Qualifier MDL Unit Prepared Analyzed Total BTEX <0.000657 U 0.00400 0.000657 mg/L 06/15/22 10:29

Client Sample ID: MW-8A Lab Sample ID: 890-2386-7 **Matrix: Water**

Date Collected: 06/07/22 10:00 Date Received: 06/07/22 16:21

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 14:56 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 14:56 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 14:56 | 1 |
| m-Xylene & p-Xylene | 0.00114 | J | 0.00400 | 0.000629 | mg/L | | | 06/14/22 14:56 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 14:56 | 1 |
| Xylenes, Total | 0.00114 | J | 0.00400 | 0.000642 | mg/L | | | 06/14/22 14:56 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 | | | | | 06/14/22 14:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | | | 06/14/22 14:56 | 1 |
| Method: Total BTEX - Total | BTEX Calcula | tion | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.00114 | J | 0.00400 | 0.000657 | mg/L | | | 06/15/22 10:29 | 1 |

Released to Imaging: 8/14/2023 4:29:24 PM

Surrogate Summary

Client: Talon/LPE Job ID: 890-2386-1
Project/Site: Kimbrough SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

| | | BFB1 | DFBZ1 | |
|-------------------|------------------------|----------|----------|--|
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-15492-A-9 MS | Matrix Spike | 100 | 99 | |
| 880-15492-A-9 MSD | Matrix Spike Duplicate | 99 | 101 | |
| 890-2386-1 | MW-17 | 100 | 102 | |
| 890-2386-2 | MW-18 | 79 | 98 | |
| 890-2386-3 | MW-16 | 98 | 98 | |
| 890-2386-4 | MW-1A | 99 | 107 | |
| 890-2386-5 | MW-7A | 106 | 107 | |
| 890-2386-6 | MW-19 | 89 | 102 | |
| 890-2386-7 | MW-8A | 98 | 97 | |
| LCS 880-27467/3 | Lab Control Sample | 106 | 94 | |
| LCSD 880-27467/4 | Lab Control Sample Dup | 97 | 104 | |
| MB 880-27467/8 | Method Blank | 75 | 93 | |

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Client: Talon/LPE Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27467/8

Matrix: Water

Analysis Batch: 27467

Client Sample ID: Method Blank

Prep Type: Total/NA

| | MB | MB | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 06/14/22 11:26 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 06/14/22 11:26 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 06/14/22 11:26 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 06/14/22 11:26 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 06/14/22 11:26 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 06/14/22 11:26 | 1 |
| | | | | | | | | | |

MB MB Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 70 - 130 4-Bromofluorobenzene (Surr) 06/14/22 11:26 75 1,4-Difluorobenzene (Surr) 93 70 - 130 06/14/22 11:26

Lab Sample ID: LCS 880-27467/3

Matrix: Water

Analysis Batch: 27467

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

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 85 70 - 130 0.100 0.08521 mg/L Toluene 0.100 0.08562 86 70 - 130 mg/L Ethylbenzene 0.100 0.09219 mg/L 92 70 - 130 92 m-Xylene & p-Xylene 0.200 0.1844 mg/L 70 - 130 o-Xylene 0.100 0.09287 93 70 - 130 mg/L

LCS LCS %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 106 1,4-Difluorobenzene (Surr) 94 70 - 130

Lab Sample ID: LCSD 880-27467/4

Matrix: Water

Analysis Batch: 27467

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

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|---------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.1028 | | mg/L | | 103 | 70 - 130 | 19 | 20 |
| Toluene | 0.100 | 0.09708 | | mg/L | | 97 | 70 - 130 | 13 | 20 |
| Ethylbenzene | 0.100 | 0.09449 | | mg/L | | 94 | 70 - 130 | 2 | 20 |
| m-Xylene & p-Xylene | 0.200 | 0.1569 | | mg/L | | 78 | 70 - 130 | 16 | 20 |
| o-Xylene | 0.100 | 0.08329 | | mg/L | | 83 | 70 - 130 | 11 | 20 |

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 |

Lab Sample ID: 880-15492-A-9 MS

Matrix: Water

Analysis Batch: 27467

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

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------|------------|-----------|-------|---------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.000408 | U | 0.100 | 0.07123 | | mg/L | | 71 | 70 - 130 | |
| Toluene | < 0.000367 | U | 0.100 | 0.07022 | | mg/L | | 70 | 70 - 130 | |

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Page 9 of 20

Client: Talon/LPE Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

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

Lab Sample ID: 880-15492-A-9 MS

Lab Sample ID: 880-15492-A-9 MSD

Matrix: Water Analysis Batch: 27467 **Client Sample ID: Matrix Spike**

Prep Type: Total/NA

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------------------|------------|-----------|-------|---------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Ethylbenzene | <0.000657 | U | 0.100 | 0.07696 | | mg/L | | 77 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.200 | 0.1518 | | mg/L | | 76 | 70 - 130 | |
| o-Xylene | < 0.000642 | U | 0.100 | 0.07932 | | mg/L | | 79 | 70 - 130 | |
| | | | | | | | | | | |

MS MS

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 |

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Matrix: Water Analysis Batch: 27467

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---------------------|------------|-----------|-------|---------|-----------|------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | <0.000408 | U | 0.100 | 0.07748 | | mg/L | | 77 | 70 - 130 | 8 | 25 |
| Toluene | < 0.000367 | U | 0.100 | 0.07734 | | mg/L | | 77 | 70 - 130 | 10 | 25 |
| Ethylbenzene | < 0.000657 | U | 0.100 | 0.08519 | | mg/L | | 85 | 70 - 130 | 10 | 25 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.200 | 0.1698 | | mg/L | | 85 | 70 - 130 | 11 | 25 |
| o-Xylene | <0.000642 | U | 0.100 | 0.08510 | | mg/L | | 85 | 70 - 130 | 7 | 25 |
| | | | | | | | | | | | |

MSD MSD

| Surrogate | %Recovery Qu | ıalifier Limits |
|-----------------------------|--------------|-----------------|
| 4-Bromofluorobenzene (Surr) | 99 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | 70 - 130 |

QC Association Summary

Client: Talon/LPE Job ID: 890-2386-1
Project/Site: Kimbrough SDG: Lea County NM

GC VOA

Analysis Batch: 27467

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-2386-1 | MW-17 | Total/NA | Water | 8021B | |
| 890-2386-2 | MW-18 | Total/NA | Water | 8021B | |
| 890-2386-3 | MW-16 | Total/NA | Water | 8021B | |
| 890-2386-4 | MW-1A | Total/NA | Water | 8021B | |
| 890-2386-5 | MW-7A | Total/NA | Water | 8021B | |
| 890-2386-6 | MW-19 | Total/NA | Water | 8021B | |
| 890-2386-7 | MW-8A | Total/NA | Water | 8021B | |
| MB 880-27467/8 | Method Blank | Total/NA | Water | 8021B | |
| LCS 880-27467/3 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-27467/4 | Lab Control Sample Dup | Total/NA | Water | 8021B | |
| 880-15492-A-9 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 880-15492-A-9 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |

Analysis Batch: 27600

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-2386-1 | MW-17 | Total/NA | Water | Total BTEX | |
| 890-2386-2 | MW-18 | Total/NA | Water | Total BTEX | |
| 890-2386-3 | MW-16 | Total/NA | Water | Total BTEX | |
| 890-2386-4 | MW-1A | Total/NA | Water | Total BTEX | |
| 890-2386-5 | MW-7A | Total/NA | Water | Total BTEX | |
| 890-2386-6 | MW-19 | Total/NA | Water | Total BTEX | |
| 890-2386-7 | MW-8A | Total/NA | Water | Total BTFX | |

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Job ID: 890-2386-1 SDG: Lea County NM

Client: Talon/LPE Project/Site: Kimbrough **Client Sample ID: MW-17**

Lab Sample ID: 890-2386-1

Matrix: Water

Date Collected: 06/07/22 10:35 Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 12:18 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Client Sample ID: MW-18 Lab Sample ID: 890-2386-2

Date Collected: 06/07/22 10:10 **Matrix: Water**

Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 12:45 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Client Sample ID: MW-16 Lab Sample ID: 890-2386-3

Date Collected: 06/07/22 09:35 **Matrix: Water**

Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 13:11 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Client Sample ID: MW-1A Lab Sample ID: 890-2386-4 Date Collected: 06/07/22 11:20 **Matrix: Water**

Date Received: 06/07/22 16:21

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 13:37 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Client Sample ID: MW-7A Lab Sample ID: 890-2386-5

Date Collected: 06/07/22 11:00 Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 14:03 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Client Sample ID: MW-19 Lab Sample ID: 890-2386-6 Date Collected: 06/07/22 11:30 Matrix: Water

Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 14:30 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Eurofins Carlsbad

Matrix: Water

Lab Chronicle

Client: Talon/LPE Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

Client Sample ID: MW-8A Lab Sample ID: 890-2386-7 Date Collected: 06/07/22 10:00

Matrix: Water

Date Received: 06/07/22 16:21

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | | | 27467 | 06/14/22 14:56 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 27600 | 06/15/22 10:29 | SM | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

Laboratory: Eurofins Midland

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

| | | ogram | Identification Number | Expiration Date | |
|-----------------------|----|---------------------------------------|--|--|--|
| Texas | NE | LAP | T104704400-21-22 | 06-30-22 | |
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| the following analyte | • | rt, but the laboratory is r | not certified by the governing authority. | This list may include analytes for w | |
| 0 , | • | rt, but the laboratory is r Matrix | not certified by the governing authority. Analyte | This list may include analytes for w | |

Method Summary

Client: Talon/LPE Project/Site: Kimbrough Job ID: 890-2386-1

SDG: Lea County NM

| 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 Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Talon/LPE

Job ID: 890-2386-1 Project/Site: Kimbrough SDG: Lea County NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-2386-1 | MW-17 | Water | 06/07/22 10:35 | 06/07/22 16:21 | N/A |
| 890-2386-2 | MW-18 | Water | 06/07/22 10:10 | 06/07/22 16:21 | N/A |
| 890-2386-3 | MW-16 | Water | 06/07/22 09:35 | 06/07/22 16:21 | N/A |
| 890-2386-4 | MW-1A | Water | 06/07/22 11:20 | 06/07/22 16:21 | N/A |
| 890-2386-5 | MW-7A | Water | 06/07/22 11:00 | 06/07/22 16:21 | N/A |
| 890-2386-6 | MW-19 | Water | 06/07/22 11:30 | 06/07/22 16:21 | N/A |
| 890-2386-7 | MW-8A | Water | 06/07/22 10:00 | 06/07/22 16:21 | N/A |

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Environment Testing Xenco

eurofins :

Chain of Custody

EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296

| Talon LPE | Project Manager: | Dowld Adkins | SS | | Bill to: (if different) | | Plains All American | Work Or | Work Order Comments | |
|--|--|---|---|--|---|---|---|----------------------------------|--|----------------------------|
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| STS-44(1-4/835 Email: | | 108 Texas S | | | Address: | | Canille | State of Project: | | |
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| Temp Blank: (Yes) No Wet Ice: (Yes) No W | | 12 | | the lab, if rec | elved by 4:30pm | SI | | | H ₂ SO ₄ : H ₂ | NaOH: Na |
| Ves. No. Thermometer ID: T. A. A. A. A. A. A. A. | AMPLERECEIPT | Temp Blank: | (Yes) No | et Ice: | Yes. | nete | - 6 | | H ₃ PO ₄ : HP | |
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| Se | MW- 1A | | | 07:11 | | | | | Machoa | Marchoa @ paap. com |
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Eurofins Carlsbad

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| Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199 | <u> </u> | | Challi of Custody Record | Vecol | 2 | | - | | | | | | manne | America |
| Client Information (Sub Contract Lab) | Sampler | | K. la | Lab PM Kramer Jessica | sica | | | Сап | Carrier Tracking No(s). | ig No(s). | | 800 | COC No 890-784 1 | |
| 1 | Phone | | Je E | E-Mail Jessica Kramer@et.eurofinsus com | ner@et.e | urofinsus | com | Stat | State of Origin New Mexico | | | Page Page | Page Page 1 of 1 | |
| Company Eurofins Environment Testing South Centr | | | | Accreditate NELAP | Accreditations Requi NELAP - Texas | reditations Required (See note): LAP - Texas | ite): | | | | | :-068 # qor | Job #: 890-2386-1 | |
| Address 1211 W Florida Ave | Due Date Requested 6/13/2022 | | | | | Ana | lysis | Requested | sted | | | Pa | Code | |
| City: Midland | TAT Requested (days): | | | | | | _ | - | | | | | HCL NaOH | |
| State, Zip TX, 79701 | | | | <u> </u> | | | | | | | | m o c | | P Na2O4S Q Na2SO3 |
| Phone: 432-704-5440(Tel) | PO#- | | | Santa de la constitución de la c | | | | | | | | | : | S H2SO4 T TSP Dodecahydrate |
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| Project Name Kimbrough | Project #- 89000047 | | | A PROPERTY OF THE PARTY OF THE | | | ***** | | -tttt- | | | 「ス | | VV Pri 4-5 Y Trizma Z other (specify) |
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| | | X | Preservation Code: | X | | | -804 | | | | | Y | opecial IIIs | Special instructions/Note: |
| MW-17 (890-2386-1) | 6/7/22 M | | Water | | × | 200 | | | | | | ယ | 1970 Annual Control | A STATE OF THE STA |
| MW-18 (890-2386-2) | 6/7/22 M | 10 10 Mountain | Water | | × | | | | | | | မ | *************************************** | 110111111111111111111111111111111111111 |
| MW-16 (890-2386-3) | 6/7/22 M | 09 35 Mountain | Water | | × | | | | | | | CO | | |
| MW-1A (890-2386-4) | 6/7/22 M | 11 20 Mountain | Water | | × | | | | | | | w | | |
| MW-7A (890-2386-5) | 6/7/22 M | 11 00 Mountain | Water | | × | | | | | | | -630 · | | |
| MW-19 (890-2386-6) | 6/7/22 M | 11 30 Mountain | Water | | × | | | | | | | ယ | | |
| MVV-8A (890-2386-7) | 6/7/22 M | 10 00 Mountain | Water | | × × | | | | | | | 6 | | |
| Note Since laboratory accreditations are subject to change Eurofins Environm | ent Testing South Central | C places the ow | nership of method | analyte & according | editation of | | | | | | | | | |
| accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to sa | above for analysis/tests/mai 2entral LLC attention immed | trix being analyze diately If all requ | d the samples must ested accreditations | are current to | ack to the I date retur | urofins En | vironment d Chain of | esting Sor Custody at | uth Centra | LLC labo | ratory or o icance to I | ther instr | ructions will be pro Environment Testir | ronment Testing South Central LLC laboratory or other instructions will be provided. Any changes to Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC. |
| Possible Hazard Identification Unconfirmed | | | | Sam □ | ple Disp | Sample Disposal (A fee | | be asse | may be assessed if samples are retained longer | samples | □ are ret | tained long | than | 1 month) |
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6/15/2022

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-2386-1

SDG Number: Lea County NM

List Source: Eurofins Carlsbad

Login Number: 2386 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: 890-2386-1 SDG Number: Lea County NM

Login Number: 2386 **List Source: Eurofins Midland** List Creation: 06/09/22 11:15 AM List Number: 2

Creator: Rodriguez, Leticia

| Question | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| 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 | True | |

<6mm (1/4").

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2980-1

Laboratory Sample Delivery Group: Lea County

Client Project/Site: Kimbrough

For:

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

Attn: David Adkins

JURAMER

Authorized for release by: 10/3/2022 9:15:21 AM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

10/3/2022 9:15:21 AM

The Expert

------ LINKS ------

Review your project results through

EOL

Have a Question?

Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 8/14/2023 4:29:24 PM

signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic

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

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Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-2980-1 SDG: Lea County

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 8 |
| QC Sample Results | 9 |
| QC Association Summary | 13 |
| Lab Chronicle | 14 |
| Certification Summary | 16 |
| Method Summary | 17 |
| Sample Summary | 18 |
| Chain of Custody | 19 |
| Receipt Checklists | 21 |

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Definitions/Glossary

Client: Talon/LPE Job ID: 890-2980-1
Project/Site: Kimbrough SDG: Lea County

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 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** Detection Limit (DoD/DOE) DL 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

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 Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

Job ID: 890-2980-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2980-1

Receipt

The samples were received on 9/15/2022 2:18 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 5.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-35357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Matrix: Water

Lab Sample ID: 890-2980-1

Job ID: 890-2980-1

Client: Talon/LPE Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-18

Date Collected: 09/15/22 12:34 Date Received: 09/15/22 14:18

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/27/22 05:48 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/27/22 05:48 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/27/22 05:48 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/27/22 05:48 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/27/22 05:48 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/27/22 05:48 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | - | | 09/27/22 05:48 | 1 |
| 1,4-Difluorobenzene (Surr) | 83 | | 70 - 130 | | | | | 09/27/22 05:48 | 1 |

| | Method: Total BTEX - Total BTEX Cal | culation | | | | | | | | |
|---|-------------------------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Į | Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

Client Sample ID: MW-16 Lab Sample ID: 890-2980-2 **Matrix: Water**

Date Collected: 09/15/22 10:55 Date Received: 09/15/22 14:18

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/27/22 06:08 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/27/22 06:08 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/27/22 06:08 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/27/22 06:08 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/27/22 06:08 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/27/22 06:08 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 113 | | 70 - 130 | | | - | | 09/27/22 06:08 | 1 |
| 1,4-Difluorobenzene (Surr) | 89 | | 70 - 130 | | | | | 09/27/22 06:08 | 1 |

| | Method: Total BTEX - Total BTEX (| Calculation | | | | | | | | |
|---|-----------------------------------|-------------|-----------|---------|----------|------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| l | Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

Client Sample ID: MW-1A Lab Sample ID: 890-2980-3 **Matrix: Water**

Date Collected: 09/15/22 10:05 Date Received: 09/15/22 14:18

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/27/22 06:29 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/27/22 06:29 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/27/22 06:29 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/27/22 06:29 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/27/22 06:29 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/27/22 06:29 | 1 |

Job ID: 890-2980-1

SDG: Lea County

Client Sample ID: MW-1A

Date Received: 09/15/22 14:18

Lab Sample ID: 890-2980-3 Date Collected: 09/15/22 10:05

Matrix: Water

Sample Depth: N/A

Client: Talon/LPE

Project/Site: Kimbrough

| Surrogate | %Recovery Qualif | ier Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------------|------------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110 | 70 - 130 | | 09/27/22 06:29 | 1 |
| 1,4-Difluorobenzene (Surr) | 85 | 70 - 130 | | 09/27/22 06:29 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Total BTEX | < 0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

Client Sample ID: MW-19 Lab Sample ID: 890-2980-4

Date Collected: 09/15/22 12:05 Matrix: Water

Date Received: 09/15/22 14:18

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/29/22 00:42 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/29/22 00:42 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/29/22 00:42 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/29/22 00:42 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/29/22 00:42 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/29/22 00:42 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114 | | 70 _ 130 | | | _ | | 09/29/22 00:42 | 1 |
| 1,4-Difluorobenzene (Surr) | 88 | | 70 - 130 | | | | | 09/29/22 00:42 | 1 |

| Method: Total BTEX - Total BTEX C | Calculation | | | | | | | | |
|-----------------------------------|-------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

Lab Sample ID: 890-2980-5 **Client Sample ID: MW-12**

Date Collected: 09/15/22 11:34

Date Received: 09/15/22 14:18

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|----------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/29/22 01:03 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/29/22 01:03 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/29/22 01:03 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/29/22 01:03 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/29/22 01:03 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/29/22 01:03 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117 | | 70 - 130 | | | - | | 09/29/22 01:03 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | | | | | 09/29/22 01:03 | 1 |
| - Method: Total BTEX - Total BT | EX Calculation | | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | |

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Matrix: Water

Client Sample Results

Client: Talon/LPE Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

Cli

Date Date Received: 09/15/22 14:18

Sample Depth: N/A

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

| Client Sample ID: MW-14 | Lab Sample ID: 890-2980-6 |
|-------------------------------|---------------------------|
| ate Collected: 09/15/22 10:35 | Matrix: Water |

Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier RL MDL Unit Analyzed Dil Fac D Prepared <0.000408 U 09/29/22 01:23 0.00200 0.000408 mg/L <0.000367 U 0.00200 0.000367 mg/L 09/29/22 01:23 <0.000657 U 0.00200 0.000657 mg/L 09/29/22 01:23 <0.000629 U 0.00400 0.000629 mg/L 09/29/22 01:23 <0.000642 U 0.00200 0.000642 mg/L 09/29/22 01:23

0.000642 mg/L

| 0 | 0/5 | O | 1 : : 4 - | Dunnamed | A l | D# E- |
|-----------------------------|-----------|-----------|-----------|----------|----------------|---------|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 115 | | 70 - 130 | | 09/29/22 01:23 | 1 |
| 1 4 Diffusionahamana (Cuur) | 0.5 | | 70 120 | | 00/20/22 04:22 | 1 |

0.00400

<0.000642 U

| Method: Total BTEX - Total BTEX C | aculation | | | | | | | | |
|-----------------------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

Client Sample ID: MW-15 Lab Sample ID: 890-2980-7 **Matrix: Water**

Date Collected: 09/15/22 11:28 Date Received: 09/15/22 14:18

Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC)

| Method: 8021B - Volatile Orga | nic Compounas (| GC) | | | | | | | |
|-------------------------------|-----------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/29/22 01:43 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/29/22 01:43 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/29/22 01:43 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/29/22 01:43 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/29/22 01:43 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/29/22 01:43 | 1 |
| Surrogate | %Recovery | Qualifier | l imite | | | | Propared | Analyzed | Dil Fac |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114 | | 70 - 130 | | 09/29/22 01:43 | 1 |
| 1,4-Difluorobenzene (Surr) | 88 | | 70 - 130 | | 09/29/22 01:43 | 1 |

Method: Total BTEX - Total BTEX Calculation

| | ,, | | | | | | | | |
|------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 09/27/22 09:56 | 1 |

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09/29/22 01:23

Surrogate Summary

Client: Talon/LPE

Project/Site: Kimbrough

Job ID: 890-2980-1

SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

| | | | | Percent Surrogate Recovery (Acceptance Limits) |
|------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| ab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 80-19344-A-1 MS | Matrix Spike | 124 | 107 | |
| 80-19344-A-1 MSD | Matrix Spike Duplicate | 124 | 108 | |
| 80-19344-A-8 MS | Matrix Spike | 109 | 108 | |
| 80-19344-A-8 MSD | Matrix Spike Duplicate | 107 | 108 | |
| 90-2980-1 | MW-18 | 115 | 83 | |
| 90-2980-2 | MW-16 | 113 | 89 | |
| 90-2980-3 | MW-1A | 110 | 85 | |
| 90-2980-4 | MW-19 | 114 | 88 | |
| 90-2980-5 | MW-12 | 117 | 91 | |
| 90-2980-6 | MW-14 | 115 | 85 | |
| 90-2980-7 | MW-15 | 114 | 88 | |
| CS 880-35357/34 | Lab Control Sample | 121 | 110 | |
| CS 880-35552/34 | Lab Control Sample | 113 | 109 | |
| CSD 880-35357/35 | Lab Control Sample Dup | 117 | 107 | |
| CSD 880-35552/35 | Lab Control Sample Dup | 111 | 106 | |
| B 880-35289/5-A | Method Blank | 104 | 93 | |
| B 880-35357/39 | Method Blank | 106 | 94 | |
| B 880-35366/5-A | Method Blank | 103 | 90 | |
| B 880-35552/39 | Method Blank | 103 | 91 | |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Client: Talon/LPE Job ID: 890-2980-1
Project/Site: Kimbrough SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35289/5-A

Matrix: Water Analysis Batch: 35552 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35289

| | MB | MB | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepa | red | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|-------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | 09/23/22 | 15:27 | 09/28/22 11:41 | 1 |
| 1.4-Difluorobenzene (Surr) | 93 | | 70 - 130 | 09/23/22 | 15:27 | 09/28/22 11:41 | 1 |

Lab Sample ID: MB 880-35357/39

Client Sample ID: Method Blank
Matrix: Water

Prep Type: Total/NA

Analysis Batch: 35357

MB MB

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/26/22 22:38 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/26/22 22:38 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/26/22 22:38 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/26/22 22:38 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/26/22 22:38 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/26/22 22:38 | 1 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|---------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | 9/26/22 22:38 | 1 |
| 1,4-Difluorobenzene (Surr) | 94 | | 70 - 130 | 0 | 9/26/22 22:38 | 1 |

Lab Sample ID: LCS 880-35357/34

Matrix: Water

Analysis Batch: 35357

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

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.09811 | | mg/L | | 98 | 70 - 130 | |
| Toluene | 0.100 | 0.08653 | | mg/L | | 87 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.09304 | | mg/L | | 93 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1912 | | mg/L | | 96 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1168 | | mg/L | | 117 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery C | Qualifier | Limits |
|-----------------------------|-------------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | | 70 - 130 |

Lab Sample ID: LCSD 880-35357/35

Released to Imaging: 8/14/2023 4:29:24 PM

Matrix: Water

Analyte Benzene

Analysis Batch: 35357

| Client Sample ID: Lab | Control Sample Dup |
|-----------------------|---------------------|
| | Pron Type: Total/NA |

| Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|-----------|---------|-----------|------|---|------|----------|-----|-------|--|
| Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| 0.100 | 0.08994 | | mg/L | | 90 | 70 - 130 | 9 | 20 | |

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5

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10

2

Client: Talon/LPE Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

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

Lab Sample ID: LCSD 880-35357/35

Matrix: Water

Analysis Batch: 35357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| | Spike | LCSD | LCSD | | | %Rec | | RPD |
|---------------------|-------|---------|-------------|------|--------|----------|-----|-------|
| Analyte | Added | Result | Qualifier U | nit | D %Rec | Limits | RPD | Limit |
| Toluene | 0.100 | 0.08110 | m | ng/L | 81 | 70 - 130 | 6 | 20 |
| Ethylbenzene | 0.100 | 0.08449 | m | ng/L | 84 | 70 - 130 | 10 | 20 |
| m-Xylene & p-Xylene | 0.200 | 0.1744 | m | ng/L | 87 | 70 - 130 | 9 | 20 |
| o-Xylene | 0.100 | 0.09833 | m | ng/L | 98 | 70 - 130 | 17 | 20 |
| | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery Qualifi | er Limits |
|-----------------------------|-------------------|-----------|
| 4-Bromofluorobenzene (Surr) | 117 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | 70 - 130 |

Lab Sample ID: 880-19344-A-1 MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Water

o-Xylene

Analysis Batch: 35357

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene U F1 0.100 0.06104 F1 70 - 130 <0.000408 mg/L 61 Toluene 0.000724 JF1 0.100 0.05646 F1 56 70 - 130 mg/L Ethylbenzene <0.000657 U F1 0.100 70 - 130 0.06029 F1 mg/L 60 m-Xylene & p-Xylene 0.000797 JF1 0.200 0.1263 F1 63 70 - 130 mg/L

0.07986

0.100

MS MS

<0.000642 U

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 124 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 107 | 70 - 130 |

Lab Sample ID: 880-19344-A-1 MSD

Matrix: Water

Analysis Batch: 35357

Client Sample ID: Matrix Spike Duplicate

70 - 130

80

Prep Type: Total/NA

| Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|------------|--|--------------------------------------|--|---|---|--|--|---|--|--|
| Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| <0.000408 | U F1 | 0.100 | 0.06141 | F1 | mg/L | | 61 | 70 - 130 | 1 | 25 |
| 0.000724 | JF1 | 0.100 | 0.05587 | F1 | mg/L | | 55 | 70 - 130 | 1 | 25 |
| < 0.000657 | U F1 | 0.100 | 0.06025 | F1 | mg/L | | 60 | 70 - 130 | 0 | 25 |
| 0.000797 | JF1 | 0.200 | 0.1254 | F1 | mg/L | | 62 | 70 - 130 | 1 | 25 |
| <0.000642 | U | 0.100 | 0.07720 | | mg/L | | 77 | 70 - 130 | 3 | 25 |
| | Result <0.000408 0.000724 <0.000657 0.000797 | Sample Sample Result Qualifier | Result Qualifier Added <0.000408 | Result Qualifier Added Result <0.000408 | Result Qualifier Added Result Qualifier <0.000408 | Result Qualifier Added Result Qualifier Unit <0.000408 | Result Qualifier Added Result Qualifier Unit D <0.000408 | Result Qualifier Added Result Qualifier Unit D %Rec <0.000408 | Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.000408 | Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD <0.000408 |

MSD MSD

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 124 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 108 | 70 - 130 |

Lab Sample ID: MB 880-35366/5-A

Matrix: Water

Analysis Batch: 35357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35366

мв мв Dil Fac **MDL** Unit Prepared RL Analyzed 0.00200 0.000408 09/26/22 09:51 09/26/22 12:02 mg/L

mg/L

Analyte Result Qualifier Benzene <0.000408 U Toluene <0.000367 U 0.00200 0.000367 mg/L 09/26/22 09:51 09/26/22 12:02 Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 09/26/22 09:51 09/26/22 12:02 0.00400 09/26/22 09:51 09/26/22 12:02 m-Xylene & p-Xylene <0.000629 U 0.000629 mg/L

Client: Talon/LPE Job ID: 890-2980-1 SDG: Lea County Project/Site: Kimbrough

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

Lab Sample ID: MB 880-35366/5-A

Matrix: Water

Analysis Batch: 35357

Prep Type: Total/NA

Prep Batch: 35366

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|---------|----------|------|---|----------------|----------------|---------|
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | 09/26/22 09:51 | 09/26/22 12:02 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | 09/26/22 09:51 | 09/26/22 12:02 | 1 |
| | | | | | | | | | |

MD MD

мв мв

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|---------------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | 70 - 130 | 09/26/22 09:51 | 09/26/22 12:02 | 1 |
| 1,4-Difluorobenzene (Surr) | 90 | 70 - 130 | 09/26/22 09:51 | 09/26/22 12:02 | 1 |

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 35552

Matrix: Water

Lab Sample ID: MB 880-35552/39

мв мв

| | 14.0 | IVID | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/28/22 22:18 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/28/22 22:18 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/28/22 22:18 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/28/22 22:18 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/28/22 22:18 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/28/22 22:18 | 1 |
| | | | | | | | | | |

мв мв

| Surrogate | %Recovery | Qualifier | Limits | Pre | epared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|--------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | | 09/28/22 22:18 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | | | 09/28/22 22:18 | 1 |

Lab Sample ID: LCS 880-35552/34

Matrix: Water

Analysis Batch: 35552

| Client Sample I | D: Lab | Control | Sample |
|-----------------|--------|---------|--------|
| | _ | | |

Prep Type: Total/NA

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.09190 | | mg/L | | 92 | 70 - 130 | |
| Toluene | 0.100 | 0.08395 | | mg/L | | 84 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.08364 | | mg/L | | 84 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1715 | | mg/L | | 86 | 70 - 130 | |
| o-Xylene | 0.100 | 0.09928 | | mg/L | | 99 | 70 - 130 | |
| | | | | • | | | | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 109 | 70 - 130 |

Lab Sample ID: LCSD 880-35552/35

Matrix: Water

Analysis Batch: 35552

| Client Sample ID: Lab | Control Sample Dup |
|-----------------------|---------------------------|
| | Prop Type: Total/NA |

Prep Type: Total/NA

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|---------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | 0.100 | 0.08742 | | mg/L | | 87 | 70 - 130 | 5 | 20 |
| Toluene | 0.100 | 0.08031 | | mg/L | | 80 | 70 - 130 | 4 | 20 |
| Ethylbenzene | 0.100 | 0.08227 | | mg/L | | 82 | 70 - 130 | 2 | 20 |
| m-Xylene & p-Xylene | 0.200 | 0.1676 | | mg/L | | 84 | 70 - 130 | 2 | 20 |
| o-Xylene | 0.100 | 0.09709 | | mg/L | | 97 | 70 - 130 | 2 | 20 |

Client: Talon/LPE Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

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

| | LCSD | LCSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: 880-19344-A-8 MS

Matrix: Water

Analysis Batch: 35552

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| | Sample | Sample | Spike | IVIS | IVIS | | | | %Rec | |
|---------------------|------------|-----------|--------------|---------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | <0.000408 | U | 0.100 | 0.1076 | | mg/L | | 108 | 70 - 130 | |
| Toluene | < 0.000367 | U | 0.100 | 0.09488 | | mg/L | | 95 | 70 - 130 | |
| Ethylbenzene | <0.000657 | U | 0.100 | 0.09307 | | mg/L | | 93 | 70 - 130 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.200 | 0.1899 | | mg/L | | 95 | 70 - 130 | |
| o-Xylene | <0.000642 | U | 0.100 | 0.1098 | | mg/L | | 110 | 70 - 130 | |
| | | | | | | | | | | |

MS MS

| Surrogate | %Recovery C | Qualifier | Limits |
|-----------------------------|-------------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 108 | | 70 - 130 |

Lab Sample ID: 880-19344-A-8 MSD

Matrix: Water

Analysis Batch: 35552

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

%Rec RPD Spike MSD MSD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 70 - 130 25 <0.000408 0.1137 mg/L 114 5 Toluene <0.000367 U 0.100 0.1008 mg/L 101 70 - 130 25 6 Ethylbenzene <0.000657 U 0.100 0.09808 mg/L 98 70 - 130 25 5 0.200 25 m-Xylene & p-Xylene <0.000629 U 0.2011 mg/L 101 70 - 130 6 o-Xylene <0.000642 U 0.100 0.1162 mg/L 116 70 - 130 25

MSD MSD %Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 107 1,4-Difluorobenzene (Surr) 108 70 - 130

QC Association Summary

Client: Talon/LPE Job ID: 890-2980-1
Project/Site: Kimbrough SDG: Lea County

GC VOA

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|---|----|---|---|----|----|---|-----|-----|
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| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-35289/5-A | Method Blank | Total/NA | Water | 5035 | |

Analysis Batch: 35357

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-2980-1 | MW-18 | Total/NA | Water | 8021B | |
| 890-2980-2 | MW-16 | Total/NA | Water | 8021B | |
| 890-2980-3 | MW-1A | Total/NA | Water | 8021B | |
| MB 880-35357/39 | Method Blank | Total/NA | Water | 8021B | |
| MB 880-35366/5-A | Method Blank | Total/NA | Water | 8021B | 35366 |
| LCS 880-35357/34 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-35357/35 | Lab Control Sample Dup | Total/NA | Water | 8021B | |
| 880-19344-A-1 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 880-19344-A-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |

Prep Batch: 35366

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-35366/5-A | Method Blank | Total/NA | Water | 5035 | |

Analysis Batch: 35491

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-2980-1 | MW-18 | Total/NA | Water | Total BTEX | |
| 890-2980-2 | MW-16 | Total/NA | Water | Total BTEX | |
| 890-2980-3 | MW-1A | Total/NA | Water | Total BTEX | |
| 890-2980-4 | MW-19 | Total/NA | Water | Total BTEX | |
| 890-2980-5 | MW-12 | Total/NA | Water | Total BTEX | |
| 890-2980-6 | MW-14 | Total/NA | Water | Total BTEX | |
| 890-2980-7 | MW-15 | Total/NA | Water | Total BTEX | |

Analysis Batch: 35552

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-2980-4 | MW-19 | Total/NA | Water | 8021B | |
| 890-2980-5 | MW-12 | Total/NA | Water | 8021B | |
| 890-2980-6 | MW-14 | Total/NA | Water | 8021B | |
| 890-2980-7 | MW-15 | Total/NA | Water | 8021B | |
| MB 880-35289/5-A | Method Blank | Total/NA | Water | 8021B | 35289 |
| MB 880-35552/39 | Method Blank | Total/NA | Water | 8021B | |
| LCS 880-35552/34 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-35552/35 | Lab Control Sample Dup | Total/NA | Water | 8021B | |
| 880-19344-A-8 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 880-19344-A-8 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |
| - | | | | | |

Job ID: 890-2980-1

SDG: Lea County

Project/Site: Kimbrough **Client Sample ID: MW-18**

Lab Sample ID: 890-2980-1 Matrix: Water

Date Collected: 09/15/22 12:34 Date Received: 09/15/22 14:18

Client: Talon/LPE

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35357 | 09/27/22 05:48 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Client Sample ID: MW-16 Lab Sample ID: 890-2980-2

Date Collected: 09/15/22 10:55 **Matrix: Water**

Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35357 | 09/27/22 06:08 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Client Sample ID: MW-1A Lab Sample ID: 890-2980-3

Date Collected: 09/15/22 10:05 **Matrix: Water**

Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35357 | 09/27/22 06:29 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Client Sample ID: MW-19 Lab Sample ID: 890-2980-4 **Matrix: Water**

Date Collected: 09/15/22 12:05

Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35552 | 09/29/22 00:42 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Client Sample ID: MW-12 Lab Sample ID: 890-2980-5

Date Collected: 09/15/22 11:34 Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35552 | 09/29/22 01:03 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Client Sample ID: MW-14 Lab Sample ID: 890-2980-6

Date Collected: 09/15/22 10:35

Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35552 | 09/29/22 01:23 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Eurofins Carlsbad



Matrix: Water

Lab Chronicle

Client: Talon/LPE Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-15

Lab Sample ID: 890-2980-7 Date Collected: 09/15/22 11:28

Matrix: Water

Date Received: 09/15/22 14:18

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35552 | 09/29/22 01:43 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35491 | 09/27/22 09:56 | AJ | EET MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2980-1
Project/Site: Kimbrough SDG: Lea County

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date |
|------------------------|---------------------------------|--|---|-------------------------|
| Texas | NE | ELAP | T104704400-22-24 | 06-30-23 |
| The fellowing and have | | | | |
| | | | | |
| The following analytes | are included in this report, bu | it the laboratory is not certifi | ied by the governing authority. This list ma | ay include analytes for |
| the agency does not of | ' ' | It the laboratory is not certifi | ied by the governing authority. This list ma | ay include analytes for |
| 0 , | ' ' | it the laboratory is not certifi Matrix | led by the governing authority. This list ma | ay include analytes for |

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Method Summary

Client: Talon/LPE Job ID: 890-2980-1 Project/Site: Kimbrough SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|------------|---------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 5030B | Purge and Trap | SW846 | EET 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:

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

Sample Summary

Client: Talon/LPE Job ID: 890-2980-1
Project/Site: Kimbrough SDG: Lea County

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Dept |
|---------------|------------------|--------|----------------|----------------|------|
| 890-2980-1 | MW-18 | Water | 09/15/22 12:34 | 09/15/22 14:18 | N/A |
| 890-2980-2 | MW-16 | Water | 09/15/22 10:55 | 09/15/22 14:18 | N/A |
| 890-2980-3 | MW-1A | Water | 09/15/22 10:05 | 09/15/22 14:18 | N/A |
| 890-2980-4 | MW-19 | Water | 09/15/22 12:05 | 09/15/22 14:18 | N/A |
| 390-2980-5 | MW-12 | Water | 09/15/22 11:34 | 09/15/22 14:18 | N/A |
| 890-2980-6 | MW-14 | Water | 09/15/22 10:35 | 09/15/22 14:18 | N/A |
| 890-2980-7 | MW-15 | Water | 09/15/22 11:28 | 09/15/22 14:18 | N/A |

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11

13

Relinquished by: (Signature)

Received by: (Signature)

9/15/22

14

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Martina

GAMMET

🔅 eurofins Xenco **Environment Testing**

Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

| Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ | Work Order Commen | www.xenco.com |
|---|-------------------|---------------|
| elds 🗌 RRC 🗎 Superfund 🗎 | mments | Page of |
| | | |

Work Order No:

| www.xenco.com | Page | Of | |
|---|---|----------------------------|--|
| Work Order Comments | comments | | |
| gram: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ | nfields ☐ RRC | ☐ Superfund ☐ | |
| te of Project: | | | |
| porting: Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗 | T/UST 🗌 TRRF | Level IV | |
| iverables: EDD ☐ ADaPT ☐ | □ Other: | | |
| ST | Preserva | Preservative Codes | |
| | None: NO | DI Water: H ₂ O | |
| | Cool: Cool | MeOH: Me | |
| | HCL: HC | HNO ₃ : HN | |
| | H ₂ S0 ₄ : H ₂ | NaOH: Na | |
| | H₃PO₄: HP | | |
| | NaHSO ₄ : NABIS | S | |
| y | Na ₂ S ₂ O ₃ : NaSO ₃ | ٠ - | |
| | Zn Acetate+NaOH: Zn | OH: Zn | |

ANALYSIS REQUE

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SAMPLE RECEIPT

Sampler's Name:

roject Location:

Lea, County

Due Date:

✓ Routine

Rush

Pres. Code

Turn Around

roject Number:

roject Name:

Kimbrough

Phone:

575-441-4835

Email: dadkins@talonlpe.com

City, State ZIP:

SRS# 2000-10757

Artesia, NM 88210 408 Texas St

City, State ZIP:

ddress:

Project Manager:

David Adkins

Company Name:

Talon LPE

Company Name:

Attn: Camille Bryant Plains All American Pipeline

Bill to: (if different)

| ampler's Name: | SOMEZ K | 30 | TAT starts the | TAT starts the day received by the lab if received by | | | | | | | | | | | | | | H | | HCL: HC | Y I | HNO3: HN | |
|---|---|------------------------|--------------------|--|----------------------------|-----------|---------|-----------|----------------------|----------|---------------------------|-------------|-----------|---|---------|-----------------|-------|-----------------|----------|---|---------|----------|-------------|
| 0# | SRS# 2000-10757 | 57 | alle leib, il tooc | Trock of Trocking | ers | | | _ | | | | | | | = | | | | | H25U4: H2 | Nac | NaOn. Na | _ |
| AMPLE RECEIPT | Temp Blank: | (es) No | Wet Ice: | No No | nete | | | | | | | | | | | | | | - | H₃PO₄: HP | | | _ |
| amples Received Intact: | (Yell No | Thermometer ID: | rio. | Jun -00 | arar | | | | e = 8 | | | | | | | | | | | NaHSO ₄ : NABIS | S | | _ |
| ooler Custody Seals: | Yes No MA | Correction Factor | actor: | 601 | Pa | | | | 6 | 0-230 | Cac-Zaoo Chain of Custody | orc | ustody | | | | 1 | _ | | Na ₂ S ₂ O ₃ : NaSO ₃ | 3 | | |
| ample Custody Seals: | Yes No (NIA | Temperature Reading | Reading: | 2 | | 3 | | | - | - | - | _ | - | - | - | - | | | N | Zn Acetate+NaOH: Zn | OH: Zr | 1 | _ |
| otal Containers: | | Corrected Temperature: | mperature: | 4 | | 021E | | | • | | | _ | | | | | _ | _ | - | NaOH+Ascorbic Acid: SAPC | c Acid | SAPC | |
| Sample Identification | n Matrix | Date Sampled | Time Sampled | Depth Comp | # of | BTEX 8 | | | | | | | | | | | | | | Sample Comments | Comr | nents | |
| MW- 18 | GW | 9/15/77 | 12:34 | NA | w | × | | | | | | | | | - | | | _ | _ | Email Analyticals to: | nalytic | als to: | _ |
| MW-16 | |] | 10:55 | - | - | | | _ | | - | - | - | | | - | - | - | | <u> </u> | CJBryant@paalp.com | @paa | p.com | - |
| MW-IA | | | 10:05 | | _ | | | | | - | - | | | | - | \vdash | - | | | Maochoa@paalp.com | @paa | p.com | _ |
| MW-19 | | | 12:05 | | _ | | | | | _ | | | | | - | | | | | | | | |
| 21 -mm | | | 11:34 | | | | | | | - | | - | | | - | - | - | | | | | | - |
| MW-14 | | | 0:35 | | | | | | | _ | | | | | | | - | \vdash | | | | | _ |
| MW-15 | | _ | 82:11 | | - | - | | | - | - | | # | | | #- | ╫ | ╀ | | 1 | | | | |
| | | | | | | | | | - | | | - | | | | | - | | | | | | · · · · · · |
| | | | | | | | | | - | - | - | - | | | | - | - | _ | | | | | |
| Total 200.7 / 6010 | 200.8 / 6020: | R8 | CRA 13PF | 8RCRA 13PPM Texas 11 Al Sb As Ba Be | 1 AI S | b As | Ва В | œ | Cd Ca Cr Co Cu Fe Pb | CO CO | Cu F | e Pb | | M ≥ | ŏ Z | χ ω | e Ac | SiC | 2 Na | Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn | Z / Z | 3 | _ |
| ircle Method(s) and Metal(s) to be analyzed | al(s) to be analyz | ed | TCLP / SP | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo | RCRA | Sb As | Ва | e Cd | Cr Cc | Cu | Pb M | Mo | N S | Ni Se Ag TI U | = C | | ı | g: 16 | 31/2 | Hg: 1631 / 245.1 / 7470 / 7471 | 17471 | | |
| tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It 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 | and relinquishment of lable only for the cost | samples constitt | utes a valid pure | chase order from any responsibili | client com ty for any l | pany to E | urofins | Xenco, it | s affiliate | s and si | such lo | ctors. | t assign | assigns standard terms and conditions due to circumstances beyond the control | ard ter | ms and beyon | condi | tions ontrol | | | | | |
| Eurolins Aence. A minimum charge of \$35,00 will be applied to each project and a charge or \$5 for each sample submitted to Eurolins Aence, but not aliaryzed, these terms will be amounted unless previously measured. | rge of \$85.00 will be ap | phied to each pr | oject and a cha | Inpa Joi ce Jo a6. | Sample of | Dillitted | to Enio | IS Veller | , put lio | didiye | d. Hilber | e (E) III a | WIII DO 4 | 11101000 | dillo | 10104 | usiy | Source | | | | | ۳ |

Phone: 575-988-3199 Fax: 575-988-3199

Carlsbad, NM 88220

Eurofins Carlsbad

1089 N Canal St.

13

Chain of Custody Record

🐝 eurofins

Environment Testing

State Zip: **TX**, 79701 Project Name kimbrough MW-1A (890-2980-3) MW-18 (890-2980-1) Relinquished by: mpty Kit Relinquished by Deliverable Requested I II III IV Other (specify) Possible Hazard Identification Vote. Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory 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 Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to succeeditation status should be brought to Eurofins Environment Testing South Central. LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central. LLC. MW-15 (890-2980-7) MW-14 (890-2980-6) MW-12 (890-2980-5) MW-19 (890-2980-4) MW-16 (890-2980-2) Sample Identification - Client ID (Lab ID) 432-704-5440(Tel) Shipping/Receiving elinquished by Midland elinquished by: Client Information (Sub Contract Lab) 211 W Florida Ave rofins Environment Testing South Centr Ž Custody Seal No Phone: Primary Deliverable Rank Date/Time ₩ 0,# PO # Due Date Requested 9/21/2022 TAT Requested (days): 89000047 Sample Date roject #: 9/15/22 9/15/22 9/15/22 9/15/22 9/15/22 9/15/22 9/15/22 Mountain 11 28 Mountain 10 35 Mountain 11 34 Mountain 12 05 Mountain 10 05 Date Mountain 10 55 Mountain Sample 12 34 Ime (C=comp, G=grab Sample Type Preservation Code: Company Company Water Water Matrix Water Water Water Water Water Lab PM Kramer Jessica E-Mail Jessica Kramer@et.eurofinsus com Field Filtered Sample (Yes or No) Ime. Accreditations Required (See note)
NELAP - Texas Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Special Instructions/QC Requirements × × × × 8021B/5030B BTEX Cooler Temperature(s) °C and Other Remarks Received by \times × × × Total_BTEX_GCV × × × × × × Analysis Requested State of Origin New Mexico Carrier Tracking No(s): Method of Shipment Date/Time Date/Time Date/Time w Total Number of containers w w w ω A HCL
B. NaOH
C Zn Acetate
C. Nitric Acid
E NaHSO4
F MeOH
G Amchlor
H Ascorbic Acid COC No: 890-926 1 I - Ice J DI Water K - EDTA L EDA Preservation Codes: Page 1 of 1 390-2980-1 Special Instructions/Note M - Hexane
N - None
O AsNaO2
P - Na2O4S
Q Na2SO3
R - Na2SO3
R - Na2SO3
T - TSP Dodecahydrate
U - Acetone
V - MCAA
V - pH 4-5
V - Trizma
Z other (specify) Company Company Ver: 06/08/2021 Company Months

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2980-1 SDG Number: Lea County

List Source: Eurofins Carlsbad Login Number: 2980

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: 890-2980-1 SDG Number: Lea County

Login Number: 2980 List Source: Eurofins Midland List Number: 2 List Creation: 09/19/22 08:28 AM

Creator: Teel, Brianna

| 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 | |

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2987-1

Laboratory Sample Delivery Group: Lea County

Client Project/Site: Kimbrough

For:

eurofins 🔆

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

Attn: David Adkins

MAMER

Authorized for release by: 9/29/2022 1:17:16 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Have a Question?

EOL

------ LINKS ------

Review your project results through

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 8/14/2023 4:29:24 PM

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

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

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-2987-1
SDG: Lea County

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 7 |
| QC Sample Results | 8 |
| QC Association Summary | 10 |
| Lab Chronicle | 11 |
| Certification Summary | 12 |
| Method Summary | 13 |
| Sample Summary | 14 |
| Chain of Custody | 15 |
| Receipt Checklists | 17 |

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Definitions/Glossary

Client: Talon/LPE
Project/Site: Kimbrough
Job ID: 890-2987-1
SDG: Lea County

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.

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 Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

Job ID: 890-2987-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2987-1

Receipt

The samples were received on 9/16/2022 12:40 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 3.4° C

GC VOA

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

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Client: Talon/LPE Job ID: 890-2987-1 Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-17

Date Received: 09/16/22 12:40

Sample Depth: N/A

Xylenes, Total

Lab Sample ID: 890-2987-1 Date Collected: 09/16/22 10:20 **Matrix: Water**

Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed Benzene <0.000408 U 0.00200 0.000408 mg/L 09/29/22 03:05 Toluene <0.000367 U 0.00200 0.000367 mg/L 09/29/22 03:05 Ethylbenzene 0.00200 0.000657 09/29/22 03:05 <0.000657 U mg/L < 0.000629 0.00400 0.000629 09/29/22 03:05 m-Xylene & p-Xylene mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 09/29/22 03:05

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 111 70 - 130 09/29/22 03:05 70 - 130 1,4-Difluorobenzene (Surr) 83 09/29/22 03:05

0.00400

0.000642 mg/L

<0.000642 U

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.000657 0.00400 0.000657 mg/L 09/29/22 08:09

Client Sample ID: MW-7A Lab Sample ID: 890-2987-2

Date Collected: 09/16/22 11:00 Date Received: 09/16/22 12:40

Sample Depth: N/A

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000408 0.00200 0.000408 mg/L 09/29/22 03:25 Toluene <0.000367 U 0.00200 0.000367 mg/L 09/29/22 03:25 Ethylbenzene < 0.000657 0.00200 0.000657 mg/L 09/29/22 03:25 m-Xylene & p-Xylene 09/29/22 03:25 < 0.000629 U 0.00400 0.000629 mg/L o-Xylene <0.000642 U 0.00200 0.000642 mg/L 09/29/22 03:25 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 09/29/22 03:25 %Recovery Surrogate Qualifier Limits Prepared Analyzed Dil Fac

4-Bromofluorobenzene (Surr) 108 70 - 130 09/29/22 03:25 1,4-Difluorobenzene (Surr) 84 70 - 130 09/29/22 03:25 **Method: Total BTEX - Total BTEX Calculation**

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.000657 U 0.00400 0.000657 mg/L 09/29/22 08:09

Client Sample ID: MW-8A Date Collected: 09/16/22 09:45 Date Received: 09/16/22 12:40

Released to Imaging: 8/14/2023 4:29:24 PM

Sample Depth: N/A

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | 0.000427 | J | 0.00200 | 0.000408 | mg/L | | | 09/29/22 03:46 | 1 |
| Toluene | 0.000409 | J | 0.00200 | 0.000367 | mg/L | | | 09/29/22 03:46 | 1 |
| Ethylbenzene | 0.00193 | J | 0.00200 | 0.000657 | mg/L | | | 09/29/22 03:46 | 1 |
| m-Xylene & p-Xylene | 0.00344 | J | 0.00400 | 0.000629 | mg/L | | | 09/29/22 03:46 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/29/22 03:46 | 1 |
| Xylenes, Total | 0.00344 | J | 0.00400 | 0.000642 | mg/L | | | 09/29/22 03:46 | 1 |

Eurofins Carlsbad

09/29/22 03:05

Lab Sample ID: 890-2987-3

Matrix: Water

Matrix: Water

Matrix: Water

Lab Sample ID: 890-2987-3

Client Sample Results

Client: Talon/LPE Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-8A

Date Collected: 09/16/22 09:45 Date Received: 09/16/22 12:40

Sample Depth: N/A

| Surrogate | %Recovery Qualifie | r Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116 | 70 - 130 | | 09/29/22 03:46 | 1 |
| 1,4-Difluorobenzene (Surr) | 92 | 70 - 130 | | 09/29/22 03:46 | 1 |

| Method: Total BTEX - Total BTEX Calculation | | | | | | | | | |
|---|---------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.00621 | | 0.00400 | 0.000657 | mg/L | | | 09/29/22 08:09 | 1 |

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Surrogate Summary

Client: Talon/LPE Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

| | | BFB1 | DFBZ1 | Percent Surrogate Recovery (Acceptance Limits) |
|-------------------|------------------------|----------|----------|--|
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-19344-A-8 MS | Matrix Spike | 109 | 108 | |
| 880-19344-A-8 MSD | Matrix Spike Duplicate | 107 | 108 | |
| 890-2987-1 | MW-17 | 111 | 83 | |
| 890-2987-2 | MW-7A | 108 | 84 | |
| 890-2987-3 | MW-8A | 116 | 92 | |
| LCS 880-35552/34 | Lab Control Sample | 113 | 109 | |
| LCSD 880-35552/35 | Lab Control Sample Dup | 111 | 106 | |
| MB 880-35289/5-A | Method Blank | 104 | 93 | |
| MB 880-35552/39 | Method Blank | 103 | 91 | |
| Surrogate Legend | | | | |

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Carlsbad

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Client: Talon/LPE Job ID: 890-2987-1 Project/Site: Kimbrough SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35289/5-A

Matrix: Water Analysis Batch: 35552 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 35289

| | MB | МВ | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | 09/23/22 15:27 | 09/28/22 11:41 | |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery Quali | fier Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------------|-------------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | 70 - 130 | 09/23/22 15:27 | 09/28/22 11:41 | 1 |
| 1,4-Difluorobenzene (Surr) | 93 | 70 - 130 | 09/23/22 15:27 | 09/28/22 11:41 | 1 |

Lab Sample ID: MB 880-35552/39

Matrix: Water

Analysis Batch: 35552

Client Sample ID: Method Blank

Prep Type: Total/NA

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| • | | | |
|---|--|----|----|
| | | MB | MB |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 09/28/22 22:18 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 09/28/22 22:18 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 09/28/22 22:18 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 09/28/22 22:18 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 09/28/22 22:18 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 09/28/22 22:18 | 1 |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|---------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | | 9/28/22 22:18 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | 0 | 9/28/22 22:18 | 1 |

Lab Sample ID: LCS 880-35552/34

Matrix: Water

Analysis Batch: 35552

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

Client Sample ID: Lab Control Sample Dup

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|---------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.09190 | | mg/L | | 92 | 70 - 130 | |
| Toluene | 0.100 | 0.08395 | | mg/L | | 84 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.08364 | | mg/L | | 84 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.1715 | | mg/L | | 86 | 70 - 130 | |
| o-Xylene | 0.100 | 0.09928 | | mg/L | | 99 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 109 | 70 - 130 |

Lab Sample ID: LCSD 880-35552/35

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| atrix: Water | | | Prep Type | : Total/NA |
|----------------------|-------|-----------|-----------|------------|
| nalysis Batch: 35552 | | | | |
| | Spike | LCSD LCSD | %Rec | RPD |

Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.08742 87 70 - 130

QC Sample Results

Client: Talon/LPE Job ID: 890-2987-1 Project/Site: Kimbrough SDG: Lea County

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

Lab Sample ID: LCSD 880-35552/35

Matrix: Water

Analysis Batch: 35552

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.08031 mg/L 80 70 - 130 20 4 Ethylbenzene 0.100 0.08227 mg/L 82 70 - 130 2 20 0.200 m-Xylene & p-Xylene 0.1676 mg/L 84 70 - 130 2 20 o-Xylene 0.100 0.09709 mg/L 97 70 - 130 2 20

LCSD LCSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 111 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 |

Lab Sample ID: 880-19344-A-8 MS

Matrix: Water

Analysis Batch: 35552

Client Sample ID: Matrix Spike

Prep Type: Total/NA

MS MS %Rec Sample Sample Spike Qualifier Analyte Result Added Result Qualifier Unit %Rec Limits Benzene <0.000408 U 0.100 0.1076 108 70 - 130 mg/L 95

Toluene <0.000367 U 0.100 0.09488 70 - 130 mg/L Ethylbenzene < 0.000657 0.100 0.09307 93 70 - 130 mg/L m-Xylene & p-Xylene <0.000629 U 0.200 0.1899 95 70 - 130 mg/L o-Xylene <0.000642 U 0.100 0.1098 mg/L 110 70 - 130

MS MS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 109 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 108 | 70 - 130 |

Lab Sample ID: 880-19344-A-8 MSD

Matrix: Water

Analysis Batch: 35552

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Benzene <0.000408 U 0.100 0.1137 mg/L 114 70 - 130 5 25 Toluene < 0.000367 U 0.100 0.1008 mg/L 101 70 - 130 6 25 Ethylbenzene < 0.000657 U 0.100 0.09808 mg/L 98 70 - 130 5 25 <0.000629 U 0.200 0.2011 101 70 - 130 25 m-Xylene & p-Xylene mg/L 6 0.100 o-Xylene <0.000642 U 0.1162 mg/L 116 70 - 130 25

MSD MSD

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 107 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 108 | | 70 - 130 |

QC Association Summary

Client: Talon/LPE Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

GC VOA

Prep Batch: 35289

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-35289/5-A | Method Blank | Total/NA | Water | 5035 | |

Analysis Batch: 35552

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-2987-1 | MW-17 | Total/NA | Water | 8021B | |
| 890-2987-2 | MW-7A | Total/NA | Water | 8021B | |
| 890-2987-3 | MW-8A | Total/NA | Water | 8021B | |
| MB 880-35289/5-A | Method Blank | Total/NA | Water | 8021B | 35289 |
| MB 880-35552/39 | Method Blank | Total/NA | Water | 8021B | |
| LCS 880-35552/34 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-35552/35 | Lab Control Sample Dup | Total/NA | Water | 8021B | |
| 880-19344-A-8 MS | Matrix Spike | Total/NA | Water | 8021B | |
| 880-19344-A-8 MSD | Matrix Spike Duplicate | Total/NA | Water | 8021B | |

Analysis Batch: 35648

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-2987-1 | MW-17 | Total/NA | Water | Total BTEX | |
| 890-2987-2 | MW-7A | Total/NA | Water | Total BTEX | |
| 890-2987-3 | MW-8A | Total/NA | Water | Total BTEX | |

Client: Talon/LPE Project/Site: Kimbrough

Job ID: 890-2987-1

SDG: Lea County

Client Sample ID: MW-17

Lab Sample ID: 890-2987-1

Matrix: Water

Date Collected: 09/16/22 10:20 Date Received: 09/16/22 12:40

Client Sample ID: MW-7A

Date Collected: 09/16/22 11:00

Date Received: 09/16/22 12:40

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 35552 | 09/29/22 03:05 | MR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 35648 | 09/29/22 08:09 | AJ | EET MID |

Lab Sample ID: 890-2987-2

Matrix: Water

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 35552 09/29/22 03:25 MR Analysis 5 mL 5 mL **EET MID** Total/NA Analysis Total BTEX 1 35648 09/29/22 08:09 AJ **EET MID**

Client Sample ID: MW-8A Lab Sample ID: 890-2987-3

Date Collected: 09/16/22 09:45 **Matrix: Water**

Date Received: 09/16/22 12:40

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8021B 35552 MR EET MID Analysis 5 mL 5 mL 09/29/22 03:46 Total BTEX Total/NA Analysis 35648 09/29/22 08:09 ΑJ **EET MID**

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

Laboratory: Eurofins Midland

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

| Authority | | ogram | Identification Number | Expiration Date |
|---|---------------------------------|--|--|------------------------|
| Texas | NE | ELAP | T104704400-22-24 | 06-30-23 |
| | | | | |
| | | | | |
| The following analytes | are included in this report, bu | t the laboratory is not certific | ed by the governing authority. This list ma | ay include analytes fo |
| The following analytes the agency does not o | . , | t the laboratory is not certific | ed by the governing authority. This list ma | ay include analytes fo |
| 0 , | . , | t the laboratory is not certific Matrix | ed by the governing authority. This list ma Analyte | ay include analytes fo |

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Method Summary

Client: Talon/LPE Job ID: 890-2987-1 Project/Site: Kimbrough SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|------------|---------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 5030B | Purge and Trap | SW846 | EET 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:

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

Sample Summary

Client: Talon/LPE Job ID: 890-2987-1
Project/Site: Kimbrough SDG: Lea County

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | D |
|---------------|------------------|--------|----------------|----------------|-----|
| 890-2987-1 | MW-17 | Water | 09/16/22 10:20 | 09/16/22 12:40 | N/A |
| 890-2987-2 | MW-7A | Water | 09/16/22 11:00 | 09/16/22 12:40 | N/A |
| 890-2987-3 | MW-8A | Water | 09/16/22 09:45 | 09/16/22 12:40 | N/A |

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Relinquished by: (Signature) Mathai GANCZ

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

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| | eurofins | |
|-------|-------------|--|
| Xenco | Environment | |
| | Testing | |

Project Manager:

Bill to: (if different)

Plains All American Pipeline Attn: Camille Bryant

Company Name:

Company Name:

Talon LPE David Adkins

408 Texas St.

City, State ZIP:

Artesia, NM 88210

City, State ZIP:

SRS# 2000-10757

Reporting: Level II Level III PST/UST TRRP

Level IV

State of Project:

Program: UST/PST
PRP
Brownfields
RRC
Superfund

Work Order Comments

www.xenco.com

Page_

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Chain of Custody

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 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

| Phone: | 575-441-4835 | Email: dac | Email: dadkins@talonlpe.com | e.com | | | Deliverables: EDD | ADaPT Other: |
|-----------------------------|--|--|---|-----------|---|------------------------------------|---|---|
| Project Name: | Kimbrough | Turn Around | und | | | ANALYSIS REQ | EQUEST | Preservative Codes |
| Project Number: | i c | ✓ Routine | _ | Pres. | | | | None: NO DI Water: H ₂ O |
| Project Location: | Lea, County | Due Date: | | | | | | Cool: Cool MeOH: Me |
| Sampler's Name: | M. Lomez, K. Taulor | TAT starts the day received by | received by | | | | | HCL: HC HNO3: HN |
| PO#: | SRS# 2000-10757 | the lab, if received by 4:30pm | d by 4:30pm | rs | | | | H ₂ SO ₄ : H ₂ NaOH: Na |
| SAMPLE RECEIPT | PT Temp Blank: Yes No | Wet Ice: | (Yes) No | nete | | | | H₃PO₄: HP |
| Samples Received Intact | (| 7 | FORMEN | ıran | | | | NaHSO ₄ : NABIS |
| Cooler Custody Seals: | Yes No NA Correction Factor | | 0.0 | Pa | | | | Na ₂ S ₂ O ₃ : NaSO ₃ |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: 3 | 3.6 | | | 890-2987 Chain of C | of Custody | Zn Acetate+NaOH: Zn |
| Total Containers: | | Corrected Temperature: 3 | 1 | | 0218 | - | - | NaOH+Ascorbic Acid: SAPC |
| Sample Identification | tification Matrix Sampled | Time De | Depth Grab/ | # of | BTEX 8 | | | Sample Comments |
| MW-17 | 22/11/2 WB | 10:20 | N/A | W | × | | | Email Analyticals to: |
| MW-7A | - | 11:00 | | | | | | CJBryant@paalp.com |
| MW- 84 | | 4:45 | | - | | | | Maochoa@paalp.com |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | - | | | | |
| Total 200.7 / 6010 | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As | Texas 11 | Al Sb | Ba Be B Cd Ca | Cr Co Cu Fe Pb I | Mg Mn Mo Ni K Se Ag | Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn |
| Circle Method(s) an | Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | 6010: 8RC | ш | Sb As Ba Be Cd Cr Co | Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U | | Hg: 1631 / 245.1 / 7470 / 7471 |
| Notice: Signature of this d | 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 | stitutes a valid purchas id shall not assume an | se order from clie y responsibility fo | nt compar | y to Eurofins Xenco, its affiliates es or expenses incurred by the c | s and subcontractors. It a | are due to circumstances beyond the control | ons ntrol |
| of Eurofins Xenco. A mini | of Eurolins Xenco. A minimum charge of \$65,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurolins Xenco, but flor analysed, these terms will be entired unless increasely inspenses. | project and a charge | Of \$5 for each sai | nous aidu | itted to Eurolliis Aerico, Sariist | aralyzed. Hiese telms mi | in per cilional dilicas bioxio | S Constant |

Carlsbad, NM 88220

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Eurofins Carlsbad 1089 N Canal St

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Chain of Custody Record

🐫 eurofins

Environment Testing
America

State, Zip TX, 79701 vote: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subconfract laboratories. This sample shipment is forwarded under chain-of-custody. If the aboratory 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 Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central. LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC. MW-8A (890-2987-3) MW-7A (890-2987-2) MW-17 (890-2987-1) Sample Identification - Client ID (Lab ID) Empty Kit Relinquished by Possible Hazard Identification kımbrough Midland Deliverable Requested I II III IV Other (specify) 432-704-5440(Tel) 1211 W Florida Ave Eurofins Environment Testing South Cente Shipping/Receiving Phone 575-988-3199 Fax: 575-988-3199 elinquished by elinquished by linquished by oject Name lient Information Ce Ce (Sub Contract Lab) Custody Seal No Project #: 89000047 Date/Time Primary Deliverable Rank Sample ⊃ate/Time WO# PO# FAT Requested (days): Due Date Requested hone 9/16/22 9/16/22 9/16/22 Date Mountain 09 45 Mountain 11 00 Mountain Sample Time 10 20 (C=comp, G=grab) Sample Preservation Code Type Company Company Company Matrix Water Water Water Kramer Jessica Lab PM Jessica Kramer@et.eurofinsus.com I ime: **NELAP** - Texas Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Perform MS/MSD (Yes or No) Special Instructions/QC Requirements tations Required (See note): 8021B/5030B (MOD) BTEX Cooler Temperature(s) °C and Other Remarks Received by × × × × × Total BTEX GCV × Analysis Requested State of Origin New Mexico Nethod of Shipment Date/Time Date/Time ω ω w Total Number of containers A HCL
B-NaOH
C Zn Acetate
D Nitric Acid
F NaHSOA
F NaCH
G Ameth
G Ameth
H Ascorbic Acid
I loe
J DI Water
K EDTA
L EDA COC No: 890-926 1 Page 1 of 1 Preservation Codes 890-2987-1 Special Instructions/Note: U - Acetone
V MCAA
W - pH 4-5
Y Trizma
Z other (spe M - Hexane
N - None
O - AsNaO2
P Na2O4S
Q - Na2SO3
R Na2S2O3 S - H2SO4 T TSP Dodecahydrate Company Company Company other (specify)

Ver-

06/08/2021

Login Sample Receipt Checklist

Client: Talon/LPE Job Number: 890-2987-1 SDG Number: Lea County

Login Number: 2987 List Source: Eurofins 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: 890-2987-1

SDG Number: Lea County

Login Number: 2987
List Source: Eurofins Midland
List Number: 2
List Creation: 09/19/22 08:28 AM

Creator: Teel, Brianna

| 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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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: David Adkins Talon/LPE 408 W. Texas St. Artesia, New Mexico 88210

Generated 12/20/2022 11:12:57 AM

JOB DESCRIPTION

Kimbrough SDG NUMBER Lea County

JOB NUMBER

890-3584-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 12/20/2022 11:12:57 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Client: Talon/LPE
Project/Site: Kimbrough

Laboratory Job ID: 890-3584-1 SDG: Lea County

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 3 |
| Definitions/Glossary | 4 |
| Case Narrative | 5 |
| Client Sample Results | 6 |
| Surrogate Summary | 9 |
| QC Sample Results | 10 |
| QC Association Summary | 12 |
| Lab Chronicle | 13 |
| Certification Summary | 15 |
| Method Summary | 16 |
| Sample Summary | 17 |
| Chain of Custody | 18 |
| Receipt Chacklists | 10 |

2

3

4

6

8

9

11

13

Definitions/Glossary

Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

Qualifiers

GC VOA

Qualifier **Qualifier Description** Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

Glossary

CNF

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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

Contains No Free Liquid

EDL Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) LOD LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCI MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

Job ID: 890-3584-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-3584-1

Receipt

The samples were received on 12/6/2022 3:27 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 5.8°C

GC VOA

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

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Client Sample Results

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-1A

Lab Sample ID: 890-3584-1

Matrix: Water

Date Collected: 12/06/22 11:59 Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/20/22 04:04 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/20/22 04:04 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/20/22 04:04 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/20/22 04:04 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/20/22 04:04 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/20/22 04:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | - | | 12/20/22 04:04 | 1 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 | | | | | 12/20/22 04:04 | 1 |
| - Method: TAL SOP Total BTEX | - Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | |

Client Sample ID: MW-7A Lab Sample ID: 890-3584-2

Date Collected: 12/06/22 13:15 Matrix: Water

Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/20/22 04:24 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/20/22 04:24 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/20/22 04:24 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/20/22 04:24 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/20/22 04:24 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/20/22 04:24 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | | | _ | | 12/20/22 04:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | | | | | 12/20/22 04:24 | 1 |
| Method: TAL SOP Total BTEX | - Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | |

Client Sample ID: MW-8A

Date Collected: 12/06/22 13:55

Lab Sample ID: 890-3584-3

Matrix: Water

Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | 0.000657 | J | 0.00200 | 0.000408 | mg/L | | | 12/20/22 04:44 | 1 |
| Toluene | 0.000378 | J | 0.00200 | 0.000367 | mg/L | | | 12/20/22 04:44 | 1 |
| Ethylbenzene | 0.00280 | | 0.00200 | 0.000657 | mg/L | | | 12/20/22 04:44 | 1 |
| m-Xylene & p-Xylene | 0.00495 | | 0.00400 | 0.000629 | mg/L | | | 12/20/22 04:44 | 1 |
| o-Xylene | 0.00188 | J | 0.00200 | 0.000642 | mg/L | | | 12/20/22 04:44 | 1 |
| Xylenes, Total | 0.00683 | | 0.00400 | 0.000642 | mg/L | | | 12/20/22 04:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | - | | 12/20/22 04:44 | 1 |
| 1.4-Difluorobenzene (Surr) | 104 | | 70 - 130 | | | | | 12/20/22 04:44 | 1 |

Job ID: 890-3584-1

Client: Talon/LPE Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-8A

Date Collected: 12/06/22 13:55 Date Received: 12/06/22 15:27

Lab Sample ID: 890-3584-3

Matrix: Water

| Method: TAL SOP Total BTEX - Total | al BTEX Calculation | | | | | | | |
|------------------------------------|---------------------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | 0.0107 | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | 1 |

Client Sample ID: MW-16 Lab Sample ID: 890-3584-4 Date Collected: 12/06/22 12:08 **Matrix: Water**

Date Received: 12/06/22 15:27

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac D Prepared Benzene <0.000408 U 0.00200 0.000408 12/20/22 05:05 mg/L Toluene 0.000367 mg/L <0.000367 U 0.00200 12/20/22 05:05 Ethylbenzene <0.000657 U 0.00200 0.000657 mg/L 12/20/22 05:05 m-Xylene & p-Xylene <0.000629 U 0.00400 0.000629 mg/L 12/20/22 05:05 o-Xylene <0.000642 U 0.00200 0.000642 mg/L 12/20/22 05:05 Xylenes, Total <0.000642 U 0.00400 0.000642 mg/L 12/20/22 05:05 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 101 70 - 130 12/20/22 05:05 1,4-Difluorobenzene (Surr) 12/20/22 05:05 100 70 - 130

| ı | Method: TAL SOP Total BTEX - Total | BTEX Cal | culation | | | | | | | |
|---|------------------------------------|-----------------|-----------|---------|----------|------|---|----------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| l | Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | 1 |

Client Sample ID: MW-17 Lab Sample ID: 890-3584-5 Date Collected: 12/06/22 11:04 **Matrix: Water**

Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/20/22 05:25 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/20/22 05:25 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/20/22 05:25 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/20/22 05:25 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/20/22 05:25 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/20/22 05:25 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | | | - | | 12/20/22 05:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | | | | | 12/20/22 05:25 | 1 |

| Method: TAL SOP Total BTEX - To | tal BTEX Cald | culation | | | | | | | |
|---------------------------------|---------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | 1 |

Client Sample ID: MW-18 Lab Sample ID: 890-3584-6 **Matrix: Water**

Date Collected: 12/06/22 11:30 Date Received: 12/06/22 15:27

| Method: SW846 8021B - Volatile O | rganic Comp | ounds (GC) | | | | | | | |
|----------------------------------|-------------|------------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/20/22 05:46 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/20/22 05:46 | 1 |

Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-18 Lab Sample ID: 890-3584-6 Date Collected: 12/06/22 11:30 Matrix: Water

Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/20/22 05:46 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/20/22 05:46 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/20/22 05:46 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/20/22 05:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | | | | | 12/20/22 05:46 | 1 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | | | | | 12/20/22 05:46 | 1 |

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Total BTEX 12/20/22 11:47 <0.000657 U 0.00400 0.000657 mg/L

Client Sample ID: MW-19 Lab Sample ID: 890-3584-7 Date Collected: 12/06/22 13:22 **Matrix: Water**

Date Received: 12/06/22 15:27

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/20/22 06:06 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/20/22 06:06 | 1 |
| Ethylbenzene | < 0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/20/22 06:06 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/20/22 06:06 | 1 |
| o-Xylene | < 0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/20/22 06:06 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/20/22 06:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | | | - | | 12/20/22 06:06 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | | | 12/20/22 06:06 | 1 |
| Method: TAL SOP Total BTEX | - Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.000657 | U | 0.00400 | 0.000657 | mg/L | | | 12/20/22 11:47 | |

Surrogate Summary

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water Prep Type: Total/NA

| | | DED4 | DED=4 | Percent Surrogate Recovery (Acceptance Limits) |
|-------------------|------------------------|----------|----------|--|
| | | BFB1 | DFBZ1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 890-3584-1 | MW-1A | 106 | 106 | |
| 890-3584-2 | MW-7A | 102 | 101 | |
| 890-3584-3 | MW-8A | 106 | 104 | |
| 890-3584-4 | MW-16 | 101 | 100 | |
| 890-3584-5 | MW-17 | 97 | 105 | |
| 890-3584-6 | MW-18 | 106 | 101 | |
| 890-3584-7 | MW-19 | 109 | 97 | |
| LCS 880-42128/34 | Lab Control Sample | 111 | 117 | |
| LCSD 880-42128/35 | Lab Control Sample Dup | 120 | 110 | |
| MB 880-42094/5-A | Method Blank | 87 | 105 | |
| | Method Blank | 94 | 102 | |

DFBZ = 1,4-Difluorobenzene (Surr)

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Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42094/5-A

Matrix: Water Analysis Batch: 42128 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42094

| | МВ | MB | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| Xylenes, Total | <0.000642 | U | 0.00400 | 0.000642 | mg/L | | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87 | | 70 - 130 | 12/17/22 15:56 | 12/19/22 11:41 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | 12/17/22 15:56 | 12/19/22 11:41 | 1 |

Lab Sample ID: MB 880-42128/39 **Matrix: Water**

Analysis Batch: 42128

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

| | IVID | IVID | | | | | | | |
|---------------------|------------|-----------|---------|----------|------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000408 | U | 0.00200 | 0.000408 | mg/L | | | 12/19/22 22:15 | 1 |
| Toluene | < 0.000367 | U | 0.00200 | 0.000367 | mg/L | | | 12/19/22 22:15 | 1 |
| Ethylbenzene | <0.000657 | U | 0.00200 | 0.000657 | mg/L | | | 12/19/22 22:15 | 1 |
| m-Xylene & p-Xylene | <0.000629 | U | 0.00400 | 0.000629 | mg/L | | | 12/19/22 22:15 | 1 |
| o-Xylene | <0.000642 | U | 0.00200 | 0.000642 | mg/L | | | 12/19/22 22:15 | 1 |
| Xylenes, Total | < 0.000642 | U | 0.00400 | 0.000642 | mg/L | | | 12/19/22 22:15 | 1 |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 | | 12/19/22 22:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | 12/19/22 22:15 | 1 |

Lab Sample ID: LCS 880-42128/34

Matrix: Water

Analysis Batch: 42128

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

Client Sample ID: Lab Control Sample Dup

Limits

70 - 130

%Rec

105

| | Spike | LCS | LCS | | | | %Rec | |
|---------------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.100 | 0.1071 | | mg/L | | 107 | 70 - 130 | |
| Toluene | 0.100 | 0.1000 | | mg/L | | 100 | 70 - 130 | |
| Ethylbenzene | 0.100 | 0.1042 | | mg/L | | 104 | 70 - 130 | |
| m-Xylene & p-Xylene | 0.200 | 0.2172 | | mg/L | | 109 | 70 - 130 | |
| o-Xylene | 0.100 | 0.1090 | | mg/L | | 109 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 111 | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 117 | 70 - 130 |

Lab Sample ID: LCSD 880-42128/35

M

Analyte

Benzene

| Matrix: Water | | | Prep Type: Tot | al/NA |
|-----------------------|-------|-----------|----------------|-------|
| Analysis Batch: 42128 | | | | |
| | Spike | LCSD LCSD | %Rec | RPD |

Result Qualifier

0.1045

Unit

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RPD

Limit

Added

0.100

QC Sample Results

Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

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

Lab Sample ID: LCSD 880-42128/35

Matrix: Water

Analysis Batch: 42128

Client Sample ID: Lab Control Sample Dup

| Prep | Type: | Total/NA | |
|------|-------|----------|--|

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|---------------------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Toluene | 0.100 | 0.1089 | | mg/L | | 109 | 70 - 130 | 8 | 20 |
| Ethylbenzene | 0.100 | 0.1205 | | mg/L | | 120 | 70 - 130 | 14 | 20 |
| m-Xylene & p-Xylene | 0.200 | 0.2577 | | mg/L | | 129 | 70 - 130 | 17 | 20 |
| o-Xylene | 0.100 | 0.1290 | | mg/L | | 129 | 70 - 130 | 17 | 20 |
| o-Xylene | 0.100 | 0.1290 | | mg/L | | 129 | 70 - 130 | 17 | 2 |

LCSD LCSD

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 120 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 110 | 70 - 130 |

QC Association Summary

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

GC VOA

Prep Batch: 42094

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-42094/5-A | Method Blank | Total/NA | Water | 5035 | |

Analysis Batch: 42128

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 890-3584-1 | MW-1A | Total/NA | Water | 8021B | |
| 890-3584-2 | MW-7A | Total/NA | Water | 8021B | |
| 890-3584-3 | MW-8A | Total/NA | Water | 8021B | |
| 890-3584-4 | MW-16 | Total/NA | Water | 8021B | |
| 890-3584-5 | MW-17 | Total/NA | Water | 8021B | |
| 890-3584-6 | MW-18 | Total/NA | Water | 8021B | |
| 890-3584-7 | MW-19 | Total/NA | Water | 8021B | |
| MB 880-42094/5-A | Method Blank | Total/NA | Water | 8021B | 42094 |
| MB 880-42128/39 | Method Blank | Total/NA | Water | 8021B | |
| LCS 880-42128/34 | Lab Control Sample | Total/NA | Water | 8021B | |
| LCSD 880-42128/35 | Lab Control Sample Dup | Total/NA | Water | 8021B | |

Analysis Batch: 42301

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3584-1 | MW-1A | Total/NA | Water | Total BTEX | |
| 890-3584-2 | MW-7A | Total/NA | Water | Total BTEX | |
| 890-3584-3 | MW-8A | Total/NA | Water | Total BTEX | |
| 890-3584-4 | MW-16 | Total/NA | Water | Total BTEX | |
| 890-3584-5 | MW-17 | Total/NA | Water | Total BTEX | |
| 890-3584-6 | MW-18 | Total/NA | Water | Total BTEX | |
| 890-3584-7 | MW-19 | Total/NA | Water | Total BTEX | |

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Client: Talon/LPE Project/Site: Kimbrough Job ID: 890-3584-1

SDG: Lea County

Client Sample ID: MW-1A

Date Collected: 12/06/22 11:59 Date Received: 12/06/22 15:27 Lab Sample ID: 890-3584-1

Matrix: Water

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 04:04 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Client Sample ID: MW-7A Lab Sample ID: 890-3584-2

Matrix: Water Date Collected: 12/06/22 13:15

Date Received: 12/06/22 15:27

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 04:24 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Client Sample ID: MW-8A Lab Sample ID: 890-3584-3

Date Collected: 12/06/22 13:55 **Matrix: Water**

Date Received: 12/06/22 15:27

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 04:44 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Client Sample ID: MW-16 Lab Sample ID: 890-3584-4 **Matrix: Water**

Date Collected: 12/06/22 12:08 Date Received: 12/06/22 15:27

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 05:05 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Client Sample ID: MW-17 Lab Sample ID: 890-3584-5 **Matrix: Water**

Date Collected: 12/06/22 11:04 Date Received: 12/06/22 15:27

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 05:25 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Client Sample ID: MW-18 Lab Sample ID: 890-3584-6

Matrix: Water Date Collected: 12/06/22 11:30 Date Received: 12/06/22 15:27

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 05:46 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Lab Chronicle

Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

Client Sample ID: MW-19

Date Received: 12/06/22 15:27

Lab Sample ID: 890-3584-7 Date Collected: 12/06/22 13:22

Matrix: Water

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 42128 | 12/20/22 06:06 | SM | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 42301 | 12/20/22 11:47 | SM | EET MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

Laboratory: Eurofins Midland

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

| Authority | Pr | ogram | Identification Number | Expiration Date 06-30-23 | |
|---|------------------------------------|----------------------------------|---|---------------------------|--|
| Texas | NE | ELAP | T104704400-22-24 | | |
| The following analytes | are included in this report, but | it the laboratory is not cortifi | ed by the governing authority. This list ma | v include analytes fo | |
| The following analytes | are included in this report, bu | it the laboratory is not certifi | ed by the governing authority. This list ma | av illiciuue allaivies it | |
| | | | | , | |
| the agency does not of | fer certification. | | | , | |
| the agency does not of Analysis Method | fer certification . Prep Method | Matrix | Analyte | , | |

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Method Summary

Client: Talon/LPE Job ID: 890-3584-1 Project/Site: Kimbrough SDG: Lea County

| Method | Method Description | Protocol | Laboratory |
|------------|---------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 5030B | Purge and Trap | SW846 | EET 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:

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

MW-19

890-3584-7

Sample Summary

Client: Talon/LPE Job ID: 890-3584-1
Project/Site: Kimbrough SDG: Lea County

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 890-3584-1 | MW-1A | Water | 12/06/22 11:59 | 12/06/22 15:27 |
| 890-3584-2 | MW-7A | Water | 12/06/22 13:15 | 12/06/22 15:27 |
| 890-3584-3 | MW-8A | Water | 12/06/22 13:55 | 12/06/22 15:27 |
| 890-3584-4 | MW-16 | Water | 12/06/22 12:08 | 12/06/22 15:27 |
| 890-3584-5 | MW-17 | Water | 12/06/22 11:04 | 12/06/22 15:27 |
| 890-3584-6 | MW-18 | Water | 12/06/22 11:30 | 12/06/22 15:27 |

Water

12/06/22 13:22

12/06/22 15:27

1

3

4

6

8

9

44

12

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 /

TCLP / SPLP 6010: 8RCF

MWS

1308

222

1385

1315

5 2

M 63-1 MW

Circle Method(s) and Metal(s) to be analyzed

Relinquished by: (Signature)

10000

reply Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Received by: (Signature)

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ice: 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

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eurofins Xenco **Environment Testing**

Project Manager:

Company Name:

City, State ZIP

575-441-4835 Artesia, NM 88210 408 Texas St Talon LPE David Adkins

Email: dadkins@talonlp

Address:

City, State ZIP.

Bill to: (if different)

Plains All American Pipeline

Company Name:

ddress:

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1; Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

| | | 296 |
|---|---------------------|-----------------------|
| Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ | Work Order Comments | www.xenco.com Page of |

Work Order No:

| co | SRS# 2000-10757 Reporting: Level II Level III PST/UST LITER L | PST/UST TRRP Level IV |
|----------|---|---|
| e.com | e.com, mgomez@talonipe.com Deliverables: EDD A | ADaPT Other |
| | ANALYSIS REQUEST | Preservative Codes |
| res. | | None: NO DI Water: H ₂ O |
| | | Cool: Cool MeOH: Me |
| 'S | - | N |
| eter | | H ₃ PO ₄ : HP |
| ram | | NaHSO ₄ : NABIS |
| Pa | | Na ₂ S ₂ O ₃ : NaSO ₃ |
| | | Zn Acetate+NaOH: Zn |
| | 890-3584 Chain of Custody | NaOH+Ascorbic Acid: SAPC |
| ont | BTEX 8 | Sample Comments |
| <i>γ</i> | * | Email Analyticals to: |
| Λ) | K | CJBryant@paalp.com |
| 21 | X | Maochoa@paalp.com |
| - | <i>X</i> - | |
| | X- | |
| γ, | X | |
| W | X | |
| - | | |
| 1 | | |
| Sh As | As Be B Cd Ca Cr Co Cii Fe Ph Mo Mn Mo Ni K Se Ao SiO, | Na Sr TI Sn U V Zn |
| | Bo Bo Cd Cr Co C: Bb Ma No Ni Se An Till | 1245 1 |
| S | OD AS DA DE CO CI CO CO FO WILL MO IN SETA IT O | |

SAMPLE RECEIPT

Temp Blank: SRS# 2000-10757

(Yes) No Thermometer ID:

Wet Ice:

3

No

Birec

Cooler Custody Seals: amples Received Intact:

Yes No XX

Correction Factor:

Corrected Temperature Temperature Reading: (Yes) No

ample Custody Seals:

Yes

N_O

otal Containers:

Sample Identification

Matrix GW

Sampled

Sampled

Date

Time

Depth

Comp Grab/

xcc-c

1159

NA

Sampler's Name:

roject Location:

Lea, County

Due Date:

Routine

Rush

Turn Around

TAT starts the day received by the lab, if received by 4:30pm

Project Number

roject Name:

Kimbrough

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3584-1

SDG Number: Lea County

Login Number: 3584 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

| 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 | |

2

3

4

6

0

10

12

Login Sample Receipt Checklist

Client: Talon/LPE

Job Number: 890-3584-1

SDG Number: Lea County

List Source: Eurofins Midland
List Number: 2
List Creation: 12/08/22 11:47 AM

Creator: Rodriguez, Leticia

| Question | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| 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 | |
| s 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 | True | |

4

2

3

4

6

8

10

12

13

14

<6mm (1/4").

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

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 202758

CONDITIONS

| Operator: | OGRID: |
|----------------------------|--|
| PLAINS MARKETING L.P. | 34053 |
| 333 Clay Street Suite 1900 | Action Number: |
| Houston, TX 77002 | 202758 |
| | Action Type: |
| | [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By | | Condition Date |
|------------------|--|-------------------|
| michael.buchanan | Review of the 2022 Annual Groundwater Monitoring Report for Kimbrough Sweet 8": Content Satisfactory 1. Continue PSH on a monthly basis by MDPE events. 2. Continue to conduct quarterly groundwater monitoring events. 3. Submit the 2023 Annual Groundwater Monitoring Report to NMOCD by or before April 1, 2024. | 8/14/2023 |