

**TETRA TECH**

May 11, 2020

Dylan Rose-Coss  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: 2019 Groundwater Sampling and MW-1R Pumping Report**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery,**  
**Section 22, Township 22 South, Range 37 East,**  
**Lea County, New Mexico.**  
**NMOCD Abatement Plan (AP-088)**

Mr. Rose-Coss,

This report summarizes the results of the quarterly sampling and quarterly pumping events for monitor well MW-1R which occurred during 2019 for the E. M. Elliott Tank Battery (Site). The Site is located in Lea County, Section 22, Township 22 South, Range 37 East, approximately 4 miles south of Eunice, New Mexico. The GPS coordinates for the Site are 32.38266°N, 103.15517°W. Prior to OXY USA, Inc. (OXY) acquiring the property in March 2018, the facility was operated by Plains Exploration and Production (PXP), Pogo Producing Company (Pogo), and Latigo Petroleum, Inc. (Latigo). The Site location is shown on **Figures 1 and 2**.

### **FACILITY BACKGROUND**

As part of a due diligence assessment for Pogo, the Site was inspected and soil sampling was performed to investigate areas where visual evidence of historic spills was observed.

Four impacted areas were investigated north and south of the facility and inside the containment dike. One auger hole and one borehole were installed in an area measuring 25' x 30'. One auger hole was placed in the second impacted area measuring 10' x 10'. Two auger holes were placed in a third impacted area measuring 6' x 15'. The auger holes could only be advanced to depths of 1.0'-1.5' below ground surface (bgs) due to the presence of a dense caliche layer. Elevated chloride concentrations were detected in three of the six auger hole samples analyzed. Total Petroleum Hydrocarbon (TPH) concentrations were above the New Mexico Oil Conservation Division (OCD) Recommended Remedial Action Level (RRAL) of 5,000 milligrams per kilogram all six of the auger holes. Auger holes AH-1, AH-4 and AH-6 had TPH concentrations above the RRAL on the 0-1.0' sample, which declined to below the RRAL in the 1.0'-1.5' samples. Access was restricted inside the dike; therefore, the borehole BH-1 was drilled just outside the dike, close to AH-1, AH-2 and AH-5. In BH-1, the TPH concentrations declined to below the RRAL in the 30'-32' sample.

Tetra Tech

901 W. Wall Street, Suite 100 Midland, TX 79701  
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

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Based on the results, borehole BH-1 was converted to a temporary 2-inch monitor well. Groundwater was encountered at approximately 70 feet below the top of casing (TOC). On September 25, 2006 and May 15, 2007, the temporary well was purged and sampled for analyses of chlorides and benzene, toluene, ethylbenzene and xylenes (BTEX). Chloride concentrations exceeded New Mexico Water Quality Control Commission (NMWQCC) standard of 250 milligrams per liter (mg/L) while BTEX concentrations were below the NMWQCC standards.

In accordance with NM Rule 116 the OCD Environmental Bureau director was notified in writing on June 25, 2007 of groundwater impact at the Site. The OCD responded with a request for a Stage 1 Abatement Plan for the facility.

On July 9, 2008, a Stage 1 Abatement Plan addressing the soil and groundwater impacts at the Site was submitted to the OCD-Santa Fe, New Mexico office. The Stage 1 Abatement Plan concluded that chloride concentrations in groundwater had not been delineated and that no BTEX constituents exceeded NMWQCC standards. No receptors were found in the vicinity of the Site. Quarterly groundwater gauging and sampling was proposed to commence during the third quarter of 2008. Additional monitor wells were proposed to delineate the chloride impacts to groundwater.

On September 12, 2011, monitor wells MW-2 and MW-3 were installed down gradient and up gradient, respectively, from monitor well MW-1. Monitor wells MW-4 and MW-5 were installed on September 7, 2016 for cross gradient delineation. On September 8, 2016, monitor well MW-1R was drilled as a replacement for monitor well MW-1. Monitor well MW-1R was constructed as a 4-inch diameter well for potential use as a groundwater recovery well. Monitor well MW-1 was plugged on September 12, 2016.

### **GAUGING AND MONITOR WELL SAMPLING**

All five monitor wells at the site (MW-1R, MW-2, MW-3, MW-4, and MW-5) were sampled on a quarterly basis during 2019. During each groundwater sampling event, the monitor wells were gauged with an electronic water level meter. The gauging data is summarized in **Table 1**. No Phase Separated Hydrocarbons (PSH) were measured in any of the monitor wells. The hydraulic gradient was generally to the southeast during each of the sampling events. Potentiometric gradient maps for each of the quarterly sampling events in 2019 are included as **Figures 4 through 7**.

During each groundwater sampling event, the monitor wells were purged to remove approximately three well casing volumes of water using disposable rope or twine with a new polyethylene bailer for each well. The sample bottles were filled directly from the bailers. The sample bottles were placed on ice and shipped under proper chain-of-custody control to ALS Laboratories of Houston, Texas for analysis of BTEX by EPA Method SW8260 and chlorides by EPA Method E300.

Analytical results indicate that BTEX concentrations were below method detection limits during all of the sampling events. All BTEX method detection limits values were below New Mexico Water Quality Control Commission (NMWQCC) standards.

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Chloride analytical results for monitor wells MW-2, MW-3 and MW-5 were below NMWQCC standards during each of the four 2019 sampling events. The chloride analytical results for monitor well MW-1R and MW-4 exceeded the NMWQCC standards during each of the four 2019 sampling events. Chloride concentrations in monitor well MW-4 ranged from 933 mg/L on August 7, 2019 to 1,010 mg/L on February 8, 2019 which are within the range of previously detected concentrations.

Chloride concentrations in monitor well MW-1R ranged from 608 mg/L on February 8, 2019 to 9,020 mg/L on May 8, 2019. The 608 mg/L chloride concentration detected in monitor well MW-1R on February 8, 2019 was approximately an order of magnitude lower than any concentrations detected in that well before and after that date. The water level elevation in monitor well MW-1R was higher on February 8, 2019 than on the other three 2019 sampling dates. While there appears to be some indications of an inverse correlation between groundwater elevation and chloride concentrations in monitor well MW-1R, the 608 mg/L concentration is lower than would be expected solely based on an increased groundwater elevation and therefore appears to be an anomalous value. All other chloride concentrations detected in monitor well MW-1R during 2019 were within the range of previously detected concentrations.

Graphs of chloride concentrations versus groundwater elevations for each of the monitor wells are included in Appendix A. The graphs for monitor wells MW-2, MW-3, and MW-5 indicate generally stable chloride concentration trends. For the two monitor wells with chloride concentrations exceeding the NMWQCC standards, monitor well MW-4 exhibits a generally stable trend during the reporting period and monitor well MW-1R has a generally decreasing trend following the maximum detected chloride concentration of 12,500 mg/L on November 20, 2017 falling to a concentration of 7,870 mg/L on November 15, 2019.

Chloride concentration maps for the four quarterly monitoring events in 2019 are included as **Figures 8 through 11**. The groundwater analytical data is summarized in **Table 2**. Copies of the laboratory analytical reports are included in **Appendix B**.

### **QUARTERLY PUMPING OF MONITOR WELL MW-1R**

Monitor well MW-1R was pumped dry on a quarterly basis during 2019 to recover chloride impacted groundwater. A total of approximately 64 gallons of groundwater was recovered in 2019. All recovered groundwater is temporarily stored onsite in 55-gallon drums prior to being transported and disposed of offsite. Quarterly pumping of monitor well MW-1R appears to be decreasing the chloride concentrations in this well as is indicated in the graph of chloride concentrations over time for monitor well MW-1R which is included in **Appendix A**.

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## **CONCLUSIONS**

1. Analytical results indicate that BTEX concentrations were below method detection limits each of the quarterly sampling events in 2019. All BTEX method detection limits values were below NMWQCC standards.
2. PSH has never been measured in any monitor wells at this Site.
3. Chloride analytical results for monitor wells MW-2, MW-3 and MW-5 were below NMWQCC standards during each of the 2019 sampling events.
4. The graphs for monitor wells MW-2, MW-3, and MW-5 indicate generally stable chloride concentration trends.
5. The chloride analytical results for monitor well MW-1R and MW-4 exceeded the NMWQCC standards during each of the four 2019 sampling events.
6. Monitor well MW-4 chloride concentrations exhibit a generally stable trend during the reporting period. Monitor well MW-1R chloride concentrations exhibit a generally decreasing trend following the maximum detected chloride concentration of 12,500 mg/L on November 20, 2017, falling to a concentration of 7,870 mg/L on November 15, 2019.
7. Quarterly pumping of monitor well MW-1R appears to be decreasing the chloride concentrations in this well

## **PROPOSED 2020 GROUNDWATER MONITORING PROGRAM**

Continued quarterly groundwater monitoring and quarterly pumping of monitor well MW-1R is proposed for 2020.

If you have any questions or comments concerning this report, please feel free to contact Ray Cheatham at (713) 203-0852.

Respectfully submitted,  
Tetra Tech, Inc.

A handwritten signature in black ink that reads "Ray Cheatham".

Ray Cheatham  
Principal Geologist

Reviewed by:

A handwritten signature in blue ink that reads "Greg W. Pope".

Greg W. Pope  
Principal Geologist

**Attachments:**

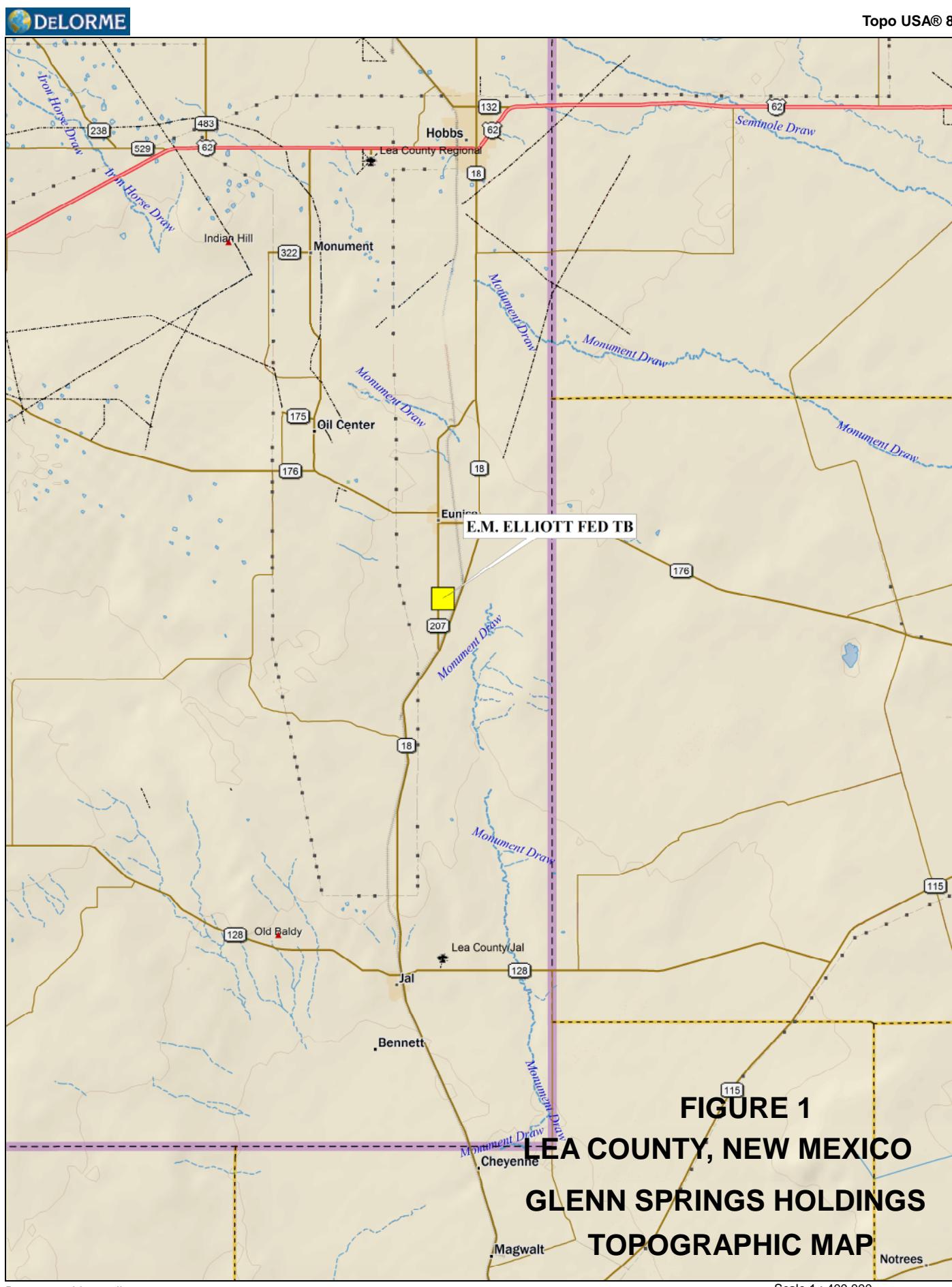
Figures  
Tables  
Appendix A – Graphs  
Appendix B – Lab Reports

**cc:** Dusty Wilson – Glenn Springs Holdings, Inc.

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## Figures

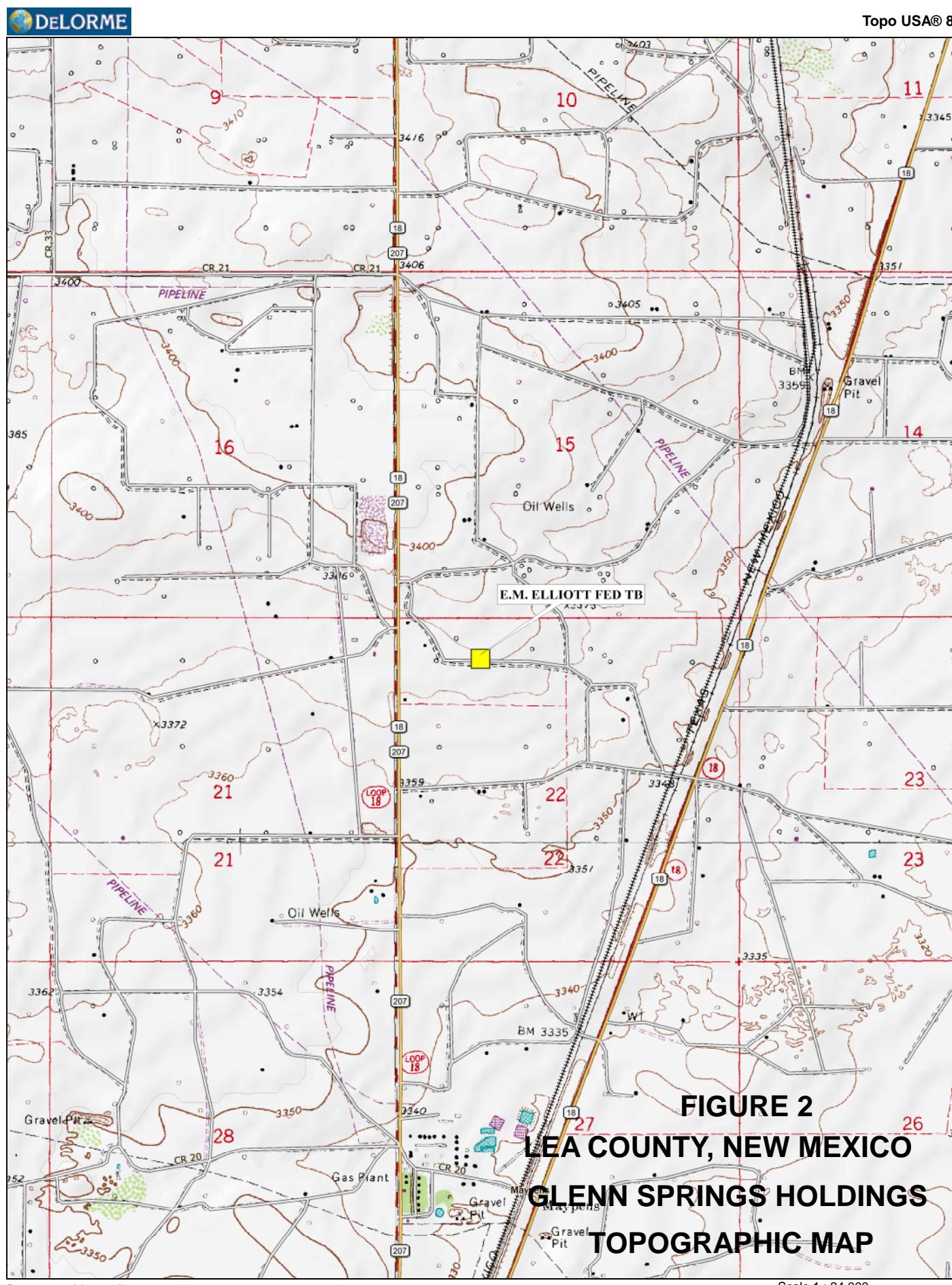
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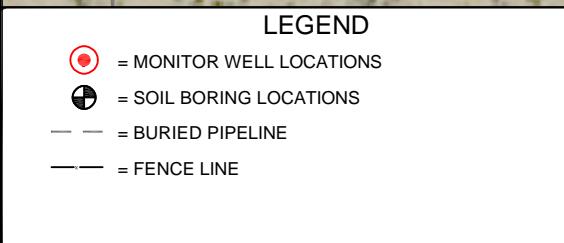
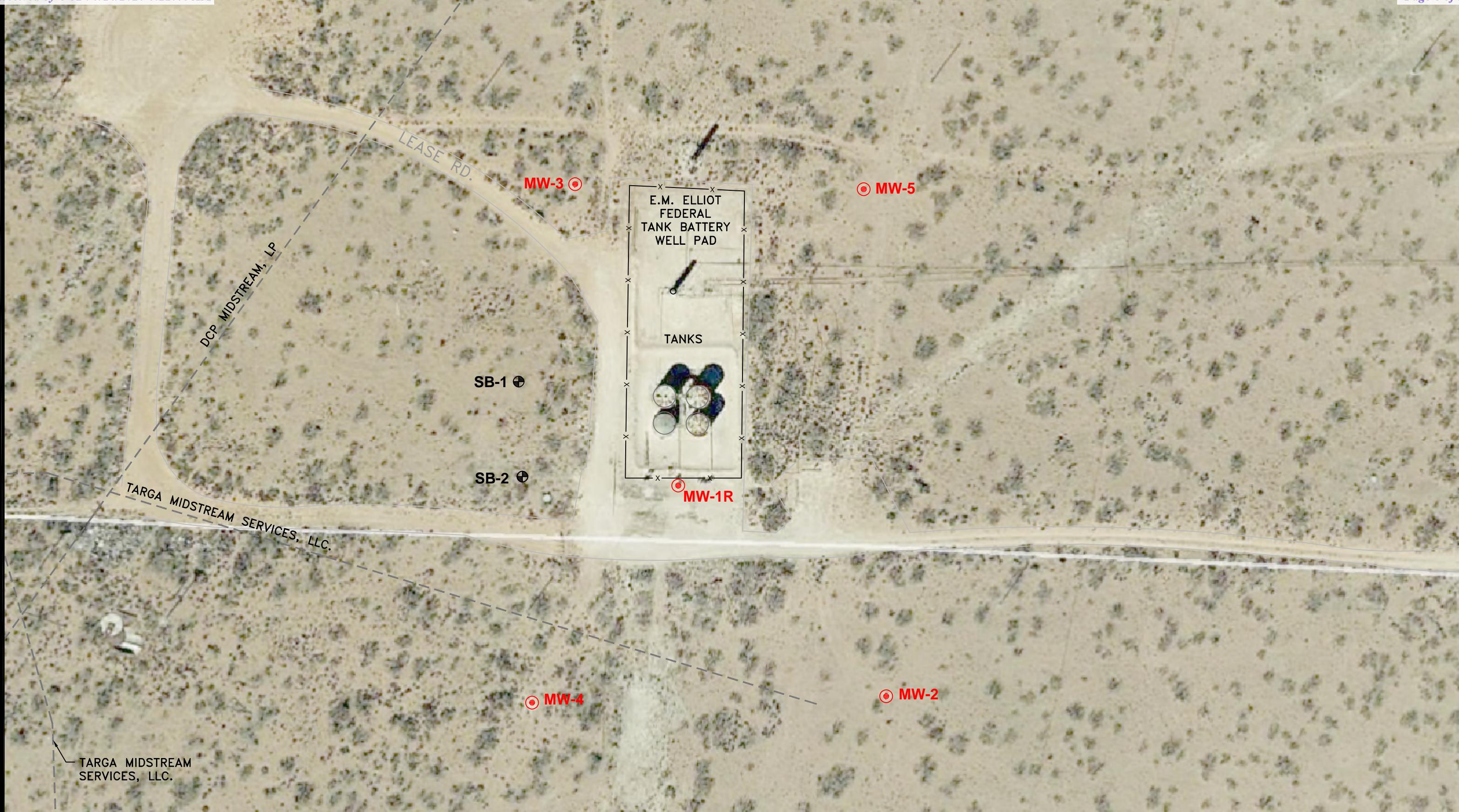
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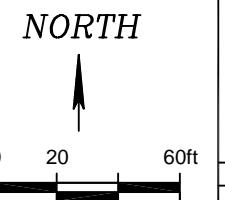
**NOTES:**

- ALL ELEVATIONS IN FEET AMSL

SOURCE: "NEW MEXICO" 32°22'57.82"N, 103°9'18.62"W. GOOGLE EARTH.  
FEBRUARY 20, 2019. APRIL 20, 2020



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**FIGURE 3****SITE MAP**

**E.M. ELLIOT TANK BATTERY**  
**LEA COUNTY, NEW MEXICO**

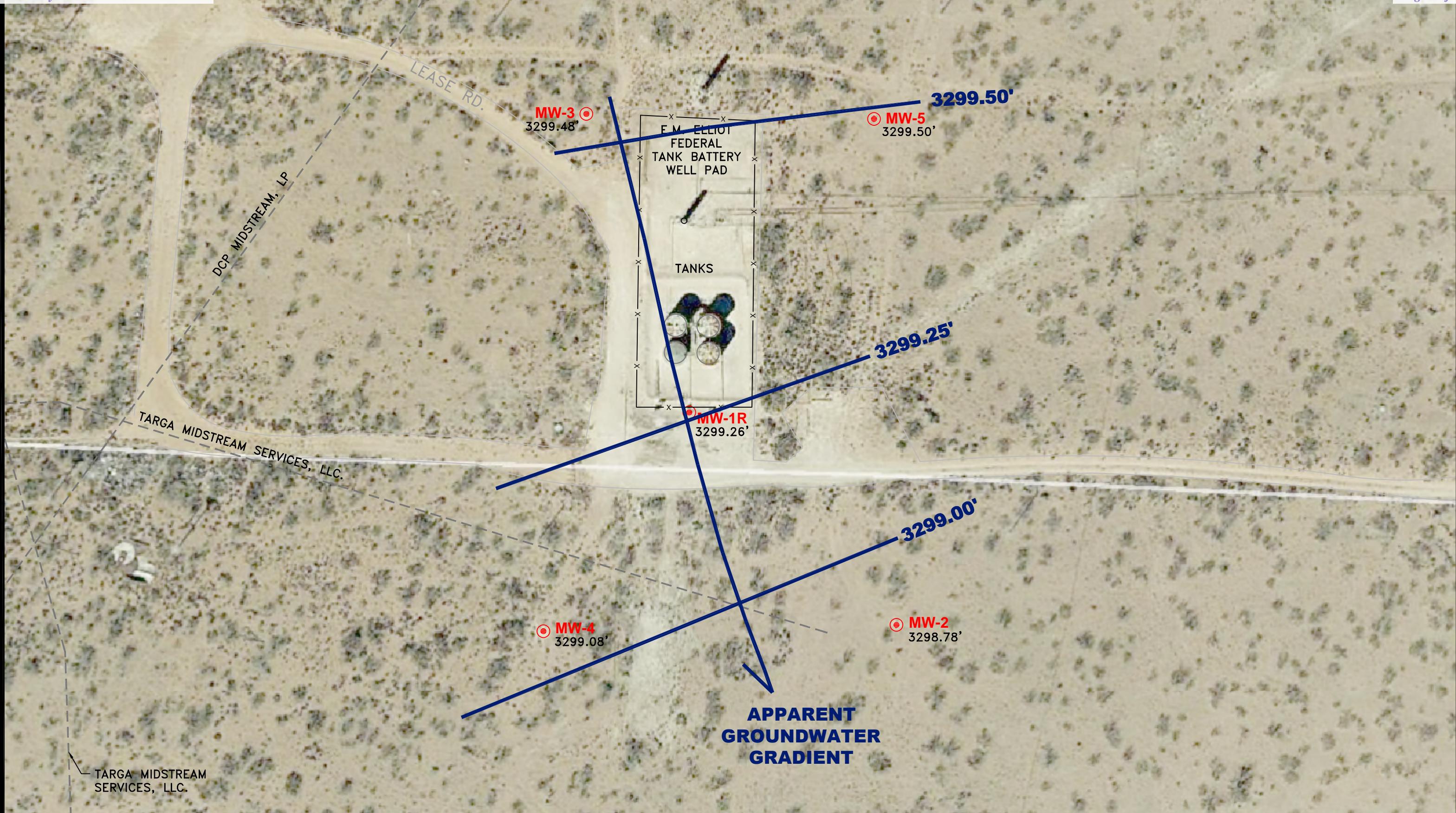
Project: 212C-MD-02091

Date: 4/20/20

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**LEGEND**

- = MONITOR WELL LOCATIONS
- = SOIL BORING LOCATIONS
- = BURIED PIPELINE
- = FENCE LINE
- = CONTOUR INTERVALS .25 FT.
- = APPARENT GROUND WATER GRADIENT DIRECTIONAL

**NOTES:**

1. ALL ELEVATIONS IN FEET AMSL

SOURCE: "NEW MEXICO" 32°22'57.82"N, 103°9'18.62"W. GOOGLE EARTH.  
FEBRUARY 20, 2019. APRIL 20, 2020



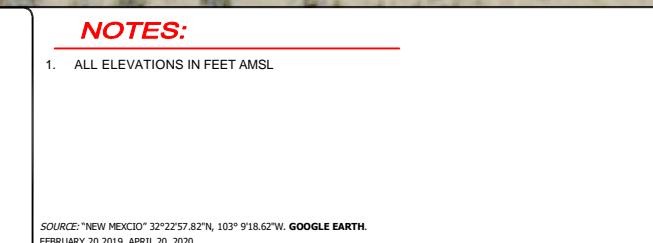
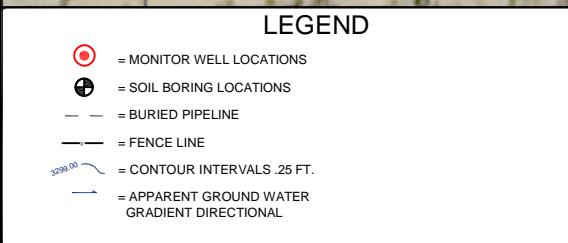
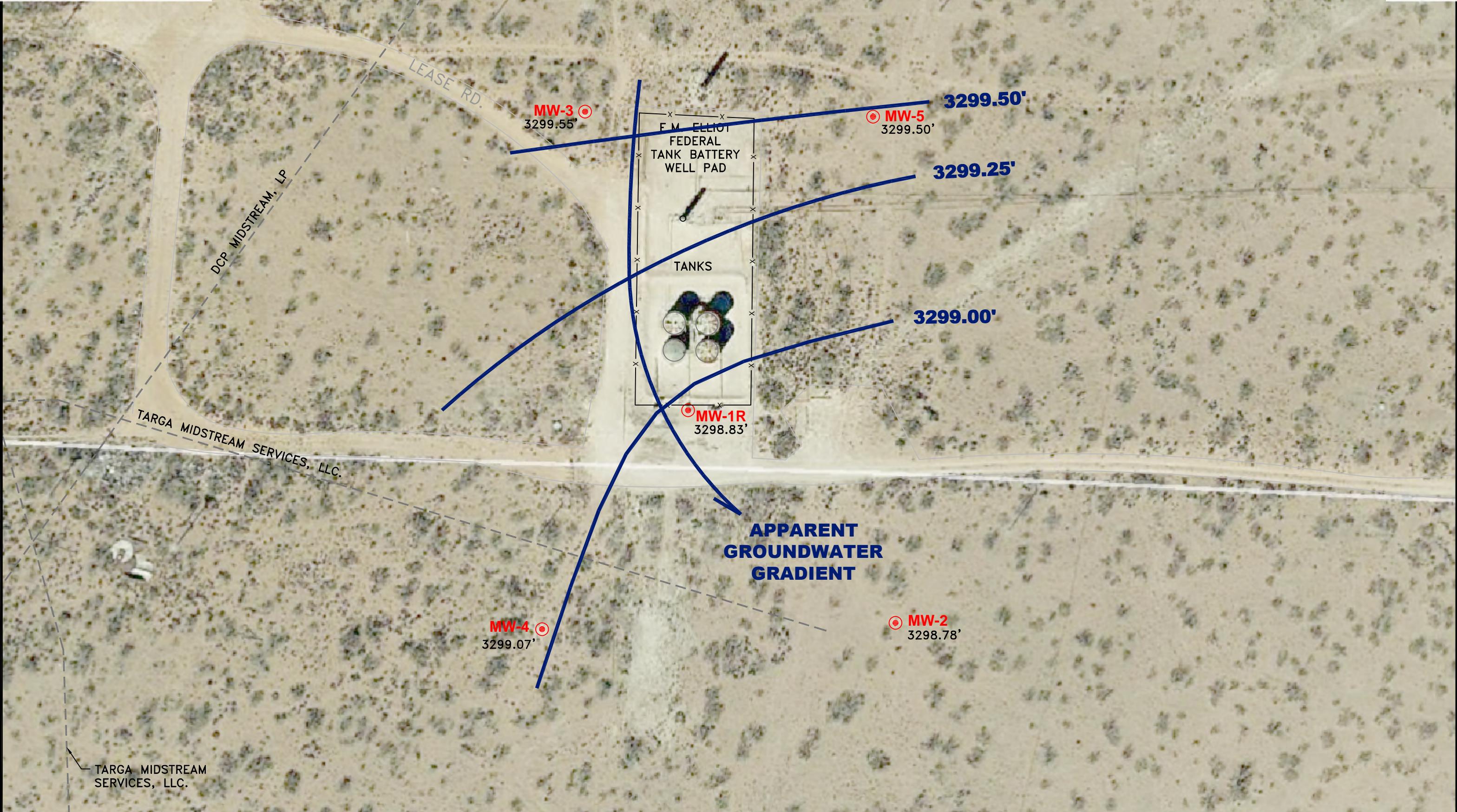
**TETRA TECH**  
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MIDLAND, TEXAS  
(432) 682-4559

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NORTH  
0 20 60ft

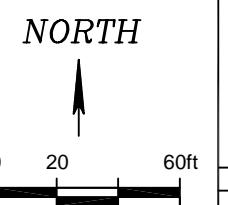
**FIGURE 4**  
**GROUNDWATER GRADIENT MAP**  
FEBRUARY 08, 2019  
E.M. ELLIOT TANK BATTERY  
LEA COUNTY, NEW MEXICO  
Project: 212C-MD-02091  
Date: 4/20/20  
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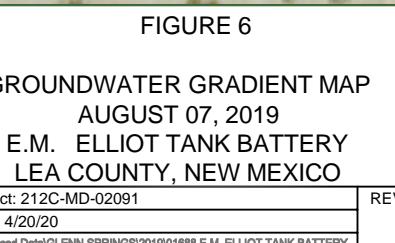
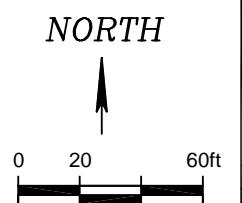
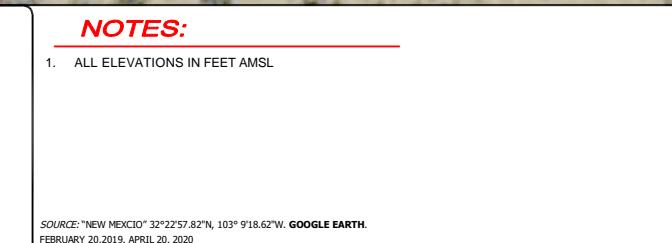
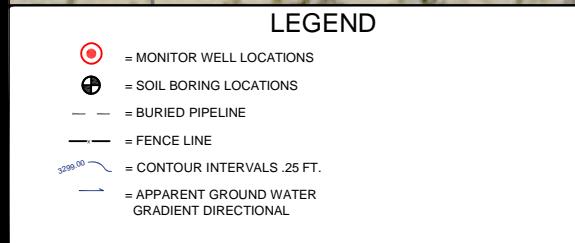
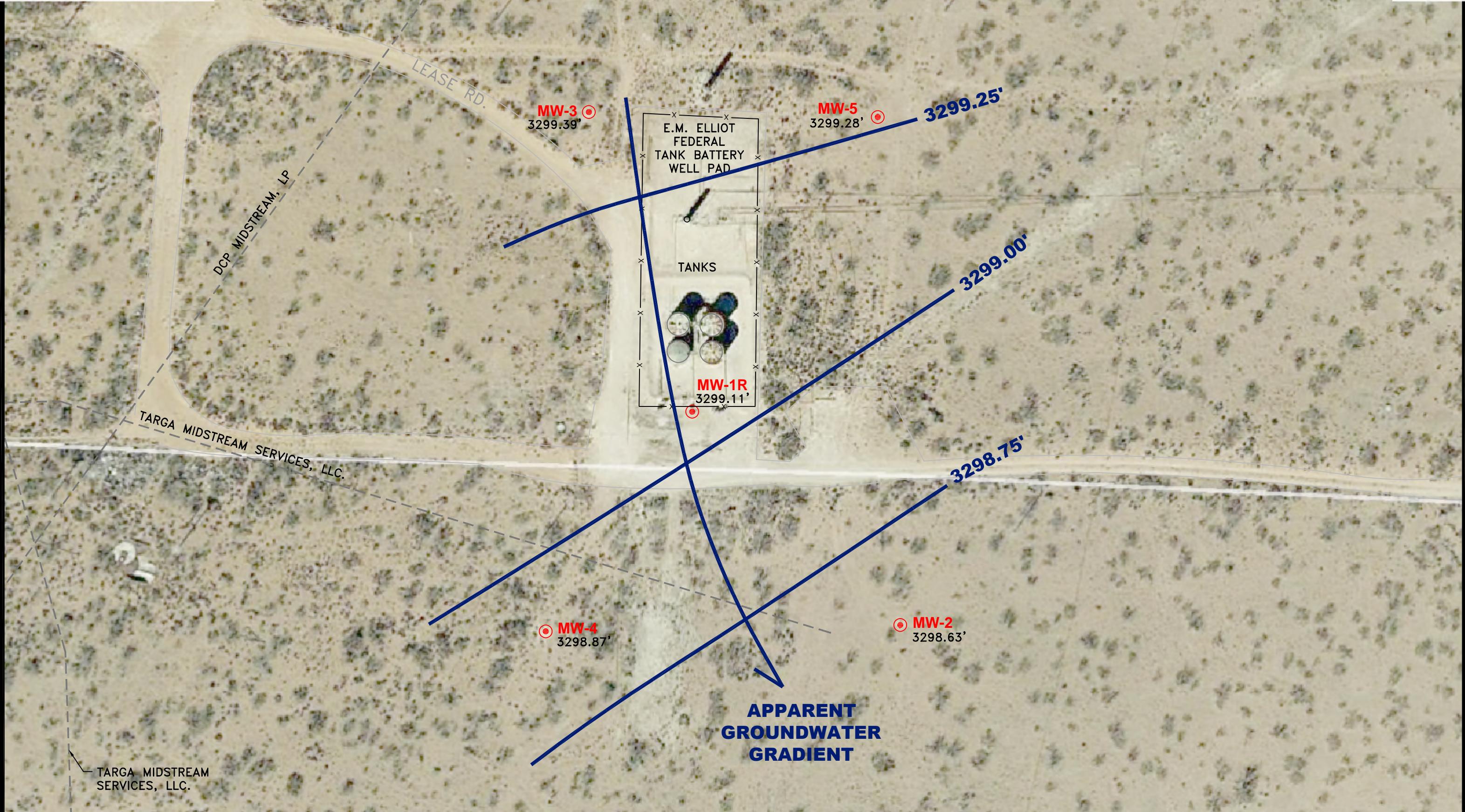


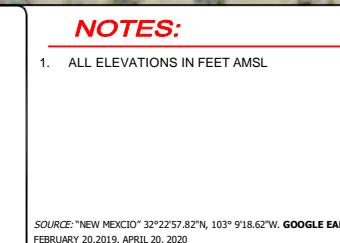
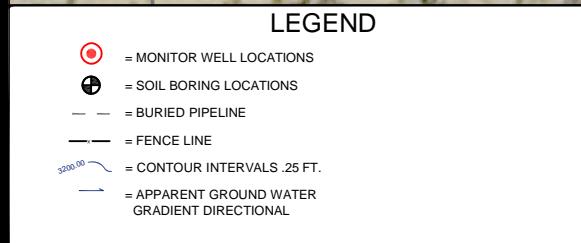
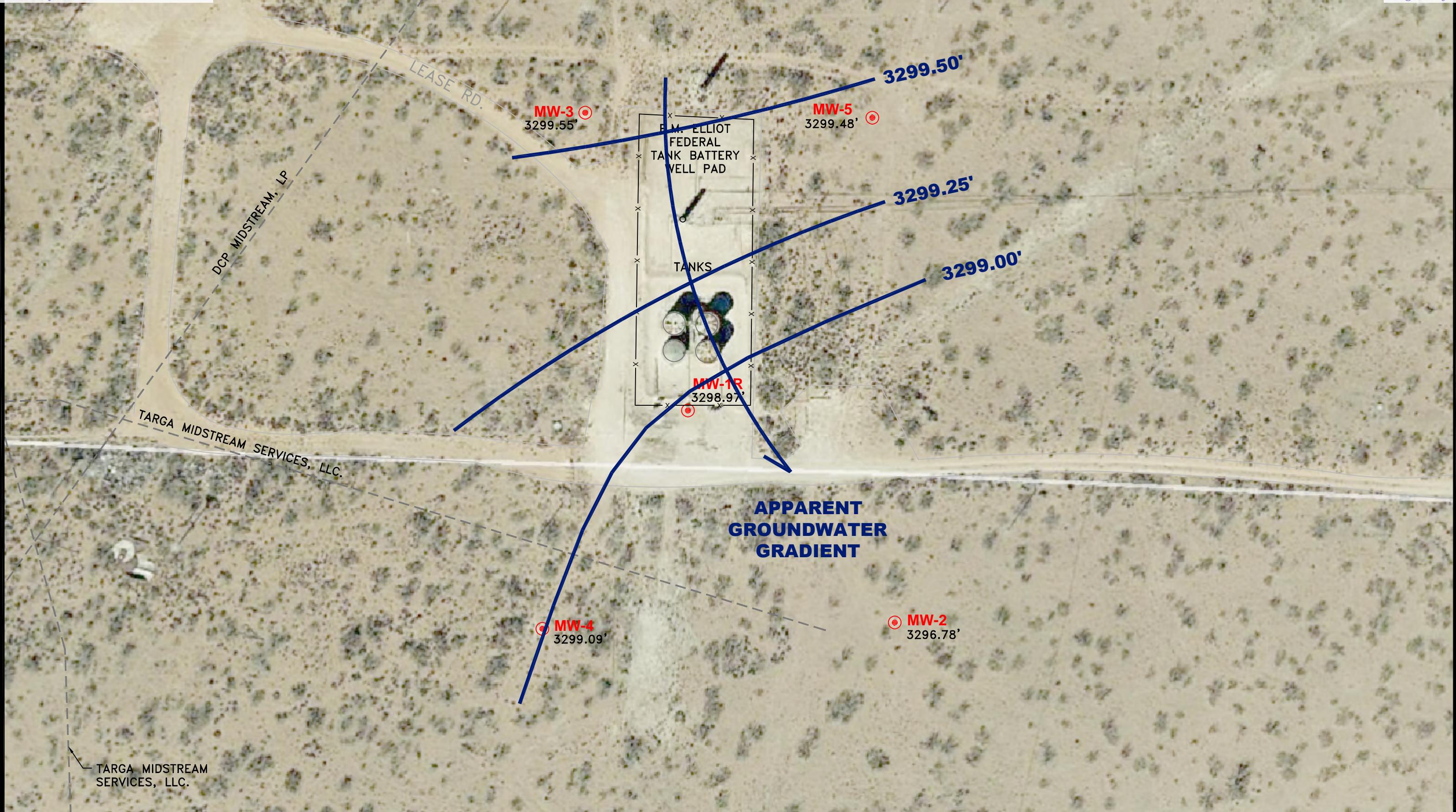
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**FIGURE 5**  
**GROUNDWATER GRADIENT MAP**  
MAY 08, 2019  
E.M. ELLIOT TANK BATTERY  
LEA COUNTY, NEW MEXICO  
Project: 212C-MD-02091  
Date: 4/20/20  
File: H:\Acad Data\GLENN SPRINGS\201901688 E.M. ELLIOT TANK BATTERY





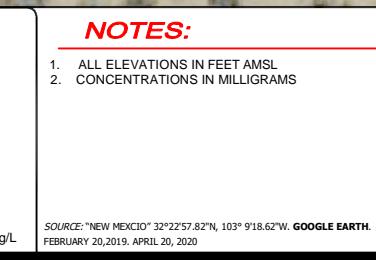
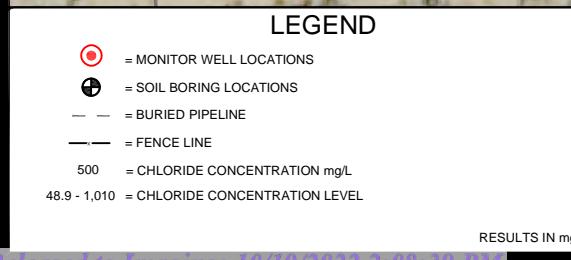
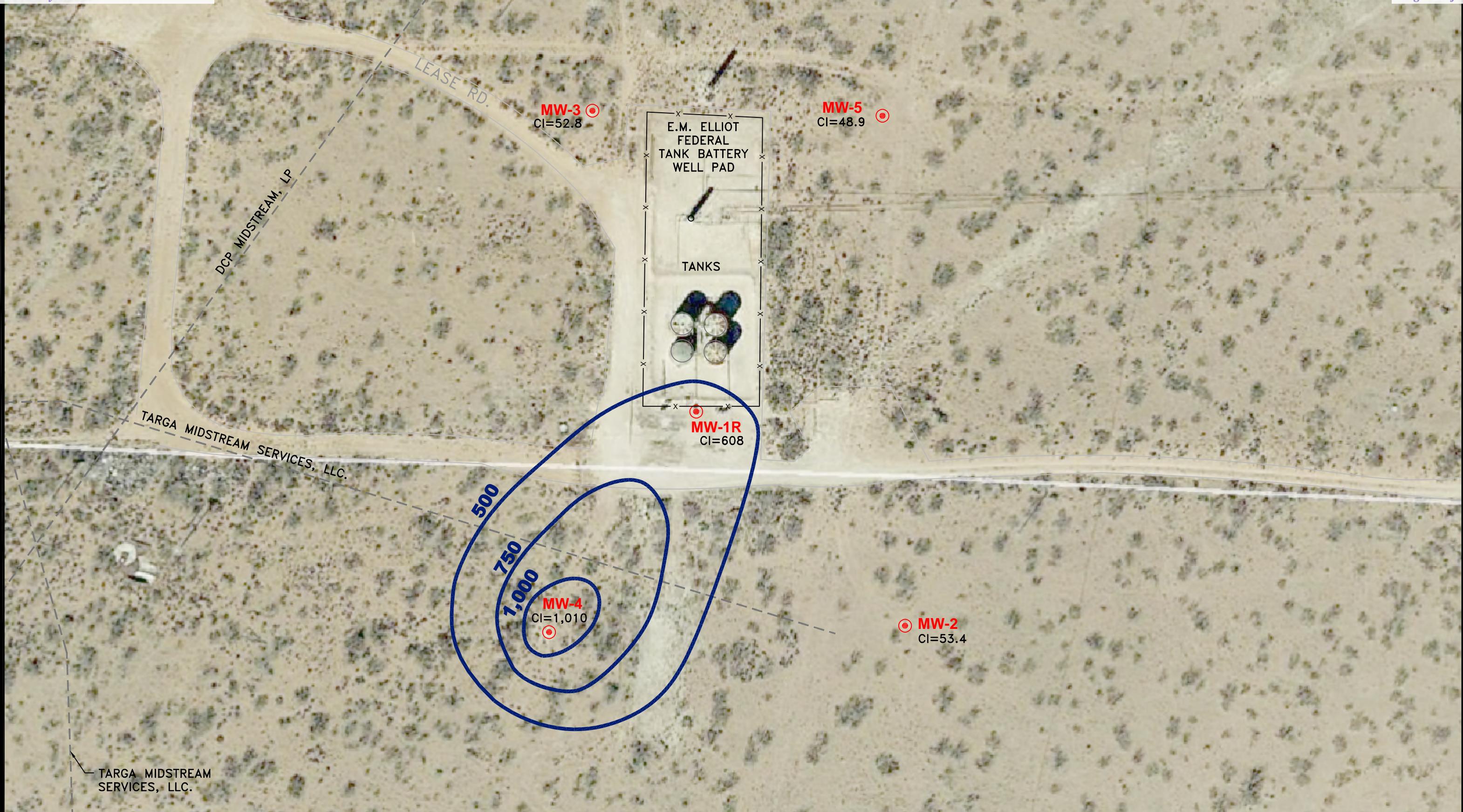
**TETRA TECH**  
901 W. WALL STREET STE. 100  
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(432) 682-4559

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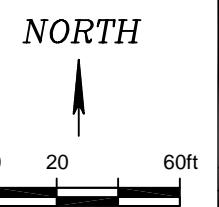
NORTH  
0 20 60ft

**FIGURE 7**  
**GROUNDWATER GRADIENT MAP**  
NOVEMBER 15, 2019  
E.M. ELLIOT TANK BATTERY  
LEA COUNTY, NEW MEXICO  
Project: 212C-MD-02091  
Date: 4/20/20  
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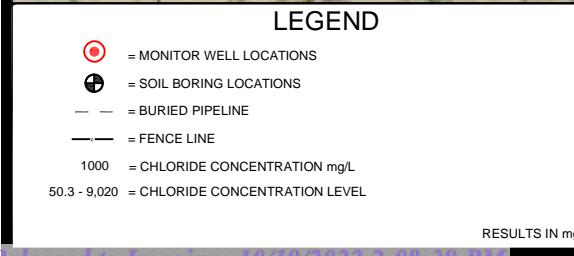
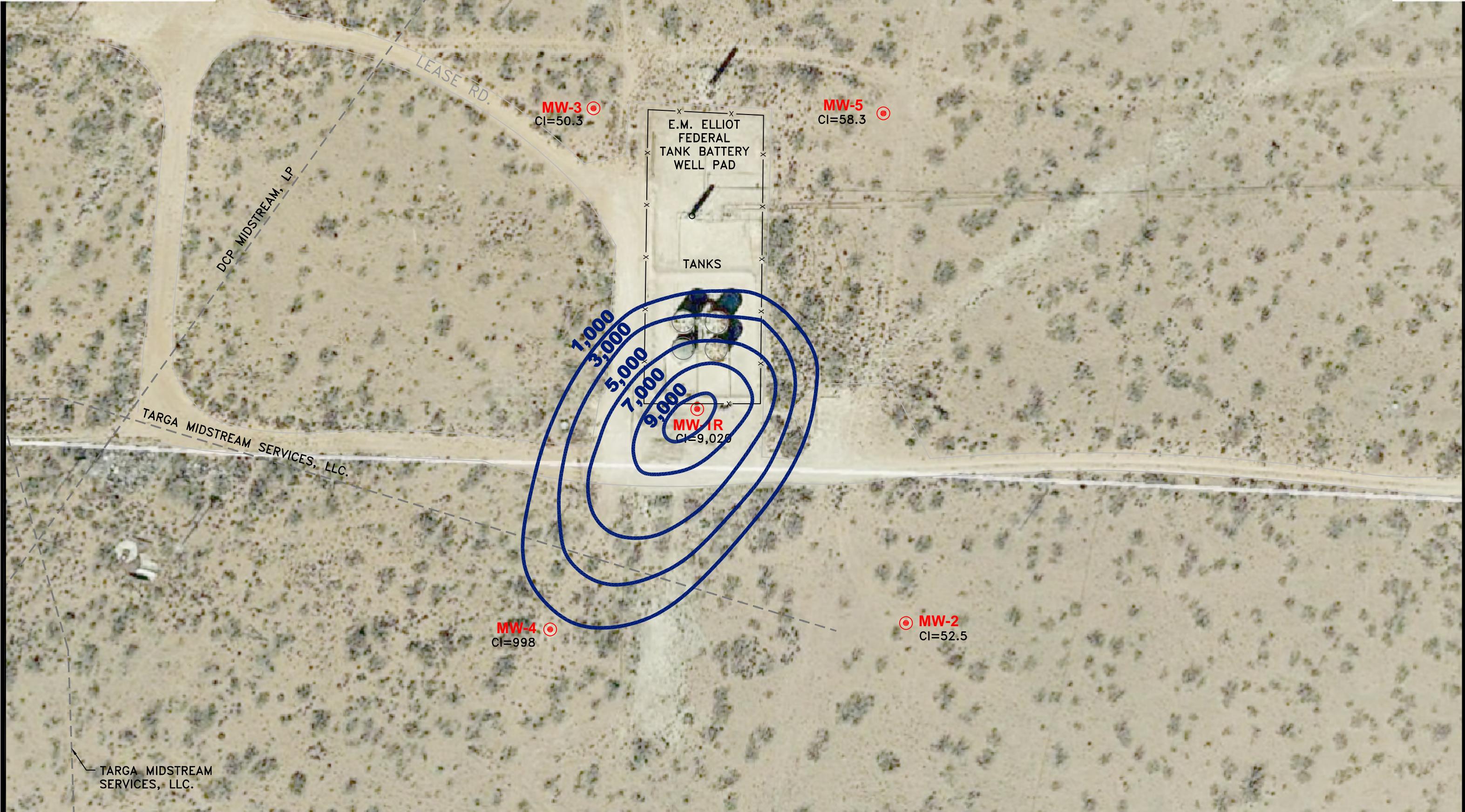


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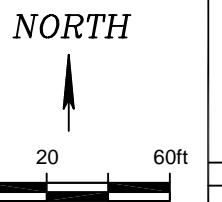


**FIGURE 8**  
**CHLORIDE CONCENTRATION MAP**  
**FEBRUARY 08, 2019**  
**E.M. ELLIOT TANK BATTERY**  
**LEA COUNTY, NEW MEXICO**

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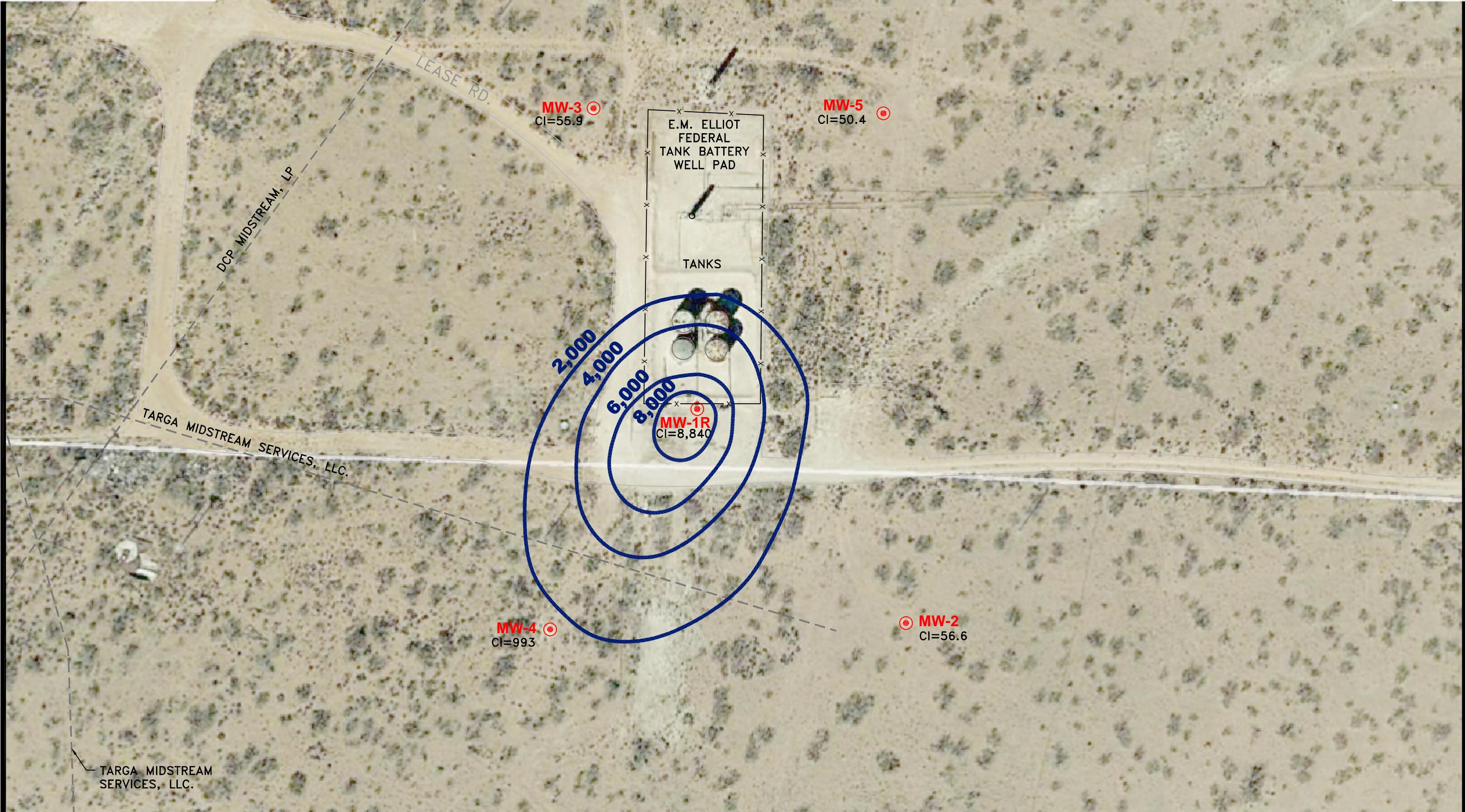


GLENN SPRINGS HOLDINGS

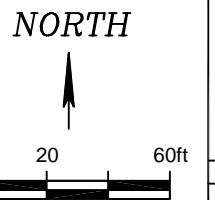


**FIGURE 9**  
**CHLORIDE CONCENTRATION MAP**  
**MAY 08, 2019**  
**E.M. ELLIOT TANK BATTERY**  
**LEA COUNTY, NEW MEXICO**

|   |      |
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| Project: 212C-MD-02091  | REV. |
| Date: 4/20/20   |      |
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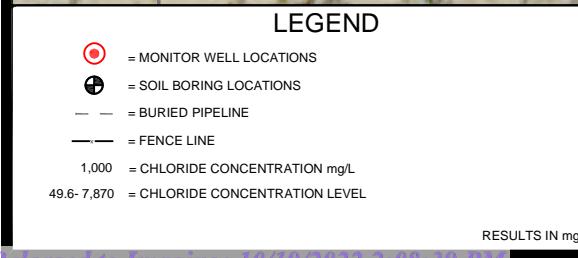
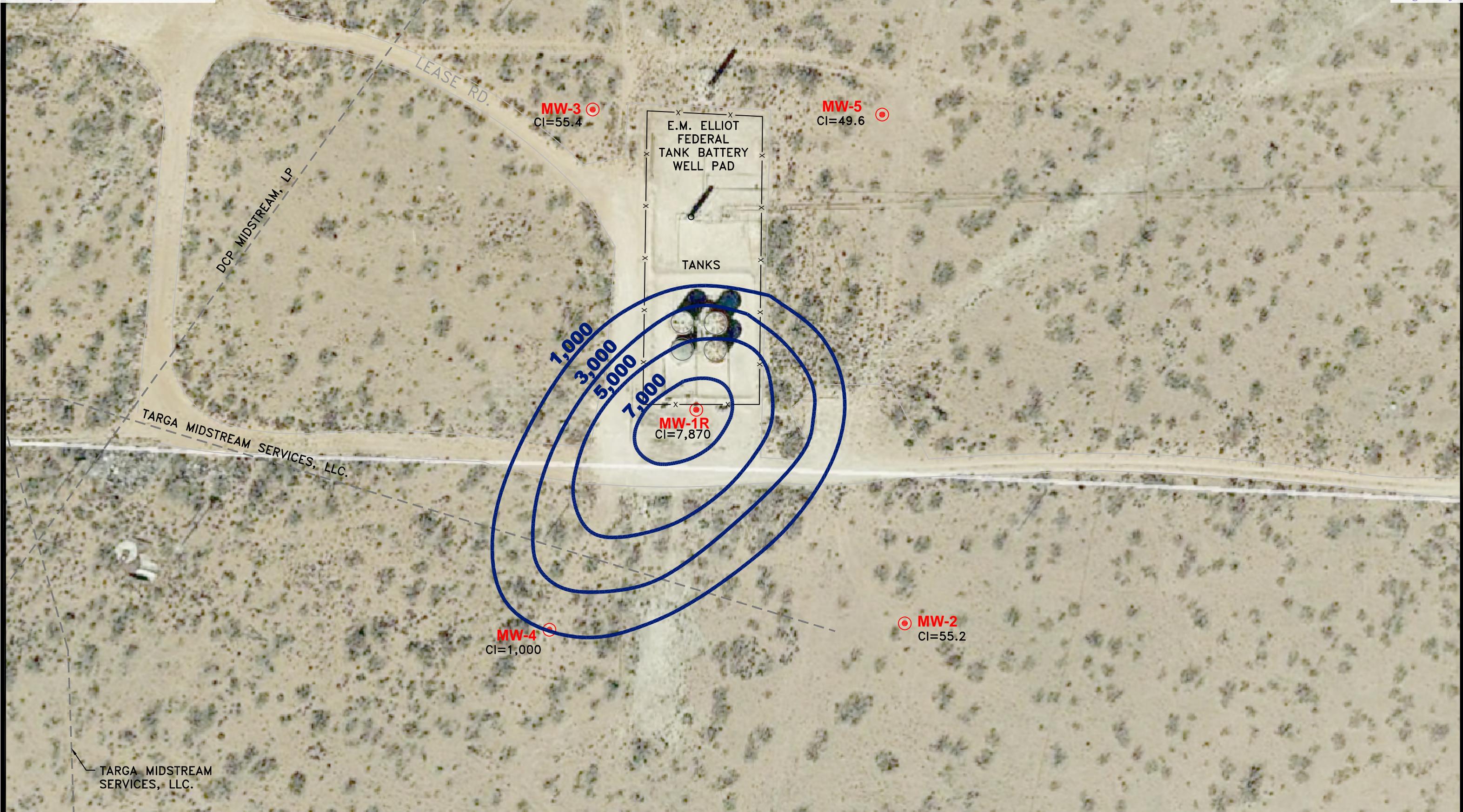


GLENN SPRINGS HOLDINGS

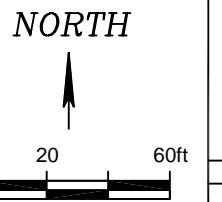


**FIGURE 10**  
**CHLORIDE CONCENTRATION MAP**  
**AUGUST 07, 2019**  
**E.M. ELLIOT TANK BATTERY**  
**LEA COUNTY, NEW MEXICO**  
Project: 212C-MD-02091  
Date: 4/20/20  
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**FIGURE 11**  
CHLORIDE CONCENTRATION MAP  
NOVEMBER 15, 2019  
E.M. ELLIOT TANK BATTERY  
LEA COUNTY, NEW MEXICO  
Project: 212C-MD-02091  
Date: 4/20/20  
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## Tables

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**TABLE 1**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Groundwater Elevations and PSH Thickness**  
**Lea County, New Mexico**

| Well/<br>Borehole<br>ID | Date<br>Measurement | Top of Casing<br>Elevation,<br>feet AMSL | Total<br>Well Depth<br>(in ft) | Product<br>(ft)<br>(TOC) | Water level<br>(ft)<br>(TOC) | PSH<br>Thickness<br>(ft) | Groundwater<br>Elevation<br>(ft) |
|-------------------------|---------------------|--|--------------------------------|--------------------------|------------------------------|--------------------------|----------------------------------|
| MW-1                    | 10/23/08            | 3,378.91                                 | 85.60                          | -                        | 80.88                        | -                        | 3,298.03                         |
|                         | 12/10/08            | -  | 85.60                          | -                        | 80.85                        | -                        | 3,298.06                         |
|                         | 03/11/09            | -  | 85.60                          | -                        | 80.85                        | -                        | 3,298.06                         |
|                         | 06/22/09            | -  | 85.60                          | -                        | 80.84                        | -                        | 3,298.07                         |
|                         | 09/15/09            | -  | 85.66                          | -                        | 80.84                        | -                        | 3,298.03                         |
|                         | 12/09/09            | -  | 85.60                          | -                        | 80.88                        | -                        | 3,298.03                         |
|                         | 03/10/10            | -  | 85.60                          | -                        | 80.85                        | -                        | 3,298.06                         |
|                         | 06/07/10            | -  | 85.60                          | -                        | 80.77                        | -                        | 3,298.14                         |
|                         | 09/13/10            | -  | 85.60                          | -                        | 81.64                        | -                        | 3,297.27                         |
|                         | 12/13/10            | -  | 85.60                          | -                        | 81.78                        | -                        | 3,297.13                         |
|                         | 03/10/11            | -  | 85.60                          | -                        | 81.82                        | -                        | 3,297.09                         |
|                         | 06/13/11            | -  | 85.60                          | -                        | 80.77                        | -                        | 3,298.14                         |
|                         | 09/20/11            | -  | 85.60                          | -                        | 80.82                        | -                        | 3,298.09                         |
|                         | 12/12/11            | -  | 85.60                          | -                        | 80.95                        | -                        | 3,297.96                         |
|                         | 04/05/12            | -  | 85.60                          | -                        | 80.84                        | -                        | 3,298.07                         |
|                         | 06/19/12            | -  | 85.60                          | -                        | 80.83                        | -                        | 3,298.08                         |
|                         | 09/24/12            | -  | 85.60                          | -                        | 80.91                        | -                        | 3,298.00                         |
|                         | 12/14/12            | -  | 85.60                          | -                        | 80.82                        | -                        | 3,298.09                         |
|                         | 03/27/13            | -  | 86.80                          | -                        | 80.83                        | -                        | 3,298.08                         |
|                         | 06/07/13            | -  | -                              | -                        | 80.82                        | -                        | 3,298.09                         |
|                         | 09/19/13            | -  | -                              | -                        | 80.81                        | -                        | 3,298.10                         |
|                         | 12/26/13            | -  | 86.83                          | -                        | 80.86                        | -                        | 3,298.05                         |
|                         | 03/27/14            | -  | 85.60                          | -                        | 80.93                        | -                        | 3,297.98                         |
|                         | 06/17/14            | -  | 85.60                          | -                        | 80.83                        | -                        | 3,298.08                         |
|                         | 09/26/14            | -  | 85.60                          | -                        | 80.88                        | -                        | 3,298.03                         |
|                         | 12/15/14            | -  | 85.59                          | -                        | 80.99                        | -                        | 3,297.92                         |
|                         | 03/24/15            | -  | 85.66                          | -                        | 80.91                        | -                        | 3,298.00                         |
|                         | 06/18/15            | -  | 85.66                          | -                        | 80.96                        | -                        | 3,297.95                         |
|                         | 08/06/15            | -  | -                              | -                        | 80.90                        | -                        | 3,298.01                         |
|                         | 08/12/15            | -  | -                              | -                        | 80.87                        | -                        | 3,298.04                         |
|                         | 08/18/15            | -  | -                              | -                        | 80.84                        | -                        | 3,298.07                         |
|                         | 09/08/15            | -  | 85.66                          | -                        | 80.82                        | -                        | 3,298.09                         |
|                         | 12/18/15            | -  | 85.72                          | -                        | 80.86                        | -                        | 3,298.05                         |
|                         | 03/14/16            | -  | -                              | -                        | 80.82                        | -                        | 3,298.09                         |
|                         | 06/28/16            | -  | 85.66                          | -                        | 80.83                        | -                        | 3,298.08                         |
|                         | 09/12/16            | -  | -                              | -                        | Well Plugged                 |                          |                                  |
| MW-1R                   | 09/09/16            | 3,380.41                                 | -                              | -                        | 79.32                        | -                        | 3,301.09                         |
|                         | 09/15/16            | -  | -                              | -                        | 82.04                        | -                        | 3,298.37                         |
|                         | 09/29/16            | -  | 92.40                          | -                        | 81.34                        | -                        | 3,299.07                         |
|                         | 10/12/16            | -  | -                              | -                        | 81.30                        | -                        | 3,299.11                         |
|                         | 12/06/16            | -  | -                              | -                        | 81.32                        | -                        | 3,299.09                         |
|                         | 03/01/17            | -  | 92.40                          | -                        | 81.39                        | -                        | 3,299.02                         |
|                         | 08/29/17            | -  | -                              | -                        | 81.29                        | -                        | 3,299.12                         |
|                         | 11/20/17            | -  | -                              | -                        | 81.66                        | -                        | 3,298.75                         |
|                         | 02/20/18            | -  | 90.38                          | -                        | 81.28                        | -                        | 3,299.13                         |
|                         | 05/24/18            | -  | -                              | -                        | 81.12                        | -                        | 3,299.29                         |
|                         | 08/24/18            | -  | -                              | -                        | 81.70                        | -                        | 3,298.71                         |

**TABLE 1**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Groundwater Elevations and PSH Thickness**  
**Lea County, New Mexico**

| Well/<br>Borehole<br>ID | Date<br>Measurement | Top of Casing<br>Elevation,<br>feet AMSL | Total<br>Well Depth<br>(in ft) | Product<br>(ft)<br>(TOC) | Water level<br>(ft)<br>(TOC) | PSH<br>Thickness<br>(ft) | Groundwater<br>Elevation<br>(ft) |
|-------------------------|---------------------|--|--------------------------------|--------------------------|------------------------------|--------------------------|----------------------------------|
| <b>MW-1R Cont.</b>      | 11/15/18            | -  | 90.45                          | -                        | 81.65                        | -                        | 3,298.76                         |
|                         | 02/08/19            | -  | 90.42                          | -                        | 81.15                        | -                        | 3,299.26                         |
|                         | 05/08/19            | -  | 90.25                          | -                        | 81.58                        | -                        | 3,298.83                         |
|                         | 08/07/19            | -  | 90.40                          | -                        | 81.3                         | -                        | 3,299.11                         |
|                         | 11/15/19            | -  | 90.30                          | -                        | 81.44                        | -                        | 3,298.97                         |
| <b>MW-2</b>             | 09/20/11            | 3,378.00                                 | 102.00                         | -                        | 82.97                        | -                        | 3,295.03                         |
|                         | 12/12/11            | -  | 102.00                         | -                        | 80.44                        | -                        | 3,297.56                         |
|                         | 04/05/12            | -  | 102.00                         | -                        | 80.27                        | -                        | 3,297.73                         |
|                         | 06/19/12            | -  | 102.00                         | -                        | 80.32                        | -                        | 3,297.68                         |
|                         | 09/24/12            | -  | 102.00                         | -                        | 80.31                        | -                        | 3,297.69                         |
|                         | 12/14/12            | -  | 102.00                         | -                        | 80.34                        | -                        | 3,297.66                         |
|                         | 03/27/13            | -  | 98.35                          | -                        | 80.33                        | -                        | 3,297.67                         |
|                         | 06/07/13            | -  | -                              | -                        | 80.35                        | -                        | 3,297.65                         |
|                         | 09/19/13            | -  | -                              | -                        | 80.34                        | -                        | 3,297.66                         |
|                         | 12/26/13            | -  | -                              | -                        | 80.35                        | -                        | 3,297.65                         |
|                         | 03/27/14            | -  | 97.16                          | -                        | 80.39                        | -                        | 3,297.61                         |
|                         | 06/17/14            | -  | 97.16                          | -                        | 80.29                        | -                        | 3,297.71                         |
|                         | 09/30/14            | -  | 97.16                          | -                        | 80.37                        | -                        | 3,297.63                         |
|                         | 12/15/14            | -  | 97.16                          | -                        | 80.44                        | -                        | 3,297.56                         |
|                         | 03/24/15            | -  | 97.05                          | -                        | 80.37                        | -                        | 3,297.63                         |
|                         | 06/18/15            | -  | 97.16                          | -                        | 80.36                        | -                        | 3,297.64                         |
|                         | 08/06/15            | -  | -                              | -                        | 80.37                        | -                        | 3,297.63                         |
|                         | 09/08/15            | -  | 97.16                          | -                        | 80.33                        | -                        | 3,297.67                         |
|                         | 12/18/15            | -  | 97.12                          | -                        | 80.35                        | -                        | 3,297.65                         |
|                         | 03/14/16            | -  | -                              | -                        | 80.30                        | -                        | 3,297.70                         |
|                         | 06/28/16            | -  | 97.16                          | -                        | 80.32                        | -                        | 3,297.68                         |
|                         | 09/09/16            | 3,378.98                                 | -                              | -                        | 80.27                        | -                        | 3,298.71                         |
|                         | 09/29/16            | -  | 97.16                          | -                        | 80.34                        | -                        | 3,298.64                         |
|                         | 10/12/16            | -  | -                              | -                        | 80.30                        | -                        | 3,298.68                         |
|                         | 12/06/16            | -  | -                              | -                        | 80.34                        | -                        | 3,298.64                         |
|                         | 03/01/17            | -  | 98.35                          | -                        | 80.32                        | -                        | 3,298.66                         |
|                         | 08/29/17            | -  | 98.35                          | -                        | 80.29                        | -                        | 3,298.69                         |
|                         | 11/20/17            | -  | -                              | -                        | 80.43                        | -                        | 3,298.55                         |
|                         | 02/20/18            | -  | 97.10                          | -                        | 80.29                        | -                        | 3,298.69                         |
|                         | 05/24/18            | -  | -                              | -                        | 80.17                        | -                        | 3,298.81                         |
|                         | 08/24/18            | -  | -                              | -                        | 80.42                        | -                        | 3,298.56                         |
|                         | 11/15/18            | -  | 97.19                          | -                        | 80.38                        | -                        | 3,298.60                         |
|                         | 02/08/19            | -  | 96.83                          | -                        | 80.20                        | -                        | 3,298.78                         |
|                         | 05/08/19            | -  | 97.00                          | -                        | 80.20                        | -                        | 3,298.78                         |
|                         | 08/07/19            | -  | 97.25                          | -                        | 80.35                        | -                        | 3,298.63                         |
|                         | 11/15/19            | -  | 96.95                          | -                        | 80.20                        | -                        | 3,298.78                         |
| <b>MW-3</b>             | 09/20/11            | 3,381.40                                 | 99.00                          | -                        | 80.33                        | -                        | 3,301.07                         |
|                         | 12/12/11            | -  | 99.00                          | -                        | 83.11                        | -                        | 3,298.29                         |
|                         | 04/05/12            | -  | 99.00                          | -                        | 82.98                        | -                        | 3,298.42                         |
|                         | 06/19/12            | -  | 99.00                          | -                        | 82.99                        | -                        | 3,298.41                         |
|                         | 09/24/12            | -  | 99.00                          | -                        | 82.99                        | -                        | 3,298.41                         |
|                         | 12/14/12            | -  | 99.00                          | -                        | 82.99                        | -                        | 3,298.41                         |

**TABLE 1**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Groundwater Elevations and PSH Thickness**  
**Lea County, New Mexico**

| Well/<br>Borehole<br>ID | Date<br>Measurement | Top of Casing<br>Elevation,<br>feet AMSL | Total<br>Well Depth<br>(in ft) | Product<br>(ft)<br>(TOC) | Water level<br>(ft)<br>(TOC) | PSH<br>Thickness<br>(ft) | Groundwater<br>Elevation<br>(ft) |
|-------------------------|---------------------|--|--------------------------------|--------------------------|------------------------------|--------------------------|----------------------------------|
| <b>MW-3 Cont.</b>       | 03/27/13            | -  | 99.00                          | -                        | 83.04                        | -                        | 3,298.36                         |
|                         | 06/07/13            | -  | -                              | -                        | 83.05                        | -                        | 3,298.35                         |
|                         | 09/19/13            | -  | -                              | -                        | 83.02                        | -                        | 3,298.38                         |
|                         | 12/26/13            | -  | -                              | -                        | 83.09                        | -                        | 3,298.31                         |
|                         | 03/27/14            | -  | 100.95                         | -                        | 83.12                        | -                        | 3,298.28                         |
|                         | 06/17/14            | -  | 100.95                         | -                        | 83.06                        | -                        | 3,298.34                         |
|                         | 09/30/14            | -  | 100.95                         | -                        | 83.09                        | -                        | 3,298.31                         |
|                         | 12/15/14            | -  | 100.94                         | -                        | 83.18                        | -                        | 3,298.22                         |
|                         | 03/24/15            | -  | 100.94                         | -                        | 83.08                        | -                        | 3,298.32                         |
|                         | 06/18/15            | -  | 100.94                         | -                        | 83.05                        | -                        | 3,298.35                         |
|                         | 08/06/15            | -  | -                              | -                        | 83.04                        | -                        | 3,298.36                         |
|                         | 09/08/15            | -  | 100.94                         | -                        | 83.02                        | -                        | 3,298.38                         |
|                         | 12/18/15            | -  | 104.94                         | -                        | 83.04                        | -                        | 3,298.36                         |
|                         | 03/14/16            | -  | -                              | -                        | 82.99                        | -                        | 3,298.41                         |
|                         | 06/28/16            | -  | 100.97                         | -                        | 82.98                        | -                        | 3,298.42                         |
|                         | 09/09/16            | 3,382.36                                 | -                              | -                        | 83.00                        | -                        | 3,299.36                         |
|                         | 09/29/16            | -  | 100.97                         | -                        | 83.01                        | -                        | 3,299.35                         |
|                         | 10/12/16            | -  | -                              | -                        | 82.98                        | -                        | 3,299.38                         |
|                         | 12/06/16            | -  | -                              | -                        | 82.99                        | -                        | 3,299.37                         |
|                         | 03/01/17            | -  | -                              | -                        | 83.00                        | -                        | 3,299.36                         |
|                         | 08/29/17            | -  | -                              | -                        | 82.98                        | -                        | 3,299.38                         |
|                         | 11/20/17            | -  | -                              | -                        | 83.05                        | -                        | 3,299.31                         |
|                         | 02/20/18            | -  | 100.96                         | -                        | 82.93                        | -                        | 3,299.43                         |
|                         | 05/24/18            | -  | -                              | -                        | 82.83                        | -                        | 3,299.53                         |
|                         | 08/24/18            | -  | -                              | -                        | 83.02                        | -                        | 3,299.34                         |
|                         | 11/15/18            | -  | 101.09                         | -                        | 82.96                        | -                        | 3,299.40                         |
|                         | 02/08/19            | -  | 100.94                         | -                        | 82.88                        | -                        | 3,299.48                         |
|                         | 05/08/19            | -  | 100.95                         | -                        | 82.81                        | -                        | 3,299.55                         |
|                         | 08/07/19            | -  | 101.15                         | -                        | 82.97                        | -                        | 3,299.39                         |
|                         | 11/15/19            | -  | 100.90                         | -                        | 82.81                        | -                        | 3,299.55                         |
| <b>MW-4</b>             | 09/08/16            | 3,377.80                                 | -                              | -                        | 78.90                        | -                        | 3,298.90                         |
|                         | 09/09/16            | -  | -                              | -                        | 78.96                        | -                        | 3,298.84                         |
|                         | 09/15/16            | -  | -                              | -                        | 78.95                        | -                        | 3,298.85                         |
|                         | 09/29/16            | -  | 94.40                          | -                        | 78.95                        | -                        | 3,298.85                         |
|                         | 10/12/16            | -  | -                              | -                        | 78.92                        | -                        | 3,298.88                         |
|                         | 12/06/16            | -  | -                              | -                        | 78.91                        | -                        | 3,298.89                         |
|                         | 03/01/17            | -  | 93.35                          | -                        | 78.89                        | -                        | 3,298.91                         |
|                         | 08/29/17            | -  | 93.35                          | -                        | 78.91                        | -                        | 3,298.89                         |
|                         | 11/20/17            | -  | -                              | -                        | 78.96                        | -                        | 3,298.84                         |
|                         | 02/20/18            | -  | 93.72                          | -                        | 78.82                        | -                        | 3,298.98                         |
|                         | 05/24/18            | -  | -                              | -                        | 78.75                        | -                        | 3,299.05                         |
|                         | 08/24/18            | -  | -                              | -                        | 78.98                        | -                        | 3,298.82                         |
|                         | 11/15/18            | -  | 93.72                          | -                        | 78.87                        | -                        | 3,298.93                         |
|                         | 02/08/19            | -  | 93.55                          | -                        | 78.72                        | -                        | 3,299.08                         |
|                         | 05/08/19            | -  | 93.55                          | -                        | 78.73                        | -                        | 3,299.07                         |
|                         | 08/07/19            | -  | 93.80                          | -                        | 78.93                        | -                        | 3,298.87                         |
|                         | 11/15/19            | -  | 94.60                          | -                        | 78.71                        | -                        | 3,299.09                         |

**TABLE 1**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Groundwater Elevations and PSH Thickness**  
**Lea County, New Mexico**

| Well/<br>Borehole<br>ID | Date<br>Measurement | Top of Casing<br>Elevation,<br>feet AMSL | Total<br>Well Depth<br>(in ft) | Product<br>(ft)<br>(TOC) | Water level<br>(ft)<br>(TOC) | PSH<br>Thickness<br>(ft) | Groundwater<br>Elevation<br>(ft) |
|-------------------------|---------------------|--|--------------------------------|--------------------------|------------------------------|--------------------------|----------------------------------|
| <b>MW-5</b>             | 09/08/16            | 3,384.53                                 | -                              | -                        | 85.15                        | -                        | 3,299.38                         |
|                         | 09/09/16            | -  | -                              | -                        | 85.19                        | -                        | 3,299.34                         |
|                         | 09/15/16            | -  | -                              | -                        | 85.15                        | -                        | 3,299.38                         |
|                         | 09/29/16            | -  | 101.94                         | -                        | 85.16                        | -                        | 3,299.37                         |
|                         | 10/12/16            | -  | -                              | -                        | 85.14                        | -                        | 3,299.39                         |
|                         | 12/06/16            | -  | -                              | -                        | 85.18                        | -                        | 3,299.35                         |
|                         | 03/01/17            | -  | 101.49                         | -                        | 85.20                        | -                        | 3,299.33                         |
|                         | 08/29/17            | -  | 101.49                         | -                        | 85.16                        | -                        | 3,299.37                         |
|                         | 11/20/17            | -  | -                              | -                        | 85.24                        | -                        | 3,299.29                         |
|                         | 02/20/18            | -  | 101.95                         | -                        | 85.12                        | -                        | 3,299.41                         |
|                         | 05/24/18            | -  | -                              | -                        | 85.03                        | -                        | 3,299.50                         |
|                         | 08/24/18            | -  | -                              | -                        | 85.25                        | -                        | 3,299.28                         |
|                         | 11/15/18            | -  | -                              | -                        | 85.19                        | -                        | 3,299.34                         |
|                         | 02/08/19            | -  | 101.95                         | -                        | 85.03                        | -                        | 3,299.50                         |
|                         | 05/08/19            | -  | 101.03                         | -                        | 85.03                        | -                        | 3,299.50                         |
|                         | 08/07/19            | -  | 101.20                         | -                        | 85.25                        | -                        | 3,299.28                         |
|                         | 11/15/19            | -  | 100.77                         | -                        | 85.05                        | -                        | 3,299.48                         |

( - ) No data (TOC) Top of casing

9/7/16 MW-4 and MW-5 drilled

9/8/16 MW-1R drilled

9/12/16 MW-1 plugged

10/12/16 John West Survey Company surveyed all five monitor wells on Site

**TABLE 2**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID  | Sample Date | PSH Thickness (ft) | Benzene (mg/L)    | Toluene (mg/L)  | Ethyl-benzene (mg/l) | Xylene (mg/L)    | Total BTEX (mg/l) | Chloride (mg/L)    |
|--|-------------|--------------------|-------------------|-----------------|----------------------|------------------|-------------------|--------------------|
| <b>New Mexico Water Quality Control Commission Human Health Standard Maximum Allowable Concentration</b> |             |                    | <b>0.005 mg/L</b> | <b>1.0 mg/L</b> | <b>0.7 mg/L</b>      | <b>0.62 mg/L</b> |                   | <b>250.0 mg/L*</b> |
| <b>MW-1</b>  | 09/25/06    | -                  | <b>0.0013</b>     | <0.001          | <0.001               | <b>0.0065</b>    | <b>0.0078</b>     | <b>8,260</b>       |
|  | 05/15/07    | -                  | <0.001            | <0.001          | <0.001               | <b>0.0015</b>    | <b>0.0015</b>     | <b>2,020</b>       |
|  | 10/23/08    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>8,040</b>       |
|  | 12/11/08    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>9,590</b>       |
|  | 03/11/09    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,670</b>       |
| <b>Dup</b>   | 03/11/09    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>8,950</b>       |
|  | 06/22/09    | -                  | <b>0.00049</b>    | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,600</b>       |
|  | 09/15/09    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,500</b>       |
|  | 12/09/10    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,880</b>       |
|  | 03/10/10    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>8,630</b>       |
|  | 06/07/10    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,650</b>       |
|  | 09/13/10    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,520</b>       |
|  | 12/13/10    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>9,580</b>       |
|  | 03/10/11    | -                  | <0.001            | <0.001          | <0.001               | <0.003           | <0.003            | <b>16,800</b>      |
|  | 06/13/11    | -                  | <b>0.00024 J</b>  | <0.00030        | <0.00020             | <0.00023         | <b>0.00024 J</b>  | <b>11,000</b>      |
|  | 09/20/11    | -                  | <b>0.00027 J</b>  | <0.00030        | <0.00020             | <0.00023         | <b>0.00027 J</b>  | <b>4,400</b>       |
|  | 12/13/11    | -                  | <b>0.00025 J</b>  | <0.00030        | <0.00020             | <0.00023         | <b>0.00025 J</b>  | <b>9,600</b>       |
|  | 04/06/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>10,300</b>      |
|  | 06/19/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>8,030</b>       |
|  | 09/24/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,100</b>      |
|  | 11/27/12    | -                  | -                 | -               | -                    | -                | -                 | <b>9,110</b>       |
|  | 11/27/12    | -                  | -                 | -               | -                    | -                | -                 | <b>8,310</b>       |
|  | 12/14/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>7,230</b>       |
|  | 03/27/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>8,820</b>       |
|  | 06/07/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>9,320</b>       |
|  | 09/19/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>9,620</b>       |
|  | 12/27/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>8,380</b>       |
|  | 03/27/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>7,630</b>       |
|  | 06/19/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,100</b>      |
| <b>MW-1 Cont.</b>  | 09/30/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>13,400</b>      |
|  | 12/15/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>10,700</b>      |
|  | 03/24/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,000</b>      |
|  | 06/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,000</b>      |
|  | 09/08/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,500</b>      |
|  | 12/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>11,500</b>      |
|  | 03/15/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>10,000</b>      |

**TABLE 2**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID   | Sample Date | PSH Thickness (ft) | Benzene (mg/L) | Toluene (mg/L) | Ethyl-benzene (mg/l) | Xylene (mg/L) | Total BTEX (mg/l) | Chloride (mg/L) |
|---|-------------|--------------------|----------------|----------------|----------------------|---------------|-------------------|-----------------|
| New Mexico Water Quality Control Commission Human Health Standard Maximum Allowable Concentration |             |                    | 0.005 mg/L     | 1.0 mg/L       | 0.7 mg/L             | 0.62 mg/L     | 250.0 mg/L*       |                 |
| Dup   | 03/15/16    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 9,590           |
|   | 06/30/16    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 9,270           |
| Dup   | 06/30/16    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 10,700          |
|   | 09/12/16    |                    |                |                | Plugged              |               |                   |                 |
| MW-1R   | 09/29/16    | -                  | <0.005         | 0.00095 J      | <0.005               | <0.015        | 0.00095 J         | 7,210           |
| Dup   | 09/29/16    | -                  | <0.005         | 0.0010 J       | <0.005               | <0.015        | 0.0010 J          | 7,040           |
|   | 12/07/16    | -                  | <0.005         | <0.005         | <0.005               | <0.005        | <0.005            | 8,810           |
| Dup   | 12/07/16    | -                  | <0.005         | <0.005         | <0.005               | <0.005        | <0.005            | 9,380           |
|   | 03/03/17    | -                  | <0.005         | <0.005         | <0.005               | <0.005        | <0.005            | 8,740           |
| Dup   | 03/03/17    | -                  | <0.005         | <0.005         | <0.005               | <0.005        | <0.005            | 9,250           |
|   | 06/08/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,710           |
| Dup   | 06/08/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,690           |
|   | 08/30/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,600           |
| Dup   | 08/30/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,860           |
|   | 11/20/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 12,500          |
| Dup   | 11/20/17    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,330           |
|   | 02/21/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,380           |
| Dup   | 02/21/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,340           |
|   | 05/24/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,490           |
| Dup   | 05/24/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,810           |
|   | 08/24/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,160           |
| Dup   | 08/24/18    | -                  | <0.0050        | <0.0050        | <0.0050              | 0.00081 J     | 0.00081 J         | 9,300           |
| MW-1R Cont.   | 11/15/18    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 7,850           |
|   | 02/08/19    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 608             |
|   | 05/08/19    | -                  | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 9,020           |
|   | 08/07/19    | -                  | <0.0060        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 8,840           |
|   | 11/15/19    |                    | <0.0050        | <0.0050        | <0.0050              | <0.0050       | <0.0050           | 7,870           |
| MW-2  | 09/20/11    | -                  | <0.00014       | <0.00030       | <0.00020             | <0.00023      | <0.00030          | 51              |
|   | 12/13/11    | -                  | <0.00014       | <0.00030       | <0.00020             | <0.00023      | <0.00030          | 160             |
|   | 04/06/12    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 62.2            |
|   | 06/19/12    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 60.7            |
|   | 09/24/12    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 63.3            |
|   | 12/14/12    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 50.7            |
|   | 03/27/13    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 109             |
|   | 06/07/13    | -                  | NA             | -              | -                    | -             | -                 | NA              |
|   | 09/19/13    | -                  | <0.005         | <0.005         | <0.005               | <0.015        | <0.015            | 59.9            |

**TABLE 2**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID  | Sample Date | PSH Thickness (ft) | Benzene (mg/L)    | Toluene (mg/L)  | Ethyl-benzene (mg/l) | Xylene (mg/L)    | Total BTEX (mg/l) | Chloride (mg/L)    |
|--|-------------|--------------------|-------------------|-----------------|----------------------|------------------|-------------------|--------------------|
| <b>New Mexico Water Quality Control Commission Human Health Standard Maximum Allowable Concentration</b> |             |                    | <b>0.005 mg/L</b> | <b>1.0 mg/L</b> | <b>0.7 mg/L</b>      | <b>0.62 mg/L</b> |                   | <b>250.0 mg/L*</b> |
|  | 12/27/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>53.5</b>        |
|  | 03/27/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>63.1</b>        |
|  | 06/19/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>63.1</b>        |
|  | 09/30/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>58.0</b>        |
|  | 12/15/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>54.4</b>        |
|  | 03/24/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>55.0</b>        |
|  | 06/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>55.0</b>        |
|  | 09/08/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>54.2</b>        |
|  | 12/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>53.6</b>        |
|  | 03/15/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>57.6</b>        |
|  | 06/30/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>53.4</b>        |
|  | 09/29/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.2</b>        |
|  | 12/07/16    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>54.3</b>        |
|  | 03/03/17    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>53.2</b>        |
|  | 06/08/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>49.4</b>        |
| <b>MW-2 Cont.</b>  | 08/30/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>50.4</b>        |
|  | 11/20/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>57.5</b>        |
|  | 02/21/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>56.0</b>        |
|  | 05/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>58.6</b>        |
|  | 08/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>54.7</b>        |
|  | 11/15/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.3</b>        |
|  | 02/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>53.4</b>        |
|  | 05/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>52.5</b>        |
|  | 08/07/19    | -                  | <0.0060           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>56.6</b>        |
|  | 11/15/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.2</b>        |
| <b>MW-3</b>  | 09/20/11    | -                  | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>270</b>         |
|  | 12/13/11    | -                  | <0.00014          | <0.00030        | <0.00020             | <0.00023         | <0.00030          | <b>52</b>          |
|  | 04/06/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.7</b>        |
|  | 06/19/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>52.6</b>        |
|  | 09/24/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>54.9</b>        |
|  | 12/14/12    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>46.0</b>        |
|  | 03/27/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>97.5</b>        |
|  | 06/07/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>47.0</b>        |
|  | 09/19/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>54.3</b>        |
|  | 12/27/13    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.3</b>        |
|  | 03/27/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>57.0</b>        |

212C-MD-02091

**TABLE 2**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID  | Sample Date | PSH Thickness (ft) | Benzene (mg/L)    | Toluene (mg/L)  | Ethyl-benzene (mg/l) | Xylene (mg/L)    | Total BTEX (mg/l) | Chloride (mg/L)    |
|--|-------------|--------------------|-------------------|-----------------|----------------------|------------------|-------------------|--------------------|
| <b>New Mexico Water Quality Control Commission Human Health Standard Maximum Allowable Concentration</b> |             |                    | <b>0.005 mg/L</b> | <b>1.0 mg/L</b> | <b>0.7 mg/L</b>      | <b>0.62 mg/L</b> |                   | <b>250.0 mg/L*</b> |
|  | 06/19/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>60.2</b>        |
|  | 09/30/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>53.2</b>        |
|  | 12/15/14    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.1</b>        |
|  | 03/24/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>56.9</b>        |
|  | 06/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>52.4</b>        |
|  | 09/08/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.8</b>        |
|  | 12/18/15    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>51.0</b>        |
|  | 03/15/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>55.9</b>        |
| <b>MW-3 Cont.</b>  | 06/30/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>53.4</b>        |
|  | 09/29/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>49.0</b>        |
|  | 12/07/16    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>54.6</b>        |
|  | 03/03/17    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>55.1</b>        |
|  | 06/08/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>48.4</b>        |
|  | 08/30/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>49.3</b>        |
|  | 11/20/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.5</b>        |
|  | 02/21/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>52.7</b>        |
|  | 05/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.9</b>        |
|  | 08/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>56.7</b>        |
|  | 11/15/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>56.4</b>        |
|  | 02/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>52.8</b>        |
|  | 05/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>50.3</b>        |
|  | 08/07/19    | -                  | <0.0060           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.9</b>        |
|  | 11/15/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>55.4</b>        |
| <b>MW-4</b>  | 09/29/16    | -                  | <0.005            | <0.005          | <0.005               | <0.015           | <0.015            | <b>696</b>         |
|  | 12/07/16    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>1,010</b>       |
|  | 03/03/17    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>1,080</b>       |
|  | 06/08/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>923</b>         |
|  | 08/30/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>905</b>         |
|  | 11/20/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,270</b>       |
|  | 02/21/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,110</b>       |
|  | 05/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>985</b>         |
|  | 08/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>877</b>         |
|  | 11/15/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,090</b>       |
| <b>Dup</b>   | 11/15/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,100</b>       |
|  | 02/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,010</b>       |
| <b>Dup</b>   | 02/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,020</b>       |

212C-MD-02091

**TABLE 2**  
**Glenn Springs Holdings, Inc.**  
**E. M. Elliott Tank Battery**  
**Summary of Analysis of Groundwater Samples**  
**Lea County, New Mexico**

| Sample ID  | Sample Date | PSH Thickness (ft) | Benzene (mg/L)    | Toluene (mg/L)  | Ethyl-benzene (mg/l) | Xylene (mg/L)    | Total BTEX (mg/l) | Chloride (mg/L)    |
|--|-------------|--------------------|-------------------|-----------------|----------------------|------------------|-------------------|--------------------|
| <b>New Mexico Water Quality Control Commission Human Health Standard Maximum Allowable Concentration</b> |             |                    | <b>0.005 mg/L</b> | <b>1.0 mg/L</b> | <b>0.7 mg/L</b>      | <b>0.62 mg/L</b> |                   | <b>250.0 mg/L*</b> |
|  | 05/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>998</b>         |
| <b>Dup</b>   | 05/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,030</b>       |
| <b>MW-4 Cont.</b>  | 08/07/19    | -                  | <0.0060           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>933</b>         |
| <b>Dup</b>   | 08/07/19    | -                  | <0.0060           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>931</b>         |
|  | 11/15/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,000</b>       |
| <b>Dup</b>   | 11/15/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>1,010</b>       |
| <b>MW-5</b>  | 09/29/16    | -                  | <0.005            | <b>0.0011 J</b> | <0.005               | <0.015           | <b>0.0011 J</b>   | <b>61.8</b>        |
|  | 12/07/16    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>51.6</b>        |
|  | 03/03/17    | -                  | <0.005            | <0.005          | <0.005               | <0.005           | <0.005            | <b>51.2</b>        |
|  | 06/08/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>45.8</b>        |
|  | 08/30/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>47.2</b>        |
|  | 11/20/17    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>52.7</b>        |
|  | 02/21/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>51.3</b>        |
|  | 05/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>54.1</b>        |
|  | 08/24/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>51.0</b>        |
|  | 11/15/18    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>52.2</b>        |
|  | 02/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>48.9</b>        |
|  | 05/08/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>58.3</b>        |
|  | 08/07/19    | -                  | <0.0060           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>50.4</b>        |
|  | 11/15/19    | -                  | <0.0050           | <0.0050         | <0.0050              | <0.0050          | <0.0050           | <b>49.6</b>        |

( - ) Not Analyzed

NA - Not Analyzed, sample vials were broken during delivery to the laboratory

\* - Other Standard for Domestic Water Supply

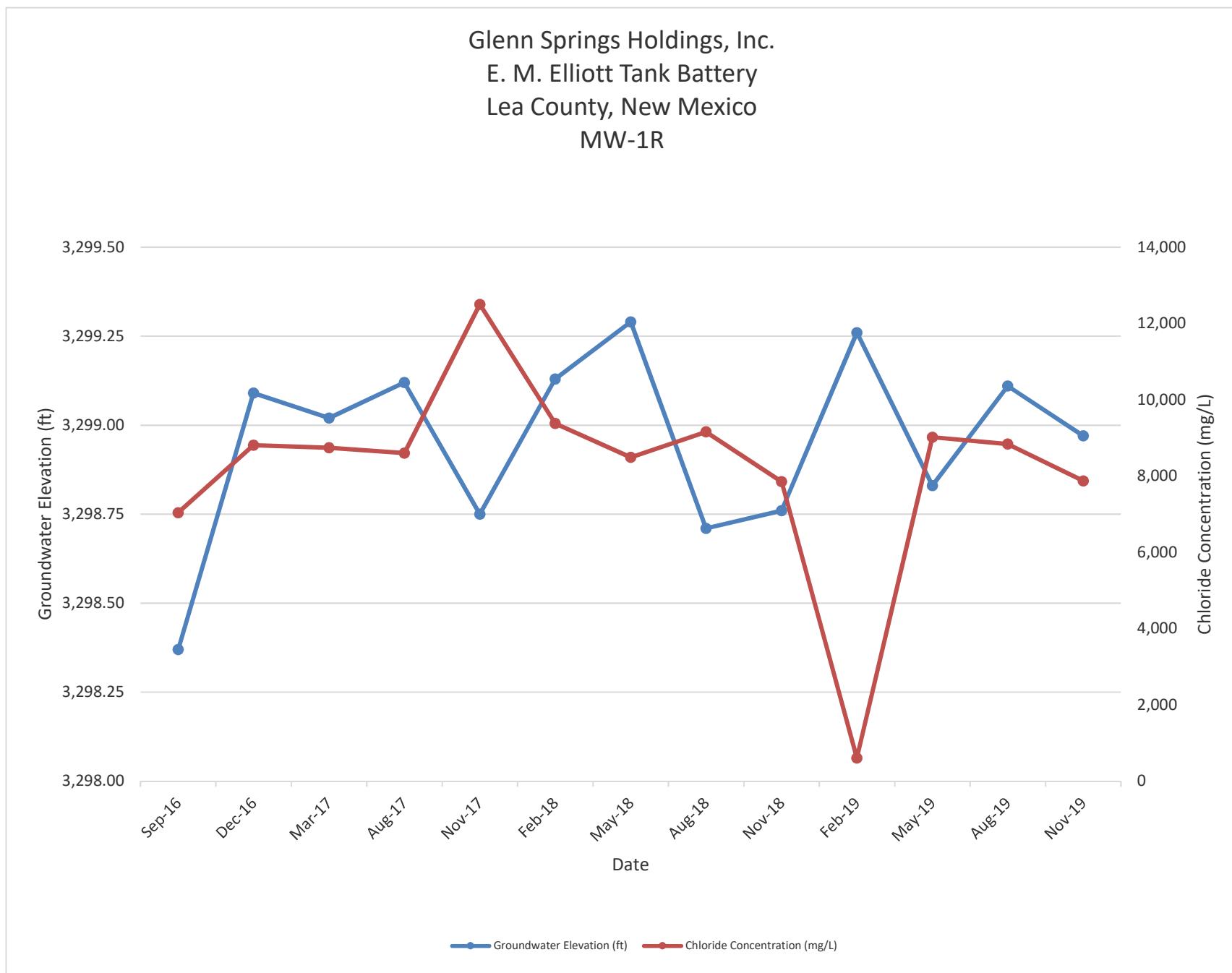
( J ) Analyte detected below quantitation limit

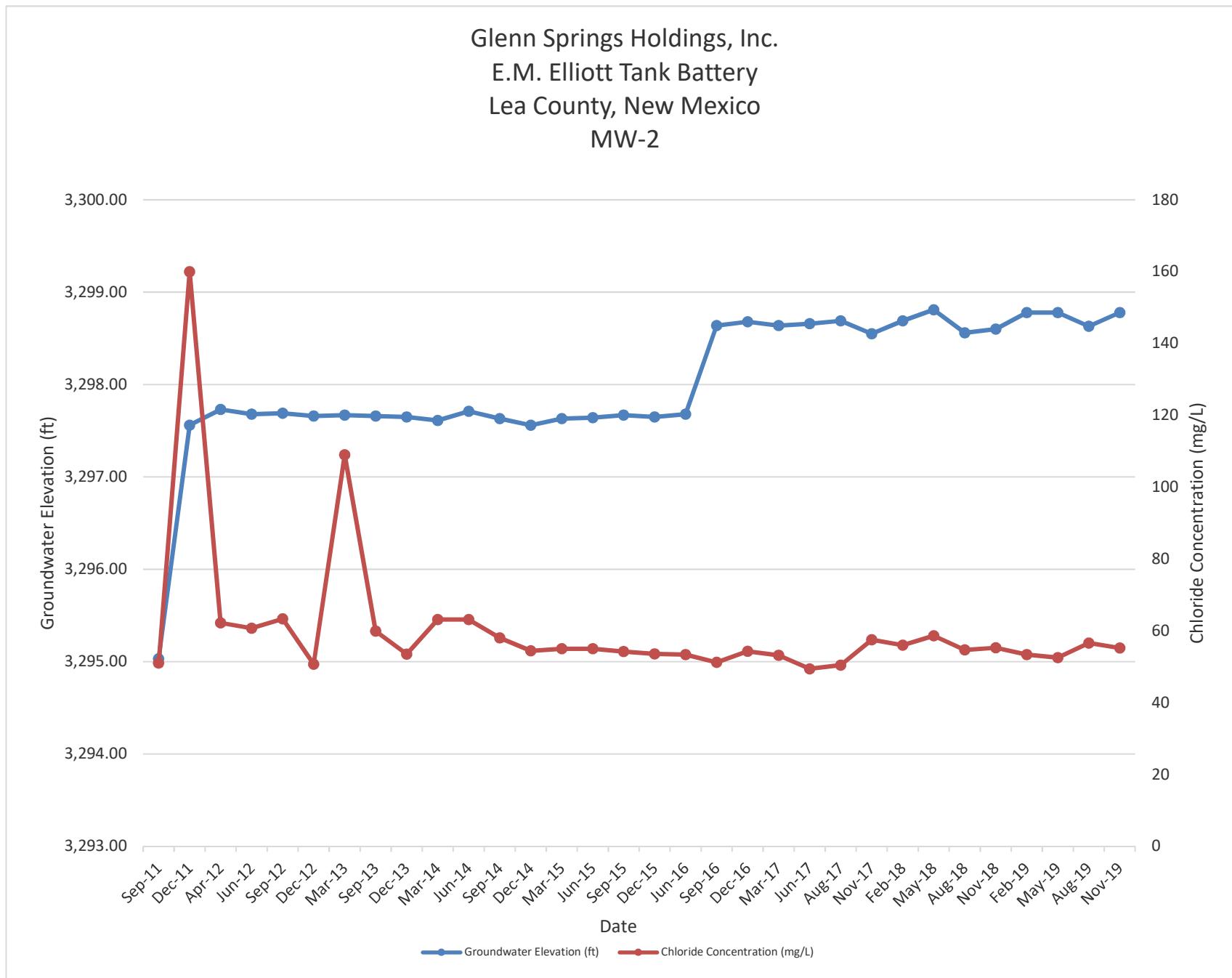
MW-4 and MW-5 drilled on 9/7/16, MW-1R drilled on 09/08/16

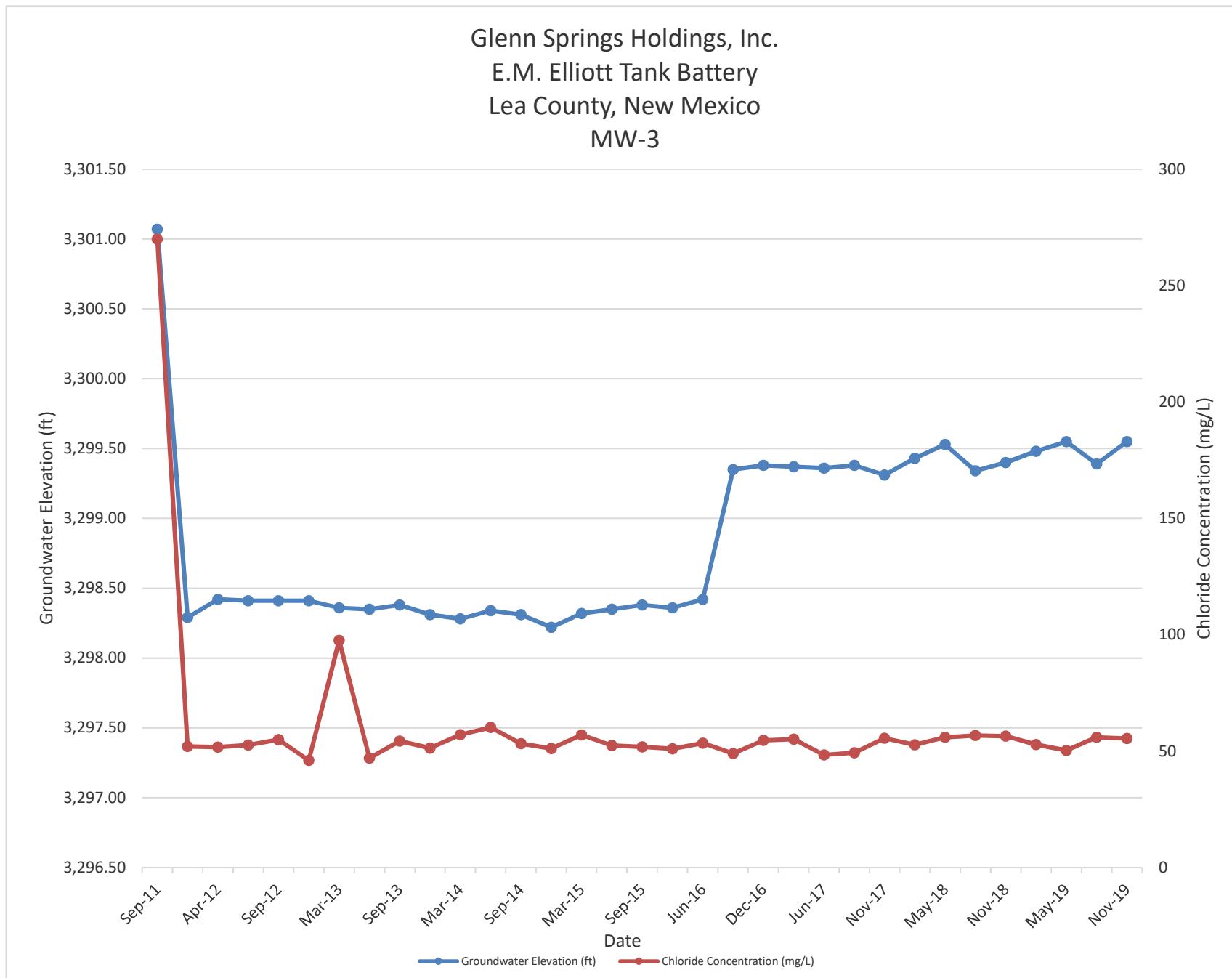
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## ***Appendix A – Graphs***

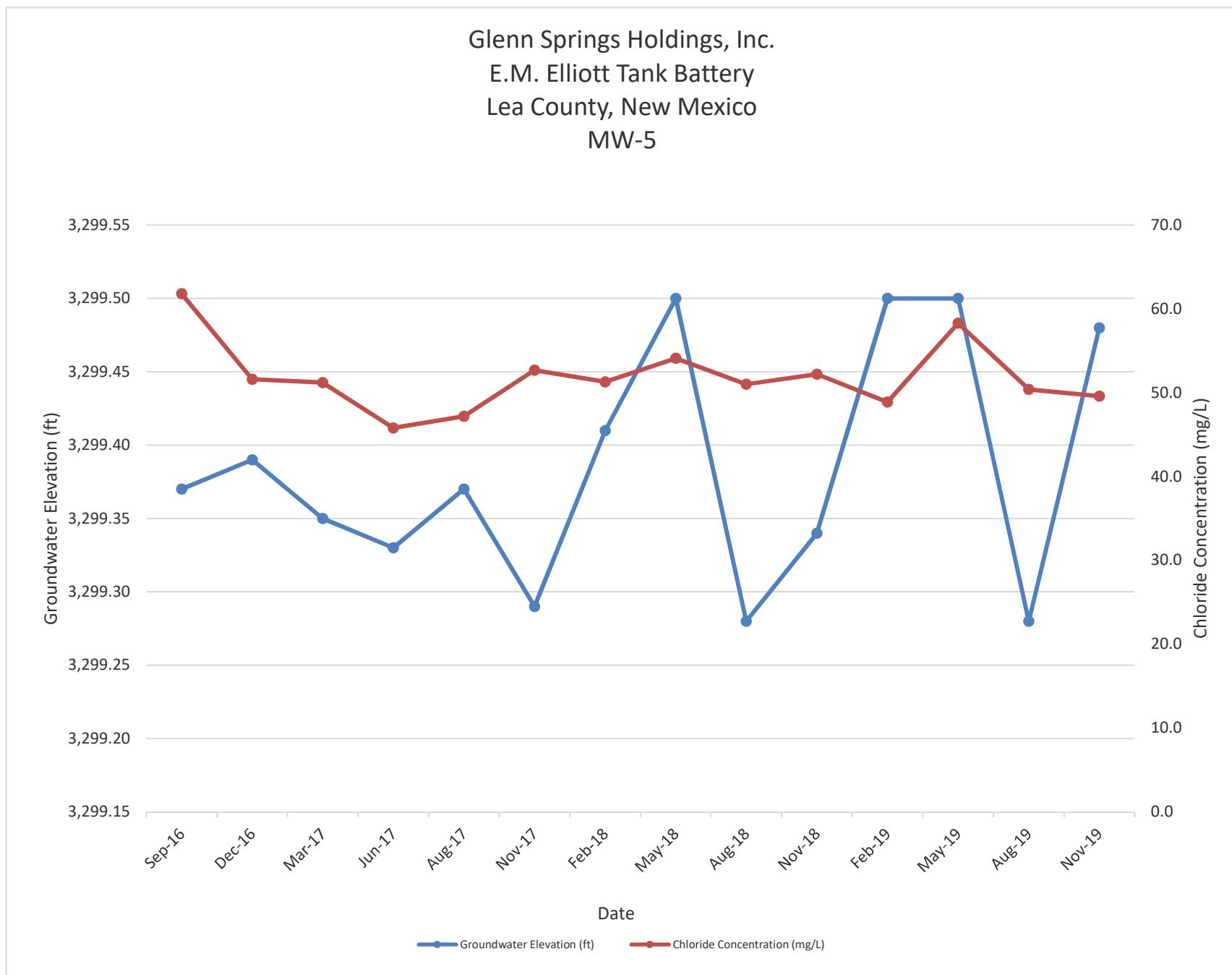
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## **Appendix B – Lab Reports**

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10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

February 26, 2019

Todd Wells  
Glenn Springs Holdings, Inc.  
PO Box 2148

Houston, TX 77252-2148

Work Order: **HS19020614**

Laboratory Results for: **55626DM GSHI PXP Elliot E.M. Federal TB**

Dear Todd,

ALS Environmental received 7 sample(s) on Feb 12, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Dane J. Wacasey".

Generated By: DAYNA.FISHER

Dane J. Wacasey

**ALS Houston, US**

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19020614

**SAMPLE SUMMARY**

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS19020614-01 | MW-1R            | Groundwater |       | 08-Feb-2019 13:10 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-02 | MW-2             | Groundwater |       | 08-Feb-2019 12:50 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-03 | MW-3             | Groundwater |       | 08-Feb-2019 12:25 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-04 | MW-4             | Groundwater |       | 08-Feb-2019 12:40 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-05 | MW-5             | Groundwater |       | 08-Feb-2019 12:20 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-06 | DUP              | Groundwater |       | 08-Feb-2019 00:00 | 12-Feb-2019 08:26 | <input type="checkbox"/> |
| HS19020614-07 | Trip Blank       | Groundwater |       | 08-Feb-2019 00:00 | 12-Feb-2019 08:26 | <input type="checkbox"/> |

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19020614

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**CASE NARRATIVE**

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**GCMS Volatiles by Method SW8260**

**Batch ID: R332915**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

**Batch ID: R332802**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

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**WetChemistry by Method E300**

**Batch ID: R333414**

**Sample ID: MW-3 (HS19020614-03MSD)**

- The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Chloride)

ALS Houston, US

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-1R  
 Collection Date: 08-Feb-2019 13:10

**ANALYTICAL REPORT**  
 WorkOrder:HS19020614  
 Lab ID:HS19020614-01  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:00 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:00 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:00 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:00 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 86.4   |      |         | 70-126               | %REC  | 1               | 13-Feb-2019 19:00 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 97.1   |      |         | 82-124               | %REC  | 1               | 13-Feb-2019 19:00 |
| <i>Surr: Dibromofluoromethane</i>  | 92.5   |      |         | 77-123               | %REC  | 1               | 13-Feb-2019 19:00 |
| <i>Surr: Toluene-d8</i>            | 98.4   |      |         | 82-127               | %REC  | 1               | 13-Feb-2019 19:00 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 608    |      | 10.0    | 25.0                 | mg/L  | 50              | 23-Feb-2019 22:14 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-2  
 Collection Date: 08-Feb-2019 12:50

**ANALYTICAL REPORT**  
 WorkOrder:HS19020614  
 Lab ID:HS19020614-02  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:24 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:24 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:24 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 19:24 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 86.3   |      |         | 70-126               | %REC  | 1               | 13-Feb-2019 19:24 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 97.4   |      |         | 82-124               | %REC  | 1               | 13-Feb-2019 19:24 |
| <i>Surr: Dibromofluoromethane</i>  | 93.4   |      |         | 77-123               | %REC  | 1               | 13-Feb-2019 19:24 |
| <i>Surr: Toluene-d8</i>            | 97.4   |      |         | 82-127               | %REC  | 1               | 13-Feb-2019 19:24 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 53.4   |      | 0.200   | 0.500                | mg/L  | 1               | 23-Feb-2019 22:28 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19020614  
 Sample ID: MW-3 Lab ID:HS19020614-03  
 Collection Date: 08-Feb-2019 12:25 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Feb-2019 19:48 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 19:48 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 19:48 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 19:48 |
| Surr: 1,2-Dichloroethane-d4 | 86.0   |                      |         | 70-126       | %REC  | 1               | 13-Feb-2019 19:48 |
| Surr: 4-Bromofluorobenzene  | 99.4   |                      |         | 82-124       | %REC  | 1               | 13-Feb-2019 19:48 |
| Surr: Dibromofluoromethane  | 92.6   |                      |         | 77-123       | %REC  | 1               | 13-Feb-2019 19:48 |
| Surr: Toluene-d8            | 97.1   |                      |         | 82-127       | %REC  | 1               | 13-Feb-2019 19:48 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 52.8   |                      | 0.200   | 0.500        | mg/L  | 1               | 23-Feb-2019 23:41 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc.  
Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
Sample ID: MW-4  
Collection Date: 08-Feb-2019 12:40

**ANALYTICAL REPORT**  
WorkOrder:HS19020614  
Lab ID:HS19020614-04  
Matrix:Groundwater

| ANALYSES                    | RESULT               | QUAL | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|----------------------|------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  | <b>Method:SW8260</b> |      |         |              |       | Analyst: PC     |                   |
| Benzene                     | U                    |      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Feb-2019 20:13 |
| Ethylbenzene                | U                    |      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 20:13 |
| Toluene                     | U                    |      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 20:13 |
| Xylenes, Total              | U                    |      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Feb-2019 20:13 |
| Surr: 1,2-Dichloroethane-d4 | 86.4                 |      |         | 70-126       | %REC  | 1               | 13-Feb-2019 20:13 |
| Surr: 4-Bromofluorobenzene  | 98.2                 |      |         | 82-124       | %REC  | 1               | 13-Feb-2019 20:13 |
| Surr: Dibromofluoromethane  | 93.2                 |      |         | 77-123       | %REC  | 1               | 13-Feb-2019 20:13 |
| Surr: Toluene-d8            | 95.8                 |      |         | 82-127       | %REC  | 1               | 13-Feb-2019 20:13 |
| <b>ANIONS BY E300.0</b>     | <b>Method:E300</b>   |      |         |              |       | Analyst: KMU    |                   |
| Chloride                    | 1,010                |      | 10.0    | 25.0         | mg/L  | 50              | 23-Feb-2019 22:43 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-5  
 Collection Date: 08-Feb-2019 12:20

**ANALYTICAL REPORT**  
 WorkOrder:HS19020614  
 Lab ID:HS19020614-05  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 13-Feb-2019 23:01 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 23:01 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 23:01 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Feb-2019 23:01 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 86.9   |      |         | 70-126               | %REC  | 1               | 13-Feb-2019 23:01 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 98.5   |      |         | 82-124               | %REC  | 1               | 13-Feb-2019 23:01 |
| <i>Surr: Dibromofluoromethane</i>  | 93.5   |      |         | 77-123               | %REC  | 1               | 13-Feb-2019 23:01 |
| <i>Surr: Toluene-d8</i>            | 95.8   |      |         | 82-127               | %REC  | 1               | 13-Feb-2019 23:01 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 48.9   |      | 0.200   | 0.500                | mg/L  | 1               | 23-Feb-2019 22:57 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19020614  
 Sample ID: DUP Lab ID:HS19020614-06  
 Collection Date: 08-Feb-2019 00:00 Matrix:Groundwater

| ANALYSES  | RESULT | QUAL | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|---|--------|------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b> <b>Method:SW8260</b> Analyst: PC |        |      |         |              |       |                 |                   |
| Benzene   | U      |      | 0.00060 | 0.0050       | mg/L  | 1               | 14-Feb-2019 00:37 |
| Ethylbenzene  | U      |      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 00:37 |
| Toluene   | U      |      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 00:37 |
| Xylenes, Total  | U      |      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 00:37 |
| Surr: 1,2-Dichloroethane-d4                                 | 88.1   |      |         | 70-126       | %REC  | 1               | 14-Feb-2019 00:37 |
| Surr: 4-Bromofluorobenzene                                  | 98.5   |      |         | 82-124       | %REC  | 1               | 14-Feb-2019 00:37 |
| Surr: Dibromofluoromethane                                  | 94.1   |      |         | 77-123       | %REC  | 1               | 14-Feb-2019 00:37 |
| Surr: Toluene-d8  | 95.6   |      |         | 82-127       | %REC  | 1               | 14-Feb-2019 00:37 |
| <b>ANIONS BY E300.0</b> <b>Method:E300</b> Analyst: KMU     |        |      |         |              |       |                 |                   |
| Chloride  | 1,020  |      | 10.0    | 25.0         | mg/L  | 50              | 24-Feb-2019 00:25 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 26-Feb-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: Trip Blank  
 Collection Date: 08-Feb-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19020614  
 Lab ID:HS19020614-07  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 14-Feb-2019 01:01 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 01:01 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 01:01 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 14-Feb-2019 01:01 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 88.3   |                      |         | 70-126       | %REC  | 1               | 14-Feb-2019 01:01 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 96.5   |                      |         | 82-124       | %REC  | 1               | 14-Feb-2019 01:01 |
| <i>Surr: Dibromofluoromethane</i>  | 93.4   |                      |         | 77-123       | %REC  | 1               | 14-Feb-2019 01:01 |
| <i>Surr: Toluene-d8</i>            | 97.6   |                      |         | 82-127       | %REC  | 1               | 14-Feb-2019 01:01 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**DATES REPORT**

| Sample ID       | Client Samp ID | Collection Date                        | TCLP Date | Prep Date | Analysis Date              | DF |
|-----------------|----------------|--|-----------|-----------|----------------------------|----|
| <b>Batch ID</b> | R332802        | <b>Test Name :</b> VOLATILES - SW8260C |           |           | <b>Matrix:</b> Groundwater |    |
| HS19020614-01   | MW-1R          | 08 Feb 2019 13:10                      |           |           | 13 Feb 2019 19:00          | 1  |
| HS19020614-02   | MW-2           | 08 Feb 2019 12:50                      |           |           | 13 Feb 2019 19:24          | 1  |
| HS19020614-03   | MW-3           | 08 Feb 2019 12:25                      |           |           | 13 Feb 2019 19:48          | 1  |
| HS19020614-04   | MW-4           | 08 Feb 2019 12:40                      |           |           | 13 Feb 2019 20:13          | 1  |
| <b>Batch ID</b> | R332915        | <b>Test Name :</b> VOLATILES - SW8260C |           |           | <b>Matrix:</b> Groundwater |    |
| HS19020614-05   | MW-5           | 08 Feb 2019 12:20                      |           |           | 13 Feb 2019 23:01          | 1  |
| HS19020614-06   | DUP            | 08 Feb 2019 00:00                      |           |           | 14 Feb 2019 00:37          | 1  |
| HS19020614-07   | Trip Blank     | 08 Feb 2019 00:00                      |           |           | 14 Feb 2019 01:01          | 1  |
| <b>Batch ID</b> | R333414        | <b>Test Name :</b> ANIONS BY E300.0    |           |           | <b>Matrix:</b> Groundwater |    |
| HS19020614-01   | MW-1R          | 08 Feb 2019 13:10                      |           |           | 23 Feb 2019 22:14          | 50 |
| HS19020614-02   | MW-2           | 08 Feb 2019 12:50                      |           |           | 23 Feb 2019 22:28          | 1  |
| HS19020614-03   | MW-3           | 08 Feb 2019 12:25                      |           |           | 23 Feb 2019 23:41          | 1  |
| HS19020614-04   | MW-4           | 08 Feb 2019 12:40                      |           |           | 23 Feb 2019 22:43          | 50 |
| HS19020614-05   | MW-5           | 08 Feb 2019 12:20                      |           |           | 23 Feb 2019 22:57          | 1  |
| HS19020614-06   | DUP            | 08 Feb 2019 00:00                      |           |           | 24 Feb 2019 00:25          | 50 |

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R332802           |                            | Instrument: VOA6 |           | Method: SW8260                   |      |               |                               |
|-----------------------------|----------------------------|------------------|-----------|----------------------------------|------|---------------|-------------------------------|
| MLBK                        | Sample ID: VBLKW-190213    | Units: ug/L      |           | Analysis Date: 13-Feb-2019 10:51 |      |               |                               |
| Client ID:                  | Run ID: VOA6_332802        | SeqNo: 4948445   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Ethylbenzene                | U                          | 5.0              |           |                                  |      |               |                               |
| Toluene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Xylenes, Total              | U                          | 5.0              |           |                                  |      |               |                               |
| Surr: 1,2-Dichloroethane-d4 | 43.19                      | 0                | 50        | 0                                | 86.4 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 48.34                      | 0                | 50        | 0                                | 96.7 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 46.41                      | 0                | 50        | 0                                | 92.8 | 73 - 126      |                               |
| Surr: Toluene-d8            | 48.69                      | 0                | 50        | 0                                | 97.4 | 81 - 120      |                               |
| LCS                         | Sample ID: VLCSW-190213    | Units: ug/L      |           | Analysis Date: 13-Feb-2019 10:02 |      |               |                               |
| Client ID:                  | Run ID: VOA6_332802        | SeqNo: 4948444   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 19.15                      | 5.0              | 20        | 0                                | 95.7 | 74 - 120      |                               |
| Ethylbenzene                | 19.3                       | 5.0              | 20        | 0                                | 96.5 | 77 - 117      |                               |
| Toluene                     | 18.8                       | 5.0              | 20        | 0                                | 94.0 | 77 - 118      |                               |
| Xylenes, Total              | 56.32                      | 5.0              | 60        | 0                                | 93.9 | 75 - 122      |                               |
| Surr: 1,2-Dichloroethane-d4 | 43.42                      | 0                | 50        | 0                                | 86.8 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 49.03                      | 0                | 50        | 0                                | 98.1 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 47.13                      | 0                | 50        | 0                                | 94.3 | 73 - 126      |                               |
| Surr: Toluene-d8            | 48.54                      | 0                | 50        | 0                                | 97.1 | 81 - 120      |                               |
| MS                          | Sample ID: HS19020361-12MS | Units: ug/L      |           | Analysis Date: 13-Feb-2019 13:24 |      |               |                               |
| Client ID:                  | Run ID: VOA6_332802        | SeqNo: 4948448   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 20.59                      | 5.0              | 20        | 0                                | 103  | 70 - 127      |                               |
| Ethylbenzene                | 20.96                      | 5.0              | 20        | 0                                | 105  | 70 - 124      |                               |
| Toluene                     | 20.02                      | 5.0              | 20        | 0                                | 100  | 70 - 123      |                               |
| Xylenes, Total              | 59.67                      | 5.0              | 60        | 0                                | 99.5 | 70 - 130      |                               |
| Surr: 1,2-Dichloroethane-d4 | 45.03                      | 0                | 50        | 0                                | 90.1 | 70 - 126      |                               |
| Surr: 4-Bromofluorobenzene  | 49.08                      | 0                | 50        | 0                                | 98.2 | 82 - 124      |                               |
| Surr: Dibromofluoromethane  | 48.69                      | 0                | 50        | 0                                | 97.4 | 77 - 123      |                               |
| Surr: Toluene-d8            | 48.83                      | 0                | 50        | 0                                | 97.7 | 82 - 127      |                               |

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R332802                  |                             | Instrument: VOA6 |         | Method: SW8260                   |           |               |               |       |                |
|------------------------------------|-----------------------------|------------------|---------|----------------------------------|-----------|---------------|---------------|-------|----------------|
| MSD                                | Sample ID: HS19020361-12MSD | Units: ug/L      |         | Analysis Date: 13-Feb-2019 13:48 |           |               |               |       |                |
| Client ID:                         | Run ID: VOA6_332802         |                  |         | SeqNo: 4948449                   | PrepDate: | DF: 1         |               |       |                |
| Analyte                            | Result                      | PQL              | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Benzene                            | 18.66                       | 5.0              | 20      | 0                                | 93.3      | 70 - 127      | 20.59         | 9.84  | 20             |
| Ethylbenzene                       | 19.17                       | 5.0              | 20      | 0                                | 95.8      | 70 - 124      | 20.96         | 8.95  | 20             |
| Toluene                            | 18.23                       | 5.0              | 20      | 0                                | 91.2      | 70 - 123      | 20.02         | 9.37  | 20             |
| Xylenes, Total                     | 55.58                       | 5.0              | 60      | 0                                | 92.6      | 70 - 130      | 59.67         | 7.11  | 20             |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 43.85                       | 0                | 50      | 0                                | 87.7      | 70 - 126      | 45.03         | 2.65  | 20             |
| <i>Surr: 4-Bromofluorobenzene</i>  | 48.83                       | 0                | 50      | 0                                | 97.7      | 82 - 124      | 49.08         | 0.506 | 20             |
| <i>Surr: Dibromofluoromethane</i>  | 47.5                        | 0                | 50      | 0                                | 95.0      | 77 - 123      | 48.69         | 2.47  | 20             |
| <i>Surr: Toluene-d8</i>            | 48.45                       | 0                | 50      | 0                                | 96.9      | 82 - 127      | 48.83         | 0.789 | 20             |

The following samples were analyzed in this batch: HS19020614-01 HS19020614-02 HS19020614-03 HS19020614-04

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R332915           |                            | Instrument: VOA6 |           | Method: SW8260                   |      |               |                               |
|-----------------------------|----------------------------|------------------|-----------|----------------------------------|------|---------------|-------------------------------|
| MLBK                        | Sample ID: VBLKW-190213    | Units: ug/L      |           | Analysis Date: 13-Feb-2019 22:37 |      |               |                               |
| Client ID:                  | Run ID: VOA6_332915        | SeqNo: 4951154   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Ethylbenzene                | U                          | 5.0              |           |                                  |      |               |                               |
| Toluene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Xylenes, Total              | U                          | 5.0              |           |                                  |      |               |                               |
| Surr: 1,2-Dichloroethane-d4 | 43.86                      | 0                | 50        | 0                                | 87.7 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 48.31                      | 0                | 50        | 0                                | 96.6 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 47.34                      | 0                | 50        | 0                                | 94.7 | 73 - 126      |                               |
| Surr: Toluene-d8            | 49.61                      | 0                | 50        | 0                                | 99.2 | 81 - 120      |                               |
| LCS                         | Sample ID: VLCSW-190213    | Units: ug/L      |           | Analysis Date: 13-Feb-2019 21:49 |      |               |                               |
| Client ID:                  | Run ID: VOA6_332915        | SeqNo: 4951153   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 19.48                      | 5.0              | 20        | 0                                | 97.4 | 74 - 120      |                               |
| Ethylbenzene                | 19.21                      | 5.0              | 20        | 0                                | 96.1 | 77 - 117      |                               |
| Toluene                     | 18.88                      | 5.0              | 20        | 0                                | 94.4 | 77 - 118      |                               |
| Xylenes, Total              | 56.33                      | 5.0              | 60        | 0                                | 93.9 | 75 - 122      |                               |
| Surr: 1,2-Dichloroethane-d4 | 43.66                      | 0                | 50        | 0                                | 87.3 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 49.78                      | 0                | 50        | 0                                | 99.6 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 48.28                      | 0                | 50        | 0                                | 96.6 | 73 - 126      |                               |
| Surr: Toluene-d8            | 48.2                       | 0                | 50        | 0                                | 96.4 | 81 - 120      |                               |
| MS                          | Sample ID: HS19020614-05MS | Units: ug/L      |           | Analysis Date: 13-Feb-2019 23:25 |      |               |                               |
| Client ID: MW-5             | Run ID: VOA6_332915        | SeqNo: 4951156   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 20.31                      | 5.0              | 20        | 0                                | 102  | 70 - 127      |                               |
| Ethylbenzene                | 20.42                      | 5.0              | 20        | 0                                | 102  | 70 - 124      |                               |
| Toluene                     | 19.82                      | 5.0              | 20        | 0                                | 99.1 | 70 - 123      |                               |
| Xylenes, Total              | 59.35                      | 5.0              | 60        | 0                                | 98.9 | 70 - 130      |                               |
| Surr: 1,2-Dichloroethane-d4 | 43.23                      | 0                | 50        | 0                                | 86.5 | 70 - 126      |                               |
| Surr: 4-Bromofluorobenzene  | 49.91                      | 0                | 50        | 0                                | 99.8 | 82 - 124      |                               |
| Surr: Dibromofluoromethane  | 47.94                      | 0                | 50        | 0                                | 95.9 | 77 - 123      |                               |
| Surr: Toluene-d8            | 48                         | 0                | 50        | 0                                | 96.0 | 82 - 127      |                               |

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R332915                  |                             | Instrument: VOA6 |         | Method: SW8260                   |           |               |               |       |                |
|------------------------------------|-----------------------------|------------------|---------|----------------------------------|-----------|---------------|---------------|-------|----------------|
| MSD                                | Sample ID: HS19020614-05MSD | Units: ug/L      |         | Analysis Date: 13-Feb-2019 23:49 |           |               |               |       |                |
| Client ID: MW-5                    | Run ID: VOA6_332915         |                  |         | SeqNo: 4951157                   | PrepDate: | DF: 1         |               |       |                |
| Analyte                            | Result                      | PQL              | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value | %RPD  | RPD Limit Qual |
| Benzene                            | 19.83                       | 5.0              | 20      | 0                                | 99.1      | 70 - 127      | 20.31         | 2.42  | 20             |
| Ethylbenzene                       | 20.63                       | 5.0              | 20      | 0                                | 103       | 70 - 124      | 20.42         | 1.02  | 20             |
| Toluene                            | 19.78                       | 5.0              | 20      | 0                                | 98.9      | 70 - 123      | 19.82         | 0.221 | 20             |
| Xylenes, Total                     | 59.23                       | 5.0              | 60      | 0                                | 98.7      | 70 - 130      | 59.35         | 0.214 | 20             |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 43.28                       | 0                | 50      | 0                                | 86.6      | 70 - 126      | 43.23         | 0.112 | 20             |
| <i>Surr: 4-Bromofluorobenzene</i>  | 48.34                       | 0                | 50      | 0                                | 96.7      | 82 - 124      | 49.91         | 3.21  | 20             |
| <i>Surr: Dibromofluoromethane</i>  | 47.69                       | 0                | 50      | 0                                | 95.4      | 77 - 123      | 47.94         | 0.53  | 20             |
| <i>Surr: Toluene-d8</i>            | 48.76                       | 0                | 50      | 0                                | 97.5      | 82 - 127      | 48            | 1.58  | 20             |

The following samples were analyzed in this batch: HS19020614-05 HS19020614-06 HS19020614-07

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R333414 |                             | Instrument: ICS2100    |         | Method: E300                     |           |               |                               |
|-------------------|-----------------------------|------------------------|---------|----------------------------------|-----------|---------------|-------------------------------|
| MBLK              | Sample ID: WBLKW2-022319    | Units: mg/L            |         | Analysis Date: 23-Feb-2019 20:46 |           |               |                               |
| Client ID:        |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962161                   | PrepDate: |               | DF: 1                         |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | U                           | 0.500                  |         |                                  |           |               |                               |
| LCS               | Sample ID: WLCSW2-022319    | Units: mg/L            |         | Analysis Date: 23-Feb-2019 21:01 |           |               |                               |
| Client ID:        |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962162                   | PrepDate: |               | DF: 1                         |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | 19.37                       | 0.500                  | 20      | 0                                | 96.8      | 90 - 110      |                               |
| LCSD              | Sample ID: WLCSDW2-022319   | Units: mg/L            |         | Analysis Date: 23-Feb-2019 21:16 |           |               |                               |
| Client ID:        |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962163                   | PrepDate: |               | DF: 1                         |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | 19.22                       | 0.500                  | 20      | 0                                | 96.1      | 90 - 110      | 19.37 0.788 20                |
| MS                | Sample ID: HS19020617-03MS  | Units: mg/L            |         | Analysis Date: 24-Feb-2019 01:23 |           |               |                               |
| Client ID:        |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962179                   | PrepDate: |               | DF: 10                        |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | 245.7                       | 5.00                   | 100     | 149.2                            | 96.5      | 80 - 120      |                               |
| MS                | Sample ID: HS19020614-03MS  | Units: mg/L            |         | Analysis Date: 23-Feb-2019 23:56 |           |               |                               |
| Client ID: MW-3   |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962173                   | PrepDate: |               | DF: 1                         |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | 61.03                       | 0.500                  | 10      | 52.82                            | 82.1      | 80 - 120      | O                             |
| MSD               | Sample ID: HS19020617-03MSD | Units: mg/L            |         | Analysis Date: 24-Feb-2019 01:37 |           |               |                               |
| Client ID:        |                             | Run ID: ICS2100_333414 |         | SeqNo: 4962180                   | PrepDate: |               | DF: 10                        |
| Analyte           | Result                      | PQL                    | SPK Val | SPK Ref Value                    | %REC      | Control Limit | RPD Ref Value %RPD Limit Qual |
| Chloride          | 245.5                       | 5.00                   | 100     | 149.2                            | 96.3      | 80 - 120      | 245.7 0.0757 20               |

ALS Houston, US

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QC BATCH REPORT**

| Batch ID: R333414                                  |                             | Instrument: ICS2100    |               | Method: E300   |                                  |               |               |          |            |    |
|--|-----------------------------|------------------------|---------------|----------------|----------------------------------|---------------|---------------|----------|------------|----|
| MSD  | Sample ID: HS19020614-03MSD |                        |               | Units: mg/L    | Analysis Date: 24-Feb-2019 00:10 |               |               |          |            |    |
| Client ID: MW-3                                    |                             | Run ID: ICS2100_333414 |               | SeqNo: 4962174 | PrepDate:                        |               |               | DF: 1    |            |    |
| Analyte  | Result                      | PQL                    | SPK Val       | SPK Ref Value  | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | Limit Qual |    |
| Chloride   | 60.43                       | 0.500                  | 10            | 52.82          | 76.1                             | 80 - 120      | 61.03         | 0.983    | 20         | SO |
| The following samples were analyzed in this batch: |                             |                        |               |                |                                  |               |               |          |            |    |
|  | HS19020614-01               |                        | HS19020614-02 |                | HS19020614-03                    |               | HS19020614-04 |          |            |    |
|  | HS19020614-05               |                        | HS19020614-06 |                |                                  |               |               |          |            |    |

**ALS Houston, US**

Date: 26-Feb-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19020614

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>  |
|------------------|---|
| *                | Value exceeds Regulatory Limit  |
| a                | Not accredited  |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit |
| E                | Value above quantitation range  |
| H                | Analyzed outside of Holding Time  |
| J                | Analyte detected below quantitation limit                                 |
| M                | Manually integrated, see raw data for justification                       |
| n                | Not offered for accreditation   |
| ND               | Not Detected at the Reporting Limit                                       |
| O                | Sample amount is > 4 times amount spiked                                  |
| P                | Dual Column results percent difference > 40%                              |
| R                | RPD above laboratory control limit  |
| S                | Spike Recovery outside laboratory control limits                          |
| U                | Analyzed but not detected above the MDL/SDL                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| DCS            | Detectability Check Study           |
| DUP            | Method Duplicate                    |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MQL            | Method Quantitation Limit           |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PDS            | Post Digestion Spike                |
| PQL            | Practical Quantitaion Limit         |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

| <b>Unit Reported</b> | <b>Description</b>   |
|----------------------|----------------------|
| mg/L                 | Milligrams per Liter |

**ALS Houston, US**

Date: 26-Feb-19

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

| Agency          | Number            | Expire Date |
|-----------------|-------------------|-------------|
| Arkansas        | 88-0356           | 27-Mar-2019 |
| Texas           | T10470231-18-21   | 30-Apr-2019 |
| North Dakota    | R193 2018-2019    | 30-Apr-2019 |
| Illinois        | 004438            | 29-Jun-2019 |
| Louisiana       | 03087             | 30-Jun-2019 |
| Dept of Defense | ANAB L2231        | 20-Dec-2021 |
| Kentucky        | 123043 - 2018     | 30-Apr-2019 |
| Kansas          | E-10352 2018-2019 | 31-Jul-2019 |
| Oklahoma        | 2018-156          | 31-Aug-2019 |
| North Carolina  | 624-2019          | 31-Dec-2019 |
| California      | 2919, 2018-2019   | 30-Apr-2019 |
| Maryland        | 343, 2018-2019    | 30-Jun-2019 |

ALS Houston, US

Date: 26-Feb-19

**Sample Receipt Checklist**

Client Name: Glen Springs/CRA Date/Time Received: 12-Feb-2019 08:26  
 Work Order: HS19020614 Received by: PMG

|                         |                                     |                     |              |                                      |                     |
|-------------------------|-------------------------------------|---------------------|--------------|--------------------------------------|---------------------|
| Checklist completed by: | <u>Jared R. Makan</u><br>eSignature | 12-Feb-2019<br>Date | Reviewed by: | <u>Dane J. Wacasey</u><br>eSignature | 17-Feb-2019<br>Date |
|-------------------------|-------------------------------------|---------------------|--------------|--------------------------------------|---------------------|

Matrices: Water Carrier name: FedEx

|   |   |  |   |
|---|---|--|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | COC IDs:198569                                  |
| Samplers name present on COC?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |
| Chain of custody agrees with sample labels?             | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |   |

|                                      |                  |      |
|--------------------------------------|------------------|------|
| Temperature(s)/Thermometer(s):       | 1.1c/1.4c UC/C   | IR25 |
| Cooler(s)/Kit(s):                    | 44471            |      |
| Date/Time sample(s) sent to storage: | 02/12/2019 18:25 |      |

|  |   |                             |   |
|--|---|-----------------------------|---|
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted?                           | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |
| pH adjusted by:                        |   |                             |   |

Login Notes: MW-4 collection time differs: COC = 12:40, Containers = 12:50. Sample logged in per COC.

Client Contacted: \_\_\_\_\_ Date Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Regarding: \_\_\_\_\_

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

Corrective Action: \_\_\_\_\_

Cincinnati, OH  
+1 513 733 5336Fort Collins, CO  
+1 970 490 1511Everett, WA  
+1 425 356 2600Holland, MI  
+1 616 399 6070

## Chain of Custody Form

Page 1 of 1

COC ID: 198569

Houston, TX  
+1 281 530 5656Spring City, PA  
+1 610 948 4903South Charleston, WV  
+1 304 356 3168Middletown, PA  
+1 717 944 5541Salt Lake City, UT  
+1 801 266 7700York, PA  
+1 717 505 5280

| Customer Information |                              | Project Information |                                 | Parameter/Method Request for Analysis |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------------|---------------------|---------------------------------|---------------------------------------|--------------------------|--|--|--|--|--|--|--|------------|--|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV 749-4         | Project Name        | GSHI PXP Elliot E.M. Federal TB | A                                     | 8260_W (BTEX)            |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                              | Project Number      | 55626DM (ENV749A006)            | B                                     | 300_W (Chloride)         |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc. | Bill To Company     | Glenn Springs Holdings, Inc.    | C                                     | 8260_W (BTEX) Trip Blank |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Todd Wells                   | Invoice Attn        | Accounts Payable                | D                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Address              | PO Box 2148                  | Address             | PO Box 2148                     | E                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Houston, TX 77252-2148       | City/State/Zip      | Houston TX 77252-2148           | F                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Phone                |                              | Phone               |                                 | G                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                              | Fax                 |                                 | H                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| e-Mail Address       | todd.wells@tetrachem.com     | e-Mail Address      |                                 | I                                     |                          |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |
| J                    |                              |                     |                                 |                                       |                          |  |  |  |  |  |  |  | HS19020614 |  |  |  |  |  |  |  |  |  |  |  |

Glenn Springs Holdings, Inc.  
55626DM GSHI PXP Elliot E.M. Federal TB

| No. | Sample Description | Date   | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|--------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-1R              | 2-8-19 | 130  | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 2   | MW-2               | 2-8-19 | 1250 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 3   | MW-3               | 2-8-19 | 1225 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 4   | MW-4               | 2-8-19 | 1240 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 5   | MW-5               | 2-8-19 | 1220 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 6   | DUP                | 2-8-19 |      | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 7   | Trip Blank         |        |      | Water    | 1,8   | 2         |   |   | X |   |   |   |   |   |   |   |      |
| 8   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |

|  |                          |  |   |
|--|--------------------------|--|---|
| Sampler(s) Please Print & Sign<br><i>Preston Peiter</i>  | Shipment Method<br>FedEx | Required Turnaround Time: (Check Box)<br><input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour | Results Due Date:   |
| Relinquished by:<br><i>Preston Peiter</i>  | Date: 2-11-19 Time: 1500 | Received by: / /   | Notes: [GSHI PXP Elliot EM Federal TB]                                      |
| Relinquished by:   | Date: Time:              | Received by (Laboratory):<br>2/12/19 08:26 AM  | Cooler ID<br>QC Package: (Check One Box Below)                              |
| Logged by (Laboratory):  | Date: Time:              | Checked by (Laboratory):<br>2/12/19 08:26 AM   | Level II Std QC<br>Level III Std QC/Raw Data<br>Level IV SW646/CLP<br>Other |
| Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035 |                          |  | TRRP Checklist<br>TRRP Level IV   |

- Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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|  |   |   |
|--|---|---|
| <b>ALS</b><br>10450 Stancliff Rd., Suite 210<br>Houston, Texas 77099<br>Tel. +1 281 530 5656<br>Fax. +1 281 530 5887 | <b>CUSTODY SEAL</b><br>Date: <u>12-11-19</u> Time: <u>1500</u><br>Name: <u>Regina S. Gschwendtner</u><br>Company: <u>Tetra Tech</u> | Seal Broken By: <u>SMT</u><br>Date: <u>02/12/19</u> |
|--|---|---|

44471 FEB 12 2019

Must Deliver Next Business Day  
Time and Temperature Sensitive!

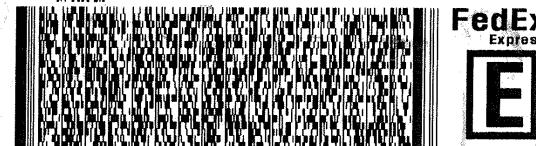


ORIGIN ID:SGRA (432) 682-4559  
TODD WELLS  
GSHI-TETRA TECH  
901 WEST WALL STREET  
STE 100  
MIDLAND, TX 79701  
UNITED STATES US

SHIP DATE: 04FEB19  
ACTWTG11.00 LB MAN  
CADD: 300192/CAFE3211  
DIMS: 19x18x13 IN

TO **CLIENT SERVICES**  
**ALS LABORATORY GROUP**  
**10450 STANCLIFF ROAD**  
**SUITE 210**  
**HOUSTON TX 77099**  
(281) 530-5656  
REF: GSHI PXP HILL-DW

RMA:



FedEx  
TRK# **4809 7830 6280**

**AB SGRA**

TUE - 12 FEB 10:30A  
PRIORITY OVERNIGHT

**77099**  
TX-US IAH



#3741120 02/11 565J2/0E3D/23HD



10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

May 21, 2019

James Abston  
Glenn Springs Holdings, Inc.  
PO Box 2148  
Houston, TX 77252-2148

Work Order: **HS19050571**

Laboratory Results for: **55626DM GSHI PXP Elliot E.M. Federal TB**

Dear James,

ALS Environmental received 7 sample(s) on May 09, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Dane J. Wacasey".

Generated By: JUMOKE.LAWAL  
Dane J. Wacasey

**ALS Houston, US**

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19050571

**SAMPLE SUMMARY**

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS19050571-01 | MW-1R            | Groundwater |       | 08-May-2019 12:15 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-02 | MW-2             | Groundwater |       | 08-May-2019 11:45 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-03 | MW-3             | Groundwater |       | 08-May-2019 12:12 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-04 | MW-4             | Groundwater |       | 08-May-2019 11:05 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-05 | MW-5             | Groundwater |       | 08-May-2019 11:00 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-06 | DUP              | Groundwater |       | 08-May-2019 00:00 | 09-May-2019 09:00 | <input type="checkbox"/> |
| HS19050571-07 | Trip Blank       | Water       |       | 08-May-2019 00:00 | 09-May-2019 09:00 | <input type="checkbox"/> |

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19050571

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**CASE NARRATIVE**

**GCMS Volatiles by Method SW8260**

**Batch ID:** R338280

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

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**WetChemistry by Method E300**

**Batch ID:** R338818

**Sample ID:** DUP (HS19050571-06MS)

- The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Chloride)
-

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
Sample ID: MW-1R  
Collection Date: 08-May-2019 12:15

**ANALYTICAL REPORT**  
WorkOrder:HS19050571  
Lab ID:HS19050571-01  
Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 | Analyst: PC       |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 12-May-2019 15:03 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 15:03 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 15:03 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 15:03 |
| Surr: 1,2-Dichloroethane-d4 | 98.3   |                      |         | 70-126       | %REC  | 1               | 12-May-2019 15:03 |
| Surr: 4-Bromofluorobenzene  | 101    |                      |         | 82-124       | %REC  | 1               | 12-May-2019 15:03 |
| Surr: Dibromofluoromethane  | 97.8   |                      |         | 77-123       | %REC  | 1               | 12-May-2019 15:03 |
| Surr: Toluene-d8            | 102    |                      |         | 82-127       | %REC  | 1               | 12-May-2019 15:03 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 | Analyst: KMU      |
| Chloride                    | 9,020  |                      | 100     | 250          | mg/L  | 500             | 20-May-2019 20:21 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-2  
 Collection Date: 08-May-2019 11:45

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-02  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 12-May-2019 17:57 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 17:57 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 17:57 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 17:57 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 96.2   |      |         | 70-126               | %REC  | 1               | 12-May-2019 17:57 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 103    |      |         | 82-124               | %REC  | 1               | 12-May-2019 17:57 |
| <i>Surr: Dibromofluoromethane</i>  | 97.3   |      |         | 77-123               | %REC  | 1               | 12-May-2019 17:57 |
| <i>Surr: Toluene-d8</i>            | 103    |      |         | 82-127               | %REC  | 1               | 12-May-2019 17:57 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 52.5   |      | 1.00    | 2.50                 | mg/L  | 5               | 20-May-2019 20:36 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-3  
 Collection Date: 08-May-2019 12:12

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-03  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 12-May-2019 18:21 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 18:21 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 18:21 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 12-May-2019 18:21 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 95.6   |      |         | 70-126               | %REC  | 1               | 12-May-2019 18:21 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 101    |      |         | 82-124               | %REC  | 1               | 12-May-2019 18:21 |
| <i>Surr: Dibromofluoromethane</i>  | 96.1   |      |         | 77-123               | %REC  | 1               | 12-May-2019 18:21 |
| <i>Surr: Toluene-d8</i>            | 101    |      |         | 82-127               | %REC  | 1               | 12-May-2019 18:21 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 50.3   |      | 1.00    | 2.50                 | mg/L  | 5               | 20-May-2019 20:51 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-4  
 Collection Date: 08-May-2019 11:05

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-04  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 12-May-2019 18:45 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 18:45 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 18:45 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 18:45 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 95.8   |                      |         | 70-126       | %REC  | 1               | 12-May-2019 18:45 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 102    |                      |         | 82-124       | %REC  | 1               | 12-May-2019 18:45 |
| <i>Surr: Dibromofluoromethane</i>  | 96.1   |                      |         | 77-123       | %REC  | 1               | 12-May-2019 18:45 |
| <i>Surr: Toluene-d8</i>            | 101    |                      |         | 82-127       | %REC  | 1               | 12-May-2019 18:45 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 998    |                      | 4.00    | 10.0         | mg/L  | 20              | 20-May-2019 21:05 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-5  
 Collection Date: 08-May-2019 11:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-05  
 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 12-May-2019 19:09 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:09 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:09 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:09 |
| Surr: 1,2-Dichloroethane-d4 | 95.7   |                      |         | 70-126       | %REC  | 1               | 12-May-2019 19:09 |
| Surr: 4-Bromofluorobenzene  | 103    |                      |         | 82-124       | %REC  | 1               | 12-May-2019 19:09 |
| Surr: Dibromofluoromethane  | 97.7   |                      |         | 77-123       | %REC  | 1               | 12-May-2019 19:09 |
| Surr: Toluene-d8            | 102    |                      |         | 82-127       | %REC  | 1               | 12-May-2019 19:09 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 58.3   |                      | 1.00    | 2.50         | mg/L  | 5               | 20-May-2019 21:20 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: DUP  
 Collection Date: 08-May-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-06  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 12-May-2019 19:33 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:33 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:33 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 19:33 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 96.5   |                      |         | 70-126       | %REC  | 1               | 12-May-2019 19:33 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 98.9   |                      |         | 82-124       | %REC  | 1               | 12-May-2019 19:33 |
| <i>Surr: Dibromofluoromethane</i>  | 98.4   |                      |         | 77-123       | %REC  | 1               | 12-May-2019 19:33 |
| <i>Surr: Toluene-d8</i>            | 102    |                      |         | 82-127       | %REC  | 1               | 12-May-2019 19:33 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 1,030  |                      | 4.00    | 10.0         | mg/L  | 20              | 20-May-2019 21:35 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 21-May-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: Trip Blank  
 Collection Date: 08-May-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19050571  
 Lab ID:HS19050571-07  
 Matrix:Water

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 12-May-2019 17:33 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 17:33 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 17:33 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 12-May-2019 17:33 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 97.6   |                      |         | 70-126       | %REC  | 1               | 12-May-2019 17:33 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 100    |                      |         | 82-124       | %REC  | 1               | 12-May-2019 17:33 |
| <i>Surr: Dibromofluoromethane</i>  | 97.8   |                      |         | 77-123       | %REC  | 1               | 12-May-2019 17:33 |
| <i>Surr: Toluene-d8</i>            | 102    |                      |         | 82-127       | %REC  | 1               | 12-May-2019 17:33 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**DATES REPORT**

| Sample ID       | Client Samp ID | Collection Date                        | TCLP Date | Prep Date | Analysis Date     | DF                         |
|-----------------|----------------|--|-----------|-----------|-------------------|----------------------------|
| <b>Batch ID</b> | R338280        | <b>Test Name :</b> VOLATILES - SW8260C |           |           |                   | <b>Matrix:</b> Water       |
| HS19050571-07   | Trip Blank     | 08 May 2019 00:00                      |           |           | 12 May 2019 17:33 | 1                          |
| <b>Batch ID</b> | R338280        | <b>Test Name :</b> VOLATILES - SW8260C |           |           |                   | <b>Matrix:</b> Groundwater |
| HS19050571-01   | MW-1R          | 08 May 2019 12:15                      |           |           | 12 May 2019 15:03 | 1                          |
| HS19050571-02   | MW-2           | 08 May 2019 11:45                      |           |           | 12 May 2019 17:57 | 1                          |
| HS19050571-03   | MW-3           | 08 May 2019 12:12                      |           |           | 12 May 2019 18:21 | 1                          |
| HS19050571-04   | MW-4           | 08 May 2019 11:05                      |           |           | 12 May 2019 18:45 | 1                          |
| HS19050571-05   | MW-5           | 08 May 2019 11:00                      |           |           | 12 May 2019 19:09 | 1                          |
| HS19050571-06   | DUP            | 08 May 2019 00:00                      |           |           | 12 May 2019 19:33 | 1                          |
| <b>Batch ID</b> | R338818        | <b>Test Name :</b> ANIONS BY E300.0    |           |           |                   | <b>Matrix:</b> Groundwater |
| HS19050571-01   | MW-1R          | 08 May 2019 12:15                      |           |           | 20 May 2019 20:21 | 500                        |
| HS19050571-02   | MW-2           | 08 May 2019 11:45                      |           |           | 20 May 2019 20:36 | 5                          |
| HS19050571-03   | MW-3           | 08 May 2019 12:12                      |           |           | 20 May 2019 20:51 | 5                          |
| HS19050571-04   | MW-4           | 08 May 2019 11:05                      |           |           | 20 May 2019 21:05 | 20                         |
| HS19050571-05   | MW-5           | 08 May 2019 11:00                      |           |           | 20 May 2019 21:20 | 5                          |
| HS19050571-06   | DUP            | 08 May 2019 00:00                      |           |           | 20 May 2019 21:35 | 20                         |

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**QC BATCH REPORT**

| Batch ID: R338280 ( 0 )     |                            | Instrument: VOA6 |           | Method: VOLATILES - SW8260C      |      |               |                               |
|-----------------------------|----------------------------|------------------|-----------|----------------------------------|------|---------------|-------------------------------|
| MLBK                        | Sample ID: VBLKW-190512    | Units: ug/L      |           | Analysis Date: 12-May-2019 14:39 |      |               |                               |
| Client ID:                  | Run ID: VOA6_338280        | SeqNo: 5071924   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Ethylbenzene                | U                          | 5.0              |           |                                  |      |               |                               |
| Toluene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Xylenes, Total              | U                          | 5.0              |           |                                  |      |               |                               |
| Surr: 1,2-Dichloroethane-d4 | 48.02                      | 0                | 50        | 0                                | 96.0 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 49.22                      | 0                | 50        | 0                                | 98.4 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 48.48                      | 0                | 50        | 0                                | 97.0 | 73 - 126      |                               |
| Surr: Toluene-d8            | 49.76                      | 0                | 50        | 0                                | 99.5 | 81 - 120      |                               |
| LCS                         | Sample ID: VLCSW-190512    | Units: ug/L      |           | Analysis Date: 12-May-2019 13:51 |      |               |                               |
| Client ID:                  | Run ID: VOA6_338280        | SeqNo: 5071923   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 17.76                      | 5.0              | 20        | 0                                | 88.8 | 74 - 120      |                               |
| Ethylbenzene                | 17.22                      | 5.0              | 20        | 0                                | 86.1 | 77 - 117      |                               |
| Toluene                     | 18.06                      | 5.0              | 20        | 0                                | 90.3 | 77 - 118      |                               |
| Xylenes, Total              | 52.74                      | 5.0              | 60        | 0                                | 87.9 | 75 - 122      |                               |
| Surr: 1,2-Dichloroethane-d4 | 48.89                      | 0                | 50        | 0                                | 97.8 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 49.57                      | 0                | 50        | 0                                | 99.1 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 48.89                      | 0                | 50        | 0                                | 97.8 | 73 - 126      |                               |
| Surr: Toluene-d8            | 51.61                      | 0                | 50        | 0                                | 103  | 81 - 120      |                               |
| MS                          | Sample ID: HS19050571-01MS | Units: ug/L      |           | Analysis Date: 12-May-2019 15:52 |      |               |                               |
| Client ID: MW-1R            | Run ID: VOA6_338280        | SeqNo: 5071927   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 21.7                       | 5.0              | 20        | 0                                | 108  | 70 - 127      |                               |
| Ethylbenzene                | 22.62                      | 5.0              | 20        | 0                                | 113  | 70 - 124      |                               |
| Toluene                     | 22.8                       | 5.0              | 20        | 0                                | 114  | 70 - 123      |                               |
| Xylenes, Total              | 68.87                      | 5.0              | 60        | 0                                | 115  | 70 - 130      |                               |
| Surr: 1,2-Dichloroethane-d4 | 49.23                      | 0                | 50        | 0                                | 98.5 | 70 - 126      |                               |
| Surr: 4-Bromofluorobenzene  | 49.32                      | 0                | 50        | 0                                | 98.6 | 82 - 124      |                               |
| Surr: Dibromofluoromethane  | 49.2                       | 0                | 50        | 0                                | 98.4 | 77 - 123      |                               |
| Surr: Toluene-d8            | 50.74                      | 0                | 50        | 0                                | 101  | 82 - 127      |                               |

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**QC BATCH REPORT**

| Batch ID: R338280 ( 0 )                            |            | Instrument: VOA6    |     | Method: VOLATILES - SW8260C |               |                                  |               |               |                     |
|--|------------|---------------------|-----|-----------------------------|---------------|----------------------------------|---------------|---------------|---------------------|
| MSD  | Sample ID: | HS19050571-01MSD    |     | Units: ug/L                 |               | Analysis Date: 12-May-2019 16:16 |               |               |                     |
| Client ID:   | MW-1R      | Run ID: VOA6_338280 |     | SeqNo: 5071928              |               | PrepDate:                        |               | DF: 1         |                     |
| Analyte  |            | Result              | PQL | SPK Val                     | SPK Ref Value | %REC                             | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene  |            | 19.95               | 5.0 | 20                          | 0             | 99.8                             | 70 - 127      | 21.7          | 8.39 20             |
| Ethylbenzene                                       |            | 21.38               | 5.0 | 20                          | 0             | 107                              | 70 - 124      | 22.62         | 5.63 20             |
| Toluene  |            | 21.47               | 5.0 | 20                          | 0             | 107                              | 70 - 123      | 22.8          | 6.01 20             |
| Xylenes, Total                                     |            | 65.11               | 5.0 | 60                          | 0             | 109                              | 70 - 130      | 68.87         | 5.61 20             |
| Surr: 1,2-Dichloroethane-d4                        |            | 50.56               | 0   | 50                          | 0             | 101                              | 70 - 126      | 49.23         | 2.66 20             |
| Surr: 4-Bromofluorobenzene                         |            | 50.63               | 0   | 50                          | 0             | 101                              | 82 - 124      | 49.32         | 2.62 20             |
| Surr: Dibromofluoromethane                         |            | 49.94               | 0   | 50                          | 0             | 99.9                             | 77 - 123      | 49.2          | 1.48 20             |
| Surr: Toluene-d8                                   |            | 50.87               | 0   | 50                          | 0             | 102                              | 82 - 127      | 50.74         | 0.251 20            |
| The following samples were analyzed in this batch: |            | HS19050571-01       |     | HS19050571-02               |               | HS19050571-03                    |               | HS19050571-04 |                     |
|  |            | HS19050571-05       |     | HS19050571-06               |               | HS19050571-07                    |               |               |                     |

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**QC BATCH REPORT**

| Batch ID: R338818 ( 0 ) |                             | Instrument: ICS2100    |         | Method: ANIONS BY E300.0 |           |                                  |               |          |                |
|-------------------------|-----------------------------|------------------------|---------|--------------------------|-----------|----------------------------------|---------------|----------|----------------|
| MBLK                    | Sample ID: WBLKW1-052019    |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 14:20 |               |          |                |
| Client ID:              |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082902           | PrepDate: |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                |                             | U                      | 0.500   |                          |           |                                  |               |          |                |
| LCS                     | Sample ID: WLCSW1-052019    |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 14:34 |               |          |                |
| Client ID:              |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082903           | PrepDate: |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 20.52                       | 0.500                  | 20      | 0                        | 103       | 90 - 110                         |               |          |                |
| LCSD                    | Sample ID: WLCSDW1-052019   |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 14:49 |               |          |                |
| Client ID:              |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082904           | PrepDate: |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.96                       | 0.500                  | 20      | 0                        | 99.8      | 90 - 110                         | 20.52         | 2.75     | 20             |
| MS                      | Sample ID: HS19050595-01MS  |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 23:02 |               |          |                |
| Client ID:              |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082921           | PrepDate: |                                  |               |          | DF: 500        |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 8946                        | 250                    | 5000    | 4375                     | 91.4      | 80 - 120                         |               |          |                |
| MS                      | Sample ID: HS19050571-06MS  |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 21:49 |               |          |                |
| Client ID: DUP          |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082916           | PrepDate: |                                  |               |          | DF: 20         |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 1170                        | 10.0                   | 200     | 1026                     | 72.0      | 80 - 120                         |               |          | SO             |
| MSD                     | Sample ID: HS19050595-01MSD |                        |         | Units: mg/L              |           | Analysis Date: 20-May-2019 23:17 |               |          |                |
| Client ID:              |                             | Run ID: ICS2100_338818 |         | SeqNo: 5082922           | PrepDate: |                                  |               |          | DF: 500        |
| Analyte                 | Result                      | PQL                    | SPK Val | SPK Ref Value            | %REC      | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 9258                        | 250                    | 5000    | 4375                     | 97.7      | 80 - 120                         | 8946          | 3.43     | 20             |

ALS Houston, US

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**QC BATCH REPORT**

| Batch ID: R338818 ( 0 )                            |                             | Instrument: ICS2100    |                                | Method: ANIONS BY E300.0       |               |                                  |               |          |            |
|--|-----------------------------|------------------------|--------------------------------|--------------------------------|---------------|----------------------------------|---------------|----------|------------|
| MSD  | Sample ID: HS19050571-06MSD |                        |                                | Units: mg/L                    |               | Analysis Date: 20-May-2019 22:04 |               |          |            |
| Client ID: DUP                                     |                             | Run ID: ICS2100_338818 |                                | SeqNo: 5082917                 | PrepDate:     |                                  |               | DF: 20   |            |
| Analyte  | Result                      | PQL                    | SPK Val                        | SPK Ref Value                  | %REC          | Control Limit                    | RPD Ref Value | RPD %RPD | Limit Qual |
| Chloride   | 1161                        | 10.0                   | 200                            | 1026                           | 67.6          | 80 - 120                         | 1170          | 0.753    | 20 SO      |
| The following samples were analyzed in this batch: |                             |                        | HS19050571-01<br>HS19050571-05 | HS19050571-02<br>HS19050571-06 | HS19050571-03 |                                  | HS19050571-04 |          |            |

**ALS Houston, US**

Date: 21-May-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19050571

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>  |
|------------------|---|
| *                | Value exceeds Regulatory Limit  |
| a                | Not accredited  |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit |
| E                | Value above quantitation range  |
| H                | Analyzed outside of Holding Time  |
| J                | Analyte detected below quantitation limit                                 |
| M                | Manually integrated, see raw data for justification                       |
| n                | Not offered for accreditation   |
| ND               | Not Detected at the Reporting Limit                                       |
| O                | Sample amount is > 4 times amount spiked                                  |
| P                | Dual Column results percent difference > 40%                              |
| R                | RPD above laboratory control limit  |
| S                | Spike Recovery outside laboratory control limits                          |
| U                | Analyzed but not detected above the MDL/SDL                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| DCS            | Detectability Check Study           |
| DUP            | Method Duplicate                    |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MQL            | Method Quantitation Limit           |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PDS            | Post Digestion Spike                |
| PQL            | Practical Quantitaion Limit         |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

| <b>Unit Reported</b> | <b>Description</b>   |
|----------------------|----------------------|
| mg/L                 | Milligrams per Liter |

**ALS Houston, US**

Date: 21-May-19

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

| Agency          | Number            | Expire Date |
|-----------------|-------------------|-------------|
| Illinois        | 004438            | 29-Jun-2019 |
| Louisiana       | 03087             | 30-Jun-2019 |
| Dept of Defense | ANAB L2231        | 20-Dec-2021 |
| Kansas          | E-10352 2018-2019 | 31-Jul-2019 |
| Oklahoma        | 2018-156          | 31-Aug-2019 |
| North Carolina  | 624-2019          | 31-Dec-2019 |
| Maryland        | 343, 2018-2019    | 30-Jun-2019 |
| Arkansas        | 19-028-0          | 27-Mar-2020 |
| Texas           | TX104704231-19-23 | 30-Apr-2020 |

ALS Houston, US

Date: 21-May-19

**Sample Receipt Checklist**

Client Name: Glen Springs/CRA Date/Time Received: 09-May-2019 09:00  
 Work Order: HS19050571 Received by: RPG

|                         |  |                     |              |                                      |                     |
|-------------------------|--|---------------------|--------------|--------------------------------------|---------------------|
| Checklist completed by: | <u>Nilesh D. Ranchod</u><br>eSignature | 10-May-2019<br>Date | Reviewed by: | <u>Dane J. Wacasey</u><br>eSignature | 16-May-2019<br>Date |
|-------------------------|--|---------------------|--------------|--------------------------------------|---------------------|

Matrices: Water Carrier name: FedEx Priority Overnight

|   |   |                             |   |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | COC IDs:199874                                  |
| Samplers name present on COC?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |

Temperature(s)/Thermometer(s): 1.5C UC/C | IR # 25  
 Cooler(s)/Kit(s): 25774

Date/Time sample(s) sent to storage: 05/09/2019 18:00

|  |   |                             |   |
|--|---|-----------------------------|---|
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted?                           | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |

pH adjusted by:

Login Notes:

Client Contacted: \_\_\_\_\_ Date Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments:

|  |
|--|
|  |
|--|

Corrective Action:

|  |
|--|
|  |
|--|



## Chain of Custody Form

Page \_\_\_\_ of \_\_\_\_

COC ID: 199874

HS19050571

Glenn Springs Holdings, Inc.  
55626DM GSHI PXP Elliot E.M. Federal TB

| Customer Information |                              | Project Information |                                 | ALS Project Manager: |                          |  |  |  |  |  |  |  |  |  |  |
|----------------------|------------------------------|---------------------|---------------------------------|----------------------|--------------------------|--|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV 749-4         | Project Name        | GSHI PXP Elliot E.M. Federal TB | A                    | 8260_W (BTEX)            |  |  |  |  |  |  |  |  |  |  |
| Work Order           |                              | Project Number      | 55626DM (ENV749A006)            | B                    | 300_W (Chloride)         |  |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc. | Bill To Company     | Glenn Springs Holdings, Inc.    | C                    | 8260_W (BTEX) Trip Blank |  |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mike Carmona                 | Invoice Attn        | Accounts Payable                | D                    |                          |  |  |  |  |  |  |  |  |  |  |
| Address              | PO Box 2148                  | Address             | PO Box 2148                     | E                    |                          |  |  |  |  |  |  |  |  |  |  |
| F                    |                              |                     |                                 |                      |                          |  |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Houston, TX 77252-2148       | City/State/Zip      | Houston TX 77252-2148           | G                    |                          |  |  |  |  |  |  |  |  |  |  |
| Phone                |                              | Phone               |                                 | H                    |                          |  |  |  |  |  |  |  |  |  |  |
| Fax                  |                              | Fax                 |                                 | I                    |                          |  |  |  |  |  |  |  |  |  |  |
| e-Mail Address       | Mike.Carmona@tetrach.com     | e-Mail Address      |                                 | J                    |                          |  |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date   | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|--------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-1R              | 5-8-19 | 1215 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 2   | MW-2               | 5-8-19 | 1145 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 3   | MW-3               | 5-8-19 | 1212 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 4   | MW-4               | 5-8-19 | 1105 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 5   | MW-5               | 5-8-19 | 1100 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 6   | DUP                | 5-8-19 | —    | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 7   | Trip Blank         | 5-8-19 | —    | Water    | 1,8   | 2         |   |   | X |   |   |   |   |   |   |   |      |
| 8   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |

|  |                          |  |                                 |  |                   |   |                |
|--|--------------------------|--|---------------------------------|--|-------------------|---|----------------|
| Sampler(s) Please Print & Sign<br><i>Preston Laikevint</i>   | Shipment Method<br>FedEx | Required Turnaround Time: (Check Box)<br><input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour | Other:                          | Results Due Date:                      |                   |   |                |
| Relinquished by:<br><i>Preston Laikevint</i>   | Date: 5-8-19             | Time: 430  | Received by:<br>RC 5/9/19 09:00 | Notes: [GSHI PXP Elliot EM Federal TB] |                   |   |                |
| Relinquished by:   | Date:                    | Time:  | Received by (Laboratory):       | Cooler ID: 51914                       | Cooler Temp: 41°C | QC Package: (Check One Box Below)                   |                |
| Logged by (Laboratory):  | Date:                    | Time:  | Checked by (Laboratory):        | 2577                                   | iSC               | <input checked="" type="checkbox"/> Level II Std QG | TRRP Checklist |
| Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035 |                          |  |                                 | 25774                                  |                   | <input type="checkbox"/> Level III Std QC/Raw Data  | TRRP Level IV  |
| Other:   |                          |  |                                 |  |                   |   | Other:         |

- Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

DRN 25 CFS Copyright 2011 by ALS Environmental.

|  |   |                |              |                              |
|--|---|----------------|--------------|------------------------------|
|  | ALS<br>10450 Stancliff Rd., Suite 210<br>Houston, Texas 77099<br>Tel. +1 281 530 5656<br>Fax. +1 281 530 5887 | 25774          | CUSTODY SEAL | Seal Broken By:<br><i>SM</i> |
| Date: 5-17-19 Time: 430<br>Name: Preston Poitras<br>Company: Tetra Tech          |   | Date: 05/09/19 |              |                              |

25774 MAY 09 2019

Must Deliver Next Business Day  
Time and Temperature Sensitive!



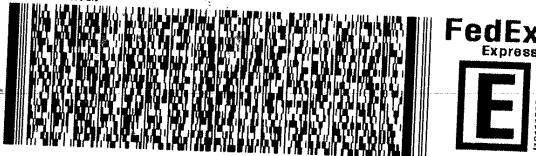
25774

ORIGIN ID:SGRA (432) 682-4559  
MIKE CARMONA  
GSHI - TETRA TECH  
901 WEST WALL ST, SUITE 100  
MIDLAND, TX 79701  
UNITED STATES US

SHIP DATE: 24APR19  
ACTWT: 1.00 LB MAN  
CRD: 300130/CAFE3211  
DIMS: 19x16x13 IN

To: CLIENT SERVICES  
ALS LABORATORY GROUP  
10450 STANCLIFF ROAD  
SUITE 210  
HOUSTON TX 77099

(281) 530-6666  
REF: 55626DM GSHI PXP ELLIOT E.M FEDRAL - DW  
RMA:

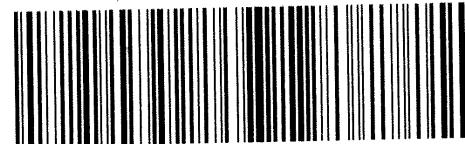


FedEx  
TRK# 4809 7833 1133  
0221

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

AB SGRA

77099  
TX-US IAH  
2020-03-20





10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

August 21, 2019

James Abston  
Glenn Springs Holdings, Inc.  
PO Box 2148  
Houston, TX 77252-2148

Work Order: **HS19080491**

Laboratory Results for: **55626DM GSHI PXP Elliot E.M. Federal TB**

Dear James,

ALS Environmental received 7 sample(s) on Aug 09, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Dane J. Wacasey".

Generated By: JUMOKE.LAWAL  
Dane J. Wacasey

ALS Houston, US

Date: 21-aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19080491

**SAMPLE SUMMARY**

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo          | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|----------------|-------------------|-------------------|--------------------------|
| HS19080491-01 | MW-1R            | Groundwater |                | 07-Aug-2019 12:45 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-02 | MW-2             | Groundwater |                | 07-Aug-2019 11:45 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-03 | MW-3             | Groundwater |                | 07-Aug-2019 12:30 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-04 | MW-4             | Groundwater |                | 07-Aug-2019 12:07 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-05 | MW-5             | Groundwater |                | 07-Aug-2019 12:10 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-06 | DUP              | Groundwater |                | 07-Aug-2019 00:00 | 09-Aug-2019 08:45 | <input type="checkbox"/> |
| HS19080491-07 | Trip Blank       | Water       | C&G-062119-319 | 07-Aug-2019 00:00 | 09-Aug-2019 08:45 | <input type="checkbox"/> |

ALS Houston, US

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19080491

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**CASE NARRATIVE**

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**GCMS Volatiles by Method SW8260**

**Batch ID: R344140**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

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**WetChemistry by Method E300**

**Batch ID: R344496**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: MW-1R Lab ID:HS19080491-01  
 Collection Date: 07-Aug-2019 12:45 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 07:36 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 07:36 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 07:36 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 07:36 |
| Surr: 1,2-Dichloroethane-d4 | 96.0   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 07:36 |
| Surr: 4-Bromofluorobenzene  | 94.3   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 07:36 |
| Surr: Dibromofluoromethane  | 99.0   |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 07:36 |
| Surr: Toluene-d8            | 100    |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 07:36 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 8,840  |                      | 100     | 250          | mg/L  | 500             | 16-Aug-2019 19:11 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: MW-2 Lab ID:HS19080491-02  
 Collection Date: 07-Aug-2019 11:45 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:00 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:00 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:00 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:00 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 95.0   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 08:00 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 96.6   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 08:00 |
| <i>Surr: Dibromofluoromethane</i>  | 98.6   |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 08:00 |
| <i>Surr: Toluene-d8</i>            | 99.5   |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 08:00 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 56.6   |                      | 2.00    | 5.00         | mg/L  | 10              | 16-Aug-2019 20:34 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: MW-3 Lab ID:HS19080491-03  
 Collection Date: 07-Aug-2019 12:30 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:24 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:24 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:24 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:24 |
| Surr: 1,2-Dichloroethane-d4 | 95.9   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 08:24 |
| Surr: 4-Bromofluorobenzene  | 97.6   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 08:24 |
| Surr: Dibromofluoromethane  | 101    |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 08:24 |
| Surr: Toluene-d8            | 100    |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 08:24 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 55.9   |                      | 2.00    | 5.00         | mg/L  | 10              | 16-Aug-2019 19:27 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: MW-4 Lab ID:HS19080491-04  
 Collection Date: 07-Aug-2019 12:07 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:49 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:49 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:49 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 08:49 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 93.7   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 08:49 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 95.0   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 08:49 |
| <i>Surr: Dibromofluoromethane</i>  | 97.8   |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 08:49 |
| <i>Surr: Toluene-d8</i>            | 100    |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 08:49 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 933    |                      | 10.0    | 25.0         | mg/L  | 50              | 16-Aug-2019 19:44 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: MW-5 Lab ID:HS19080491-05  
 Collection Date: 07-Aug-2019 12:10 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:13 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:13 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:13 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:13 |
| Surr: 1,2-Dichloroethane-d4 | 95.9   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 09:13 |
| Surr: 4-Bromofluorobenzene  | 94.7   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 09:13 |
| Surr: Dibromofluoromethane  | 98.0   |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 09:13 |
| Surr: Toluene-d8            | 99.2   |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 09:13 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 50.4   |                      | 2.00    | 5.00         | mg/L  | 10              | 16-Aug-2019 21:24 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc. **ANALYTICAL REPORT**  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB WorkOrder:HS19080491  
 Sample ID: DUP Lab ID:HS19080491-06  
 Collection Date: 07-Aug-2019 00:00 Matrix:Groundwater

| ANALYSES                    | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|-----------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>  |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                     | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:37 |
| Ethylbenzene                | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:37 |
| Toluene                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:37 |
| Xylenes, Total              | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 13-Aug-2019 09:37 |
| Surr: 1,2-Dichloroethane-d4 | 96.9   |                      |         | 70-126       | %REC  | 1               | 13-Aug-2019 09:37 |
| Surr: 4-Bromofluorobenzene  | 95.4   |                      |         | 82-124       | %REC  | 1               | 13-Aug-2019 09:37 |
| Surr: Dibromofluoromethane  | 101    |                      |         | 77-123       | %REC  | 1               | 13-Aug-2019 09:37 |
| Surr: Toluene-d8            | 99.0   |                      |         | 82-127       | %REC  | 1               | 13-Aug-2019 09:37 |
| <b>ANIONS BY E300.0</b>     |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                    | 931    |                      | 10.0    | 25.0         | mg/L  | 50              | 16-Aug-2019 21:40 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Aug-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: Trip Blank  
 Collection Date: 07-Aug-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19080491  
 Lab ID:HS19080491-07  
 Matrix:Water

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 13-Aug-2019 01:30 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Aug-2019 01:30 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Aug-2019 01:30 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 13-Aug-2019 01:30 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 94.6   |      |         | 70-126               | %REC  | 1               | 13-Aug-2019 01:30 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 95.7   |      |         | 82-124               | %REC  | 1               | 13-Aug-2019 01:30 |
| <i>Surr: Dibromofluoromethane</i>  | 98.2   |      |         | 77-123               | %REC  | 1               | 13-Aug-2019 01:30 |
| <i>Surr: Toluene-d8</i>            | 99.8   |      |         | 82-127               | %REC  | 1               | 13-Aug-2019 01:30 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                        | TCLP Date | Prep Date | Analysis Date     | DF  |
|--------------------------------|----------------|--|-----------|-----------|-------------------|-----|
| <b>Batch ID:</b> R344140 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |           |           |                   |     |
| HS19080491-07                  | Trip Blank     | 07 Aug 2019 00:00                      |           |           | 13 Aug 2019 01:30 | 1   |
| <b>Batch ID:</b> R344140 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |           |           |                   |     |
| HS19080491-01                  | MW-1R          | 07 Aug 2019 12:45                      |           |           | 13 Aug 2019 07:36 | 1   |
| HS19080491-02                  | MW-2           | 07 Aug 2019 11:45                      |           |           | 13 Aug 2019 08:00 | 1   |
| HS19080491-03                  | MW-3           | 07 Aug 2019 12:30                      |           |           | 13 Aug 2019 08:24 | 1   |
| HS19080491-04                  | MW-4           | 07 Aug 2019 12:07                      |           |           | 13 Aug 2019 08:49 | 1   |
| HS19080491-05                  | MW-5           | 07 Aug 2019 12:10                      |           |           | 13 Aug 2019 09:13 | 1   |
| HS19080491-06                  | DUP            | 07 Aug 2019 00:00                      |           |           | 13 Aug 2019 09:37 | 1   |
| <b>Batch ID:</b> R344496 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0    |           |           |                   |     |
| HS19080491-01                  | MW-1R          | 07 Aug 2019 12:45                      |           |           | 16 Aug 2019 19:11 | 500 |
| HS19080491-02                  | MW-2           | 07 Aug 2019 11:45                      |           |           | 16 Aug 2019 20:34 | 10  |
| HS19080491-03                  | MW-3           | 07 Aug 2019 12:30                      |           |           | 16 Aug 2019 19:27 | 10  |
| HS19080491-04                  | MW-4           | 07 Aug 2019 12:07                      |           |           | 16 Aug 2019 19:44 | 50  |
| HS19080491-05                  | MW-5           | 07 Aug 2019 12:10                      |           |           | 16 Aug 2019 21:24 | 10  |
| HS19080491-06                  | DUP            | 07 Aug 2019 00:00                      |           |           | 16 Aug 2019 21:40 | 50  |

ALS Houston, US

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**QC BATCH REPORT**

| Batch ID: R344140 (0)       |                            | Instrument: VOA9 |           | Method: VOLATILES - SW8260C      |      |               |                               |
|-----------------------------|----------------------------|------------------|-----------|----------------------------------|------|---------------|-------------------------------|
| MLBK                        | Sample ID: VBLKW-190812    | Units: ug/L      |           | Analysis Date: 13-Aug-2019 00:17 |      |               |                               |
| Client ID:                  | Run ID: VOA9_344140        | SeqNo: 5207053   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Ethylbenzene                | U                          | 5.0              |           |                                  |      |               |                               |
| Toluene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Xylenes, Total              | U                          | 5.0              |           |                                  |      |               |                               |
| Surr: 1,2-Dichloroethane-d4 | 46.83                      | 0                | 50        | 0                                | 93.7 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 47.94                      | 0                | 50        | 0                                | 95.9 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 49.71                      | 0                | 50        | 0                                | 99.4 | 73 - 126      |                               |
| Surr: Toluene-d8            | 49.92                      | 0                | 50        | 0                                | 99.8 | 81 - 120      |                               |
| LCS                         | Sample ID: VLCSW-190812    | Units: ug/L      |           | Analysis Date: 12-Aug-2019 23:29 |      |               |                               |
| Client ID:                  | Run ID: VOA9_344140        | SeqNo: 5207052   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 21.08                      | 5.0              | 20        | 0                                | 105  | 74 - 120      |                               |
| Ethylbenzene                | 21.27                      | 5.0              | 20        | 0                                | 106  | 77 - 117      |                               |
| Toluene                     | 20.62                      | 5.0              | 20        | 0                                | 103  | 77 - 118      |                               |
| Xylenes, Total              | 64.6                       | 5.0              | 60        | 0                                | 108  | 75 - 122      |                               |
| Surr: 1,2-Dichloroethane-d4 | 45.04                      | 0                | 50        | 0                                | 90.1 | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 50.43                      | 0                | 50        | 0                                | 101  | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 48.66                      | 0                | 50        | 0                                | 97.3 | 73 - 126      |                               |
| Surr: Toluene-d8            | 50.17                      | 0                | 50        | 0                                | 100  | 81 - 120      |                               |
| MS                          | Sample ID: HS19080475-01MS | Units: ug/L      |           | Analysis Date: 13-Aug-2019 03:08 |      |               |                               |
| Client ID:                  | Run ID: VOA9_344140        | SeqNo: 5207060   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 20.84                      | 5.0              | 20        | 0                                | 104  | 70 - 127      |                               |
| Ethylbenzene                | 21.35                      | 5.0              | 20        | 0                                | 107  | 70 - 124      |                               |
| Toluene                     | 20.51                      | 5.0              | 20        | 0                                | 103  | 70 - 123      |                               |
| Xylenes, Total              | 64.14                      | 5.0              | 60        | 0                                | 107  | 70 - 130      |                               |
| Surr: 1,2-Dichloroethane-d4 | 46.15                      | 0                | 50        | 0                                | 92.3 | 70 - 126      |                               |
| Surr: 4-Bromofluorobenzene  | 50.19                      | 0                | 50        | 0                                | 100  | 82 - 124      |                               |
| Surr: Dibromofluoromethane  | 49.22                      | 0                | 50        | 0                                | 98.4 | 77 - 123      |                               |
| Surr: Toluene-d8            | 50.51                      | 0                | 50        | 0                                | 101  | 82 - 127      |                               |

ALS Houston, US

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**QC BATCH REPORT**

| Batch ID: R344140 ( 0 )                            |            | Instrument: VOA9    |     | Method: VOLATILES - SW8260C |               |                                  |               |               |                     |
|--|------------|---------------------|-----|-----------------------------|---------------|----------------------------------|---------------|---------------|---------------------|
| MSD  | Sample ID: | HS19080475-01MSD    |     | Units: ug/L                 |               | Analysis Date: 13-Aug-2019 03:32 |               |               |                     |
| Client ID:   |            | Run ID: VOA9_344140 |     | SeqNo: 5207061              |               | PrepDate:                        |               | DF: 1         |                     |
| Analyte  |            | Result              | PQL | SPK Val                     | SPK Ref Value | %REC                             | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene  |            | 20.36               | 5.0 | 20                          | 0             | 102                              | 70 - 127      | 20.84         | 2.34 20             |
| Ethylbenzene                                       |            | 20.54               | 5.0 | 20                          | 0             | 103                              | 70 - 124      | 21.35         | 3.87 20             |
| Toluene  |            | 19.51               | 5.0 | 20                          | 0             | 97.6                             | 70 - 123      | 20.51         | 4.97 20             |
| Xylenes, Total                                     |            | 60.82               | 5.0 | 60                          | 0             | 101                              | 70 - 130      | 64.14         | 5.3 20              |
| <i>Surr: 1,2-Dichloroethane-d4</i>                 |            | 45.43               | 0   | 50                          | 0             | 90.9                             | 70 - 126      | 46.15         | 1.57 20             |
| <i>Surr: 4-Bromofluorobenzene</i>                  |            | 48.91               | 0   | 50                          | 0             | 97.8                             | 82 - 124      | 50.19         | 2.59 20             |
| <i>Surr: Dibromofluoromethane</i>                  |            | 49.43               | 0   | 50                          | 0             | 98.9                             | 77 - 123      | 49.22         | 0.424 20            |
| <i>Surr: Toluene-d8</i>                            |            | 49.86               | 0   | 50                          | 0             | 99.7                             | 82 - 127      | 50.51         | 1.29 20             |
| The following samples were analyzed in this batch: |            | HS19080491-01       |     | HS19080491-02               |               | HS19080491-03                    |               | HS19080491-04 |                     |
|  |            | HS19080491-05       |     | HS19080491-06               |               | HS19080491-07                    |               |               |                     |

ALS Houston, US

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**QC BATCH REPORT**

| Batch ID: R344496 ( 0 ) |                             | Instrument: ICS-Integron    |                | Method: ANIONS BY E300.0 |      |                                  |               |          |                |
|-------------------------|-----------------------------|-----------------------------|----------------|--------------------------|------|----------------------------------|---------------|----------|----------------|
| MLBK                    | Sample ID: WBLKW1-081619    |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 13:55 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214679 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | U                           | 0.500                       |                |                          |      |                                  |               |          |                |
| LCS                     | Sample ID: WLCSW1-081619    |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 14:12 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214680 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.99                       | 0.500                       | 20             | 0                        | 99.9 | 90 - 110                         |               |          |                |
| LCSD                    | Sample ID: WLCSDW1-081619   |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 14:28 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214681 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 20.09                       | 0.500                       | 20             | 0                        | 100  | 90 - 110                         | 19.99         | 0.509    | 20             |
| MS                      | Sample ID: HS19080815-02MS  |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 15:35 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214685 | PrepDate:                |      |                                  |               |          | DF: 50         |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 1190                        | 25.0                        | 250            | 929.8                    | 104  | 80 - 120                         |               |          |                |
| MS                      | Sample ID: HS19080491-02MS  |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 20:50 |               |          |                |
| Client ID: MW-2         |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214704 | PrepDate:                |      |                                  |               |          | DF: 10         |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 152.1                       | 5.00                        | 100            | 56.58                    | 95.5 | 80 - 120                         |               |          |                |
| MSD                     | Sample ID: HS19080815-02MSD |                             |                | Units: mg/L              |      | Analysis Date: 16-Aug-2019 15:51 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_344496 | SeqNo: 5214686 | PrepDate:                |      |                                  |               |          | DF: 50         |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 1189                        | 25.0                        | 250            | 929.8                    | 104  | 80 - 120                         | 1190          | 0.147    | 20             |

ALS Houston, US

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**QC BATCH REPORT**

|                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| Batch ID: R344496 ( 0 ) | Instrument: ICS-Integron | Method: ANIONS BY E300.0 |
|-------------------------|--------------------------|--------------------------|

| MSD        | Sample ID: | HS19080491-02MSD | Units:              | mg/L           | Analysis Date: 16-Aug-2019 21:07 |               |               |                     |
|------------|------------|------------------|---------------------|----------------|----------------------------------|---------------|---------------|---------------------|
| Client ID: | MW-2       | Run ID:          | ICS-Integron_344496 | SeqNo: 5214705 | PrepDate:                        | DF: 10        |               |                     |
| Analyte    | Result     | PQL              | SPK Val             | SPK Ref Value  | %REC                             | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |

|          |       |      |     |       |      |          |       |       |    |
|----------|-------|------|-----|-------|------|----------|-------|-------|----|
| Chloride | 152.6 | 5.00 | 100 | 56.58 | 96.0 | 80 - 120 | 152.1 | 0.309 | 20 |
|----------|-------|------|-----|-------|------|----------|-------|-------|----|

|  |               |               |               |               |
|--|---------------|---------------|---------------|---------------|
| The following samples were analyzed in this batch: | HS19080491-01 | HS19080491-02 | HS19080491-03 | HS19080491-04 |
|  | HS19080491-05 | HS19080491-06 |               |               |

**ALS Houston, US**

Date: 21-Aug-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19080491

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>  |
|------------------|---|
| *                | Value exceeds Regulatory Limit  |
| a                | Not accredited  |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit |
| E                | Value above quantitation range  |
| H                | Analyzed outside of Holding Time  |
| J                | Analyte detected below quantitation limit                                 |
| M                | Manually integrated, see raw data for justification                       |
| n                | Not offered for accreditation   |
| ND               | Not Detected at the Reporting Limit                                       |
| O                | Sample amount is > 4 times amount spiked                                  |
| P                | Dual Column results percent difference > 40%                              |
| R                | RPD above laboratory control limit  |
| S                | Spike Recovery outside laboratory control limits                          |
| U                | Analyzed but not detected above the MDL/SDL                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| DCS            | Detectability Check Study           |
| DUP            | Method Duplicate                    |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MQL            | Method Quantitation Limit           |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PDS            | Post Digestion Spike                |
| PQL            | Practical Quantitaion Limit         |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

| <b>Unit Reported</b> | <b>Description</b>   |
|----------------------|----------------------|
| mg/L                 | Milligrams per Liter |

**ALS Houston, US**

Date: 21-Aug-19

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

| <b>Agency</b>   | <b>Number</b>     | <b>Expire Date</b> |
|-----------------|-------------------|--------------------|
| Arkansas        | 19-028-0          | 27-Mar-2020        |
| California      | 2919, 2019-2020   | 30-Apr-2020        |
| Dept of Defense | ANAB L2231        | 20-Dec-2021        |
| Kansas          | E-10352 2019-2020 | 31-Jul-2020        |
| Kentucky        | 123043, 2019-2020 | 30-Apr-2020        |
| Louisiana       | 03087, 2019-2020  | 30-Jun-2020        |
| Maryland        | 343, 2019-2020    | 30-Jun-2020        |
| North Carolina  | 624-2019          | 31-Dec-2019        |
| Oklahoma        | 2018-156          | 31-Aug-2019        |
| Texas           | TX104704231-19-23 | 30-Apr-2020        |

ALS Houston, US

Date: 21-Aug-19

**Sample Receipt Checklist**

Client Name: Glen Springs/CRA Date/Time Received: 09-Aug-2019 08:45  
 Work Order: HS19080491 Received by: JRM

|                         |  |                    |              |                                      |                     |
|-------------------------|--|--------------------|--------------|--------------------------------------|---------------------|
| Checklist completed by: | <u>Nilesh D. Ranchod</u><br>eSignature | 9-Aug-2019<br>Date | Reviewed by: | <u>Dane J. Wacasey</u><br>eSignature | 21-Aug-2019<br>Date |
|-------------------------|--|--------------------|--------------|--------------------------------------|---------------------|

Matrices: Water Carrier name: FedEx Priority Overnight

|   |   |                             |   |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | COC IDs:205746                                  |
| Samplers name present on COC?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |

|                                      |                   |         |
|--------------------------------------|-------------------|---------|
| Temperature(s)/Thermometer(s):       | 2.1C UC/C         | IR # 25 |
| Cooler(s)/Kit(s):                    | 43876             |         |
| Date/Time sample(s) sent to storage: | 08/09/2019 5:15pm |         |

|  |   |                             |   |
|--|---|-----------------------------|---|
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?    | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/>                    |
| pH adjusted?                           | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH  
+1 513 733 5336Fort Collins, CO  
+1 970 490 1511Everett, WA  
+1 425 356 2600Holland, MI  
+1 616 399 6070

## Chain of Custody Form

Page 1 of 1

COC ID: 205746

HS19080491

Glenn Springs Holdings, Inc.  
55626DM GSHI PXP Elliot E.M. Federal TB

| Customer Information |                                | Project Information |                                 |   |                          |  |  |  |  |  |  |  |  |  |
|----------------------|--------------------------------|---------------------|---------------------------------|---|--------------------------|--|--|--|--|--|--|--|--|--|
| Purchase Order       | 4502201559 ENV 749-402-D02-1'0 | Project Name        | GSHI PXP Elliot E.M. Federal TB | A | 8260_W (BTEX)            |  |  |  |  |  |  |  |  |  |
| Work Order           |                                | Project Number      | 55626DM (ENV749A006)            | B | 300_W (Chloride)         |  |  |  |  |  |  |  |  |  |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.    | C | 8260_W (BTEX) Trip Blank |  |  |  |  |  |  |  |  |  |
| Send Report To       | Mike Carmona                   | Invoice Attn        | Accounts Payable                | D |                          |  |  |  |  |  |  |  |  |  |
| Address              | PO Box 2148                    | Address             | PO Box 2148                     | E |                          |  |  |  |  |  |  |  |  |  |
|                      |                                |                     |                                 | F |                          |  |  |  |  |  |  |  |  |  |
| City/State/Zip       | Houston, TX 77252-2148         | City/State/Zip      | Houston TX 77252-2148           | G |                          |  |  |  |  |  |  |  |  |  |
| Phone                |                                | Phone               |                                 | H |                          |  |  |  |  |  |  |  |  |  |
| Fax                  |                                | Fax                 |                                 | I |                          |  |  |  |  |  |  |  |  |  |
| e-Mail Address       | Mike.Carmona@refratech.com     | e-Mail Address      |                                 | J |                          |  |  |  |  |  |  |  |  |  |

| No. | Sample Description | Date   | Time | Matrix   | Pres. | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |
|-----|--------------------|--------|------|----------|-------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| 1   | MW-1R              | 8-7-19 | 1245 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 2   | MW-2               | 8-7-19 | 1145 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 3   | MW-3               | 8-7-19 | 1230 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 4   | MW-4               | 8-7-19 | 1207 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 5   | MW-5               | 8-7-19 | 1210 | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 6   | DUP                | 8-7-19 | —    | Groundwa | 1,8   | 4         | X | X |   |   |   |   |   |   |   |   |      |
| 7   | Trip Blank         |        |      | Water    | 1,8   | 2         |   |   | X |   |   |   |   |   |   |   |      |
| 8   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 9   |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |
| 10  |                    |        |      |          |       |           |   |   |   |   |   |   |   |   |   |   |      |

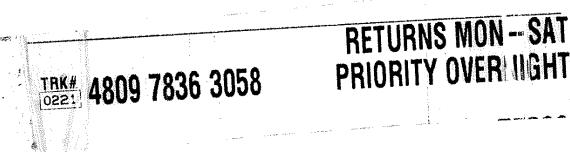
|  |                          |  |   |
|--|--------------------------|--|---|
| Sampler(s) Please Print & Sign<br><i>Preston Potent</i>  | Shipment Method<br>FedEx | Required Turnaround Time: (Check Box)<br><input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour | Results Due Date:   |
| Relinquished by:<br><i>Preston Potent</i>  | Date: 8-8-19 Time: 1600  | Received by: _____   | Notes: [GSHI PXP Elliot EM Federal TB]  |
| Relinquished by:   | Date: 8/9/19 Time: 08:45 | Received by (Laboratory):<br><i>S. umann</i>   | Cooler ID: <i>43876</i> Cooler Temp: <i>uc</i> QC Package: (Check One Box Below)  |
| Logged by (Laboratory):  | Date: Time:              | Checked by (Laboratory):<br><i>S. umann</i>  | <input checked="" type="checkbox"/> Level II Std QC <input type="checkbox"/> TRP Checklist<br><input type="checkbox"/> Level III Std QC/Raw Data <input type="checkbox"/> TRP Level IV<br><input type="checkbox"/> Level IV SW646/CLP<br><input type="checkbox"/> Other |
| Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C 9-5035 |                          |  |   |

- Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.



|   |  |
|---|--|
| JSTODY SEAL                                       |  |
| Time:<br>8-8-1600<br>Foster Petruzz<br>Inter-Tech | Seal Broken By:<br>K<br>Date:<br>8/19/04 |





10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

November 26, 2019

Mike Carmona  
Glenn Springs Holdings, Inc.  
PO Box 2148  
Houston, TX 77252-2148

Work Order: **HS19111015**

Laboratory Results for: **55626DM GSHI PXP Elliot E.M. Federal TB**

Dear Mike,

ALS Environmental received 7 sample(s) on Nov 20, 2019 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Dane J. Wacasey".

Generated By: JUMOKE.LAWAL

Dane J. Wacasey

**ALS Houston, US**

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19111015

**SAMPLE SUMMARY**

| Lab Samp ID   | Client Sample ID | Matrix      | TagNo | Collection Date   | Date Received     | Hold                     |
|---------------|------------------|-------------|-------|-------------------|-------------------|--------------------------|
| HS19111015-01 | MW-1R            | Groundwater |       | 15-Nov-2019 14:10 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-02 | MW-2             | Groundwater |       | 15-Nov-2019 13:45 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-03 | MW-3             | Groundwater |       | 15-Nov-2019 14:10 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-04 | MW-4             | Groundwater |       | 15-Nov-2019 13:20 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-05 | MW-5             | Groundwater |       | 15-Nov-2019 13:05 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-06 | DUP              | Groundwater |       | 15-Nov-2019 00:00 | 20-Nov-2019 08:53 | <input type="checkbox"/> |
| HS19111015-07 | Trip Blank       | Water       |       | 15-Nov-2019 00:00 | 20-Nov-2019 08:53 | <input type="checkbox"/> |

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**Work Order:** HS19111015

---

**CASE NARRATIVE**

---

**GCMS Volatiles by Method SW8260**

**Batch ID:** R351083

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

---

**WetChemistry by Method E300**

**Batch ID:** R351223

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-1R  
 Collection Date: 15-Nov-2019 14:10

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-01  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:34 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:34 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:34 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:34 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 100    |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 18:34 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 94.3   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 18:34 |
| <i>Surr: Dibromofluoromethane</i>  | 89.9   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 18:34 |
| <i>Surr: Toluene-d8</i>            | 105    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 18:34 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 7,870  |                      | 100     | 250          | mg/L  | 500             | 25-Nov-2019 02:26 |

---

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-2  
 Collection Date: 15-Nov-2019 13:45

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-02  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL | MDL     | REPORT LIMIT         | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|------|---------|----------------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:SW8260</b> |       |                 | Analyst: PC       |
| Benzene                            | U      |      | 0.00060 | 0.0050               | mg/L  | 1               | 21-Nov-2019 18:58 |
| Ethylbenzene                       | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 21-Nov-2019 18:58 |
| Toluene                            | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 21-Nov-2019 18:58 |
| Xylenes, Total                     | U      |      | 0.00050 | 0.0050               | mg/L  | 1               | 21-Nov-2019 18:58 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 100    |      |         | 70-126               | %REC  | 1               | 21-Nov-2019 18:58 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 87.7   |      |         | 82-124               | %REC  | 1               | 21-Nov-2019 18:58 |
| <i>Surr: Dibromofluoromethane</i>  | 89.7   |      |         | 77-123               | %REC  | 1               | 21-Nov-2019 18:58 |
| <i>Surr: Toluene-d8</i>            | 108    |      |         | 82-127               | %REC  | 1               | 21-Nov-2019 18:58 |
| <b>ANIONS BY E300.0</b>            |        |      |         |                      |       |                 |                   |
|                                    |        |      |         | <b>Method:E300</b>   |       |                 | Analyst: KMU      |
| Chloride                           | 55.2   |      | 0.200   | 0.500                | mg/L  | 1               | 25-Nov-2019 02:42 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-3  
 Collection Date: 15-Nov-2019 14:10

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-03  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:22 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:22 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:22 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:22 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 98.3   |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 19:22 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 97.6   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 19:22 |
| <i>Surr: Dibromofluoromethane</i>  | 86.9   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 19:22 |
| <i>Surr: Toluene-d8</i>            | 108    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 19:22 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 55.4   |                      | 0.200   | 0.500        | mg/L  | 1               | 25-Nov-2019 02:59 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-4  
 Collection Date: 15-Nov-2019 13:20

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-04  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:47 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:47 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:47 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 19:47 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 99.5   |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 19:47 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 92.7   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 19:47 |
| <i>Surr: Dibromofluoromethane</i>  | 87.4   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 19:47 |
| <i>Surr: Toluene-d8</i>            | 106    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 19:47 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 1,000  |                      | 4.00    | 10.0         | mg/L  | 20              | 25-Nov-2019 03:15 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: MW-5  
 Collection Date: 15-Nov-2019 13:05

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-05  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:11 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:11 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:11 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:11 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 103    |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 20:11 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 92.7   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 20:11 |
| <i>Surr: Dibromofluoromethane</i>  | 87.7   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 20:11 |
| <i>Surr: Toluene-d8</i>            | 105    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 20:11 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 49.6   |                      | 0.200   | 0.500        | mg/L  | 1               | 25-Nov-2019 03:32 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: DUP  
 Collection Date: 15-Nov-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-06  
 Matrix:Groundwater

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:35 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:35 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:35 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 20:35 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 94.8   |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 20:35 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 96.4   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 20:35 |
| <i>Surr: Dibromofluoromethane</i>  | 79.5   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 20:35 |
| <i>Surr: Toluene-d8</i>            | 110    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 20:35 |
| <b>ANIONS BY E300.0</b>            |        | <b>Method:E300</b>   |         |              |       |                 |                   |
| Chloride                           | 1,010  |                      | 4.00    | 10.0         | mg/L  | 20              | 25-Nov-2019 03:48 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

Client: Glenn Springs Holdings, Inc.  
 Project: 55626DM GSHI PXP Elliot E.M. Federal TB  
 Sample ID: Trip Blank  
 Collection Date: 15-Nov-2019 00:00

**ANALYTICAL REPORT**  
 WorkOrder:HS19111015  
 Lab ID:HS19111015-07  
 Matrix:Water

| ANALYSES                           | RESULT | QUAL                 | MDL     | REPORT LIMIT | UNITS | DILUTION FACTOR | DATE ANALYZED     |
|------------------------------------|--------|----------------------|---------|--------------|-------|-----------------|-------------------|
| <b>VOLATILES - SW8260C</b>         |        | <b>Method:SW8260</b> |         |              |       |                 |                   |
| Benzene                            | U      |                      | 0.00060 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:09 |
| Ethylbenzene                       | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:09 |
| Toluene                            | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:09 |
| Xylenes, Total                     | U      |                      | 0.00050 | 0.0050       | mg/L  | 1               | 21-Nov-2019 18:09 |
| <i>Surr: 1,2-Dichloroethane-d4</i> | 98.5   |                      |         | 70-126       | %REC  | 1               | 21-Nov-2019 18:09 |
| <i>Surr: 4-Bromofluorobenzene</i>  | 98.3   |                      |         | 82-124       | %REC  | 1               | 21-Nov-2019 18:09 |
| <i>Surr: Dibromofluoromethane</i>  | 88.7   |                      |         | 77-123       | %REC  | 1               | 21-Nov-2019 18:09 |
| <i>Surr: Toluene-d8</i>            | 106    |                      |         | 82-127       | %REC  | 1               | 21-Nov-2019 18:09 |

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Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**DATES REPORT**

| Sample ID                      | Client Samp ID | Collection Date                        | Leachate Date | Prep Date | Analysis Date     | DF  |
|--------------------------------|----------------|--|---------------|-----------|-------------------|-----|
| <b>Batch ID:</b> R351083 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           |                   |     |
| HS19111015-07                  | Trip Blank     | 15 Nov 2019 00:00                      |               |           | 21 Nov 2019 18:09 | 1   |
| <b>Batch ID:</b> R351083 ( 0 ) |                | <b>Test Name :</b> VOLATILES - SW8260C |               |           |                   |     |
| HS19111015-01                  | MW-1R          | 15 Nov 2019 14:10                      |               |           | 21 Nov 2019 18:34 | 1   |
| HS19111015-02                  | MW-2           | 15 Nov 2019 13:45                      |               |           | 21 Nov 2019 18:58 | 1   |
| HS19111015-03                  | MW-3           | 15 Nov 2019 14:10                      |               |           | 21 Nov 2019 19:22 | 1   |
| HS19111015-04                  | MW-4           | 15 Nov 2019 13:20                      |               |           | 21 Nov 2019 19:47 | 1   |
| HS19111015-05                  | MW-5           | 15 Nov 2019 13:05                      |               |           | 21 Nov 2019 20:11 | 1   |
| HS19111015-06                  | DUP            | 15 Nov 2019 00:00                      |               |           | 21 Nov 2019 20:35 | 1   |
| <b>Batch ID:</b> R351223 ( 0 ) |                | <b>Test Name :</b> ANIONS BY E300.0    |               |           |                   |     |
| HS19111015-01                  | MW-1R          | 15 Nov 2019 14:10                      |               |           | 25 Nov 2019 02:26 | 500 |
| HS19111015-02                  | MW-2           | 15 Nov 2019 13:45                      |               |           | 25 Nov 2019 02:42 | 1   |
| HS19111015-03                  | MW-3           | 15 Nov 2019 14:10                      |               |           | 25 Nov 2019 02:59 | 1   |
| HS19111015-04                  | MW-4           | 15 Nov 2019 13:20                      |               |           | 25 Nov 2019 03:15 | 20  |
| HS19111015-05                  | MW-5           | 15 Nov 2019 13:05                      |               |           | 25 Nov 2019 03:32 | 1   |
| HS19111015-06                  | DUP            | 15 Nov 2019 00:00                      |               |           | 25 Nov 2019 03:48 | 20  |

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**QC BATCH REPORT**

| Batch ID: R351083 (0)       |                            | Instrument: VOA9 |           | Method: VOLATILES - SW8260C      |      |               |                               |
|-----------------------------|----------------------------|------------------|-----------|----------------------------------|------|---------------|-------------------------------|
| MLBK                        | Sample ID: VBLKW-191121    | Units: ug/L      |           | Analysis Date: 21-Nov-2019 14:54 |      |               |                               |
| Client ID:                  | Run ID: VOA9_351083        | SeqNo: 5356339   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Ethylbenzene                | U                          | 5.0              |           |                                  |      |               |                               |
| Toluene                     | U                          | 5.0              |           |                                  |      |               |                               |
| Xylenes, Total              | U                          | 5.0              |           |                                  |      |               |                               |
| Surr: 1,2-Dichloroethane-d4 | 51.34                      | 0                | 50        | 0                                | 103  | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 45.42                      | 0                | 50        | 0                                | 90.8 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 45.26                      | 0                | 50        | 0                                | 90.5 | 73 - 126      |                               |
| Surr: Toluene-d8            | 53.78                      | 0                | 50        | 0                                | 108  | 81 - 120      |                               |
| LCS                         | Sample ID: VLCSW-191121    | Units: ug/L      |           | Analysis Date: 21-Nov-2019 14:05 |      |               |                               |
| Client ID:                  | Run ID: VOA9_351083        | SeqNo: 5356338   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 21.65                      | 5.0              | 20        | 0                                | 108  | 74 - 120      |                               |
| Ethylbenzene                | 19.33                      | 5.0              | 20        | 0                                | 96.6 | 77 - 117      |                               |
| Toluene                     | 19.14                      | 5.0              | 20        | 0                                | 95.7 | 77 - 118      |                               |
| Xylenes, Total              | 55.24                      | 5.0              | 60        | 0                                | 92.1 | 75 - 122      |                               |
| Surr: 1,2-Dichloroethane-d4 | 56.37                      | 0                | 50        | 0                                | 113  | 70 - 130      |                               |
| Surr: 4-Bromofluorobenzene  | 46.91                      | 0                | 50        | 0                                | 93.8 | 82 - 115      |                               |
| Surr: Dibromofluoromethane  | 50.69                      | 0                | 50        | 0                                | 101  | 73 - 126      |                               |
| Surr: Toluene-d8            | 49.39                      | 0                | 50        | 0                                | 98.8 | 81 - 120      |                               |
| MS                          | Sample ID: HS19110944-22MS | Units: ug/L      |           | Analysis Date: 21-Nov-2019 16:07 |      |               |                               |
| Client ID:                  | Run ID: VOA9_351083        | SeqNo: 5356342   | PrepDate: | DF: 1                            |      |               |                               |
| Analyte                     | Result                     | PQL              | SPK Val   | SPK Ref Value                    | %REC | Control Limit | RPD Ref Value %RPD Limit Qual |
| Benzene                     | 32.58                      | 5.0              | 20        | 12.57                            | 100  | 70 - 127      |                               |
| Ethylbenzene                | 23.49                      | 5.0              | 20        | 0                                | 117  | 70 - 124      |                               |
| Toluene                     | 23.98                      | 5.0              | 20        | 0                                | 120  | 70 - 123      |                               |
| Xylenes, Total              | 68.42                      | 5.0              | 60        | 0                                | 114  | 70 - 130      |                               |
| Surr: 1,2-Dichloroethane-d4 | 49.24                      | 0                | 50        | 0                                | 98.5 | 70 - 126      |                               |
| Surr: 4-Bromofluorobenzene  | 51.71                      | 0                | 50        | 0                                | 103  | 82 - 124      |                               |
| Surr: Dibromofluoromethane  | 47.26                      | 0                | 50        | 0                                | 94.5 | 77 - 123      |                               |
| Surr: Toluene-d8            | 51.08                      | 0                | 50        | 0                                | 102  | 82 - 127      |                               |

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**QC BATCH REPORT**

| Batch ID: R351083 ( 0 )                            |            | Instrument: VOA9    |     | Method: VOLATILES - SW8260C |               |                                  |               |               |                     |
|--|------------|---------------------|-----|-----------------------------|---------------|----------------------------------|---------------|---------------|---------------------|
| MSD  | Sample ID: | HS19110944-22MSD    |     | Units: ug/L                 |               | Analysis Date: 21-Nov-2019 16:32 |               |               |                     |
| Client ID:   |            | Run ID: VOA9_351083 |     | SeqNo: 5356343              |               | PrepDate:                        |               | DF: 1         |                     |
| Analyte  |            | Result              | PQL | SPK Val                     | SPK Ref Value | %REC                             | Control Limit | RPD Ref Value | RPD %RPD Limit Qual |
| Benzene  |            | 31.45               | 5.0 | 20                          | 12.57         | 94.4                             | 70 - 127      | 32.58         | 3.52 20             |
| Ethylbenzene                                       |            | 23.4                | 5.0 | 20                          | 0             | 117                              | 70 - 124      | 23.49         | 0.389 20            |
| Toluene  |            | 22.67               | 5.0 | 20                          | 0             | 113                              | 70 - 123      | 23.98         | 5.62 20             |
| Xylenes, Total                                     |            | 66.33               | 5.0 | 60                          | 0             | 111                              | 70 - 130      | 68.42         | 3.1 20              |
| Surr: 1,2-Dichloroethane-d4                        |            | 49.36               | 0   | 50                          | 0             | 98.7                             | 70 - 126      | 49.24         | 0.247 20            |
| Surr: 4-Bromofluorobenzene                         |            | 50.28               | 0   | 50                          | 0             | 101                              | 82 - 124      | 51.71         | 2.79 20             |
| Surr: Dibromofluoromethane                         |            | 47.54               | 0   | 50                          | 0             | 95.1                             | 77 - 123      | 47.26         | 0.593 20            |
| Surr: Toluene-d8                                   |            | 51.61               | 0   | 50                          | 0             | 103                              | 82 - 127      | 51.08         | 1.04 20             |
| The following samples were analyzed in this batch: |            | HS19111015-01       |     | HS19111015-02               |               | HS19111015-03                    |               | HS19111015-04 |                     |
|  |            | HS19111015-05       |     | HS19111015-06               |               | HS19111015-07                    |               |               |                     |

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**QC BATCH REPORT**

| Batch ID: R351223 ( 0 ) |                             | Instrument: ICS-Integron    |                | Method: ANIONS BY E300.0 |      |                                  |               |          |                |
|-------------------------|-----------------------------|-----------------------------|----------------|--------------------------|------|----------------------------------|---------------|----------|----------------|
| MBLK                    | Sample ID: WBLKW1-112419    |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 18:41 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359521 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | U                           | 0.500                       |                |                          |      |                                  |               |          |                |
| LCS                     | Sample ID: WLCSW1-112419    |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 18:57 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359522 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.92                       | 0.500                       | 20             | 0                        | 99.6 | 90 - 110                         |               |          |                |
| LCSD                    | Sample ID: WLCSDW1-112419   |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 19:14 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359523 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 19.9                        | 0.500                       | 20             | 0                        | 99.5 | 90 - 110                         | 19.92         | 0.126    | 20             |
| MS                      | Sample ID: HS19111070-01MS  |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 19:47 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359525 | PrepDate:                |      |                                  |               |          | DF: 10         |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 217.8                       | 5.00                        | 100            | 120.6                    | 97.2 | 80 - 120                         |               |          |                |
| MS                      | Sample ID: HS19111008-01MS  |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 23:06 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359537 | PrepDate:                |      |                                  |               |          | DF: 1          |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 47.34                       | 0.500                       | 10             | 38.37                    | 89.7 | 80 - 120                         |               |          |                |
| MSD                     | Sample ID: HS19111070-01MSD |                             |                | Units: mg/L              |      | Analysis Date: 24-Nov-2019 20:04 |               |          |                |
| Client ID:              |                             | Run ID: ICS-Integron_351223 | SeqNo: 5359526 | PrepDate:                |      |                                  |               |          | DF: 10         |
| Analyte                 | Result                      | PQL                         | SPK Val        | SPK Ref Value            | %REC | Control Limit                    | RPD Ref Value | RPD %RPD | RPD Limit Qual |
| Chloride                | 217.7                       | 5.00                        | 100            | 120.6                    | 97.1 | 80 - 120                         | 217.8         | 0.0459   | 20             |

ALS Houston, US

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**QC BATCH REPORT**

| Batch ID: R351223 ( 0 )                            |                             | Instrument: ICS-Integrion                   |               | Method: ANIONS BY E300.0 |                                  |               |               |          |            |
|--|-----------------------------|---|---------------|--------------------------|----------------------------------|---------------|---------------|----------|------------|
| MSD  | Sample ID: HS19111008-01MSD | Units: mg/L                                 |               |                          | Analysis Date: 24-Nov-2019 23:23 |               |               |          |            |
| Client ID:   |                             | Run ID: ICS-Integrion_351223 SeqNo: 5359538 |               |                          | PrepDate:                        |               | DF: 1         |          |            |
| Analyte  | Result                      | PQL   | SPK Val       | SPK Ref Value            | %REC                             | Control Limit | RPD Ref Value | RPD %RPD | Limit Qual |
| Chloride   | 47.41                       | 0.500                                       | 10            | 38.37                    | 90.4                             | 80 - 120      | 47.34         | 0.156    | 20         |
| The following samples were analyzed in this batch: |                             | HS19111015-01                               | HS19111015-02 | HS19111015-03            | HS19111015-04                    |               |               |          |            |
|  |                             | HS19111015-05                               | HS19111015-06 |                          |                                  |               |               |          |            |

**ALS Houston, US**

Date: 26-Nov-19

**Client:** Glenn Springs Holdings, Inc.  
**Project:** 55626DM GSHI PXP Elliot E.M. Federal TB  
**WorkOrder:** HS19111015

**QUALIFIERS,  
ACRONYMS, UNITS**

| <b>Qualifier</b> | <b>Description</b>  |
|------------------|---|
| *                | Value exceeds Regulatory Limit  |
| a                | Not accredited  |
| B                | Analyte detected in the associated Method Blank above the Reporting Limit |
| E                | Value above quantitation range  |
| H                | Analyzed outside of Holding Time  |
| J                | Analyte detected below quantitation limit                                 |
| M                | Manually integrated, see raw data for justification                       |
| n                | Not offered for accreditation   |
| ND               | Not Detected at the Reporting Limit                                       |
| O                | Sample amount is > 4 times amount spiked                                  |
| P                | Dual Column results percent difference > 40%                              |
| R                | RPD above laboratory control limit  |
| S                | Spike Recovery outside laboratory control limits                          |
| U                | Analyzed but not detected above the MDL/SDL                               |

| <b>Acronym</b> | <b>Description</b>                  |
|----------------|-------------------------------------|
| DCS            | Detectability Check Study           |
| DUP            | Method Duplicate                    |
| LCS            | Laboratory Control Sample           |
| LCSD           | Laboratory Control Sample Duplicate |
| MBLK           | Method Blank                        |
| MDL            | Method Detection Limit              |
| MQL            | Method Quantitation Limit           |
| MS             | Matrix Spike                        |
| MSD            | Matrix Spike Duplicate              |
| PDS            | Post Digestion Spike                |
| PQL            | Practical Quantitaion Limit         |
| SD             | Serial Dilution                     |
| SDL            | Sample Detection Limit              |
| TRRP           | Texas Risk Reduction Program        |

| <b>Unit Reported</b> | <b>Description</b>   |
|----------------------|----------------------|
| mg/L                 | Milligrams per Liter |

**ALS Houston, US**

Date: 26-Nov-19

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

| <b>Agency</b>   | <b>Number</b>     | <b>Expire Date</b> |
|-----------------|-------------------|--------------------|
| Arkansas        | 19-028-0          | 27-Mar-2020        |
| California      | 2919, 2019-2020   | 30-Apr-2020        |
| Dept of Defense | ANAB L2231        | 20-Dec-2021        |
| Florida         | E87611-28         | 30-Jun-2020        |
| Illinois        | 2000322019-2      | 09-May-2020        |
| Kansas          | E-10352 2019-2020 | 31-Jul-2020        |
| Kentucky        | 123043, 2019-2020 | 30-Apr-2020        |
| Louisiana       | 03087, 2019-2020  | 30-Jun-2020        |
| Maryland        | 343, 2019-2020    | 30-Jun-2020        |
| North Carolina  | 624-2019          | 31-Dec-2019        |
| North Dakota    | R-193 2019-2020   | 30-Apr-2020        |
| Oklahoma        | 2019-067          | 31-Aug-2020        |
| Texas           | TX104704231-19-23 | 30-Apr-2020        |

ALS Houston, US

Date: 26-Nov-19

**Sample Receipt Checklist**

Client Name: Glen Springs/CRA Date/Time Received: 20-Nov-2019 08:53  
 Work Order: HS19111015 Received by: PMG

|                         |  |                     |              |                                      |                     |
|-------------------------|--|---------------------|--------------|--------------------------------------|---------------------|
| Checklist completed by: | <u>Nilesh D. Ranchod</u><br>eSignature | 20-Nov-2019<br>Date | Reviewed by: | <u>Dane J. Wacasey</u><br>eSignature | 25-Nov-2019<br>Date |
|-------------------------|--|---------------------|--------------|--------------------------------------|---------------------|

Matrices: Water Carrier name: FedEx Priority Overnight

|   |   |                             |   |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on shipping container/cooler?      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/>            |
| Custody seals intact on sample bottles?                 | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| VOA/TX1005/TX1006 Solids in hermetically sealed vials?  | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | 1 Page(s)                                       |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | COC IDs:207287                                  |
| Samplers name present on COC?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Samples in proper container/bottle?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sample containers intact?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Sufficient sample volume for indicated test?            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| All samples received within holding time?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |
| Container/Temp Blank temperature in compliance?         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |   |

Temperature(s)/Thermometer(s): 1.2C UC/C | IR # 11  
 Cooler(s)/Kit(s): 43688

Date/Time sample(s) sent to storage: 11/20/2019 20:00

|  |   |                             |   |
|--|---|-----------------------------|---|
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt?    | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |
| pH adjusted?                           | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/>         |

pH adjusted by:

Login Notes:

Client Contacted: \_\_\_\_\_ Date Contacted: \_\_\_\_\_ Person Contacted: \_\_\_\_\_

Contacted By: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments:

|           |
|-----------|
| Comments: |
|-----------|

Corrective Action:

|                    |
|--------------------|
| Corrective Action: |
|--------------------|

Everett, WA  
+1 425 356 2600Fort Collins, CO  
+1 970 490 1511Holland, MI  
+1 616 399 6070

## Chain of Custody Form

Page 1 of 1

COC ID: 207287

HS19111015

Glenn Springs Holdings, Inc.  
55626DM GSHI PXP Elliot E.M. Federal TB

| Customer Information |                                | Project Information |                                 | ALS Project Manager: |                         |           |   |   |   |   |   |   |   |   |   |   |      |
|----------------------|--------------------------------|---------------------|---------------------------------|----------------------|-------------------------|-----------|---|---|---|---|---|---|---|---|---|---|------|
| Purchase Order       | 4502201559 ENV 749-402-D02-110 | Project Name        | GSHI PXP Elliot E.M. Federal TB | A                    | 8260_W(BTEX)            |           |   |   |   |   |   |   |   |   |   |   |      |
| Work Order           |                                | Project Number      | 55626DM (ENV749A006)            | B                    | 300_W (Chloride)        |           |   |   |   |   |   |   |   |   |   |   |      |
| Company Name         | Glenn Springs Holdings, Inc.   | Bill To Company     | Glenn Springs Holdings, Inc.    | C                    | 8260_W(BTEX) Trip Blank |           |   |   |   |   |   |   |   |   |   |   |      |
| Send Report To       | Mike Carmona                   | Invoice Attn        | Accounts Payable                | D                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| Address              | PO Box 2148                    | Address             | PO Box 2148                     | E                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| City/State/Zip       | Houston, TX 77252-2148         | City/State/Zip      | Houston TX 77252-2148           | F                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| Phone                |                                | Phone               |                                 | G                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| Fax                  |                                | Fax                 |                                 | H                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| e-Mail Address       | Mike.Carmona@fetratech.com     | e-Mail Address      |                                 | I                    |                         |           |   |   |   |   |   |   |   |   |   |   |      |
| No.                  | Sample Description             | Date                | Time                            | Matrix               | Pres.                   | # Bottles | A | B | C | D | E | F | G | H | I | J | Hold |

|    |            |          |      |          |     |   |   |   |   |  |  |  |  |  |  |  |  |  |
|----|------------|----------|------|----------|-----|---|---|---|---|--|--|--|--|--|--|--|--|--|
| 1  | MW-1R      | 11-15-19 | 1410 | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 2  | MW-2       | 11-15-19 | 1345 | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 3  | MW-3       | 11-15-19 | 1410 | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 4  | MW-4       | 11-15-19 | 1320 | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 5  | MW-5       | 11-15-19 | 1305 | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 6  | DUP        | 11-15-19 | —    | Groundwa | 1,8 | 4 | X | X |   |  |  |  |  |  |  |  |  |  |
| 7  | Trip Blank | —        | —    | Water    | 1,8 | 2 |   |   | X |  |  |  |  |  |  |  |  |  |
| 8  |            |          |      |          |     |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 9  |            |          |      |          |     |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 10 |            |          |      |          |     |   |   |   |   |  |  |  |  |  |  |  |  |  |

Sampler(s) Please Print &amp; Sign

Shipment Method

FedEx

Required Turnaround Time: (Check Box)

Other \_\_\_\_\_

STD 10 Wk Days     5 Wk Days     2 Wk Days     24 hour

Results Due Date:

Relinquished by:

Date: 11-19-19

Time: 8:53

Received by:

Notes: [GSHI PXP Elliot EM Federal TB]

Cooler ID: 43688     Cooler Temp: 4°C     QC Package: (Check One Box Below)

Relinquished by:

Date: Nov 20/19

Time: 8:53

Received by (Laboratory): PG

|   |  |
|---|--|
| <input checked="" type="checkbox"/> Level II Std QC | <input type="checkbox"/> RRP Checklist |
| <input type="checkbox"/> Level III Stc QC/Raw Data  | <input type="checkbox"/> RRP Level IV  |
| <input type="checkbox"/> Level IV SW/H3/CLP         |  |
| <input type="checkbox"/> Other                      |  |

Logged by (Laboratory):

Date: 11-19-19

Time: 8:53

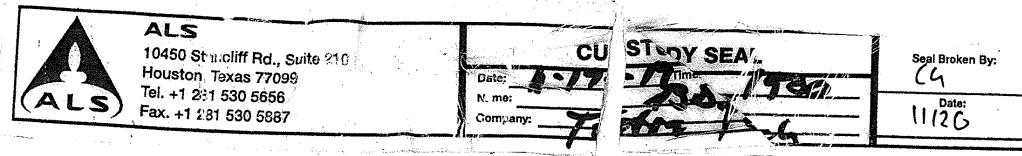
Checked by (Laboratory): INU

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.  
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.  
 3. The Chain of Custody is a legal document. All information must be completed accurately.

C/F-0

Copyright 2011 by ALS Environmental.



RETURNS MON-SAT  
PRIORITY OVERNIGHT

TRK#  
0221 1251 0291 1703

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 8280

**CONDITIONS**

|  |   |
|--|---|
| Operator:<br><br>OXY USA INC<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br><br>16696                                       |
|  | Action Number:<br><br>8280                                |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| nvelez     | Accepted for the record. See app ID 16685 for most updated status. | 10/19/2022     |